



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

To,  
 Resident Engineer  
 EA Consulting Pvt Ltd  
 Life Style Residency Apartment - Bedian Road

Reference # CED/TFL **36224** (Dr. Ali Ahmed)  
 Reference of the request letter # EA/FGEHA/LHE/109

Dated: 16-02-2021  
 Dated: 12-03-2021

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

Date of Test 17-02-2021  
 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	4.254	10	1.262	1.27	1.250	42000	53200	72900	74040	92400	93800	1.50	18.8	
2	4.228	10	1.258	1.27	1.243	41200	53600	71500	73070	93100	95100	1.60	20.0	
3	4.234	10	1.259	1.27	1.245	41600	53000	72200	73670	92000	93900	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only three samples for tensile and two sample for bend test</b>														
Bend Test														
#10 Dia Bar Bend Test Through 180° is Satisfactory														

**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](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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To,  
M/S Al Fazal Engineering  
Lahore

Reference # CED/TFL **36230** (Dr. Qasim Khan)  
Reference of the request letter # ALF-21-03-00481

Dated: 17-03-2021

Dated: 17-03-2021

**Tension Test Report** (Page – 1/1)

Date of Test 17-03-2021

Gauge length 2 inches

Description Steel Strip Tensile Test as per ASTM A36

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm <sup>2</sup> )	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	35x2.50	25.0x2.50	62.50	1950	2950	306.07	463.03	0.60	30.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
<b>Only One Sample for Tensile Test</b>										
<b>Bend Test</b>										

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**UET Lahore, Pakistan.**

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Ref: CED/TFL/03/36232  
Dated of Test: 17-03-2021

Dated: 17-03-2021

To,  
Project Manager  
AJK Engineers (Pvt) Ltd.  
Excavation Support System at Bholari

Subject: - CALIBRATION OF PRESSURE GAUGE (MARK: TFL/03/36232) (Page -1/1)

Reference to your Letter No. AJK/UET/2021/03/01, Dated: 17/03/2021 on the subject cited above. One Pressure Gauge as received by us has been calibrated. The results are tabulated as under:

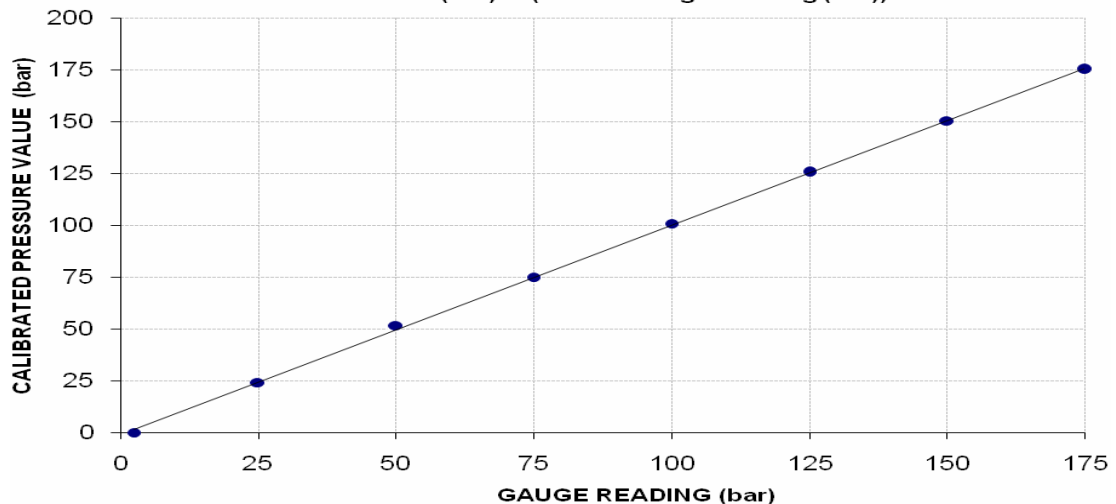
**Total Range : Zero - 200 (bar)**  
**Calibrated Range : Zero - 175 (bar)**

Pressure Gauge Reading (bar)	2.5	25	50	75	100	125	150	175
Calibrated Load (kg)	0	4850	10400	15150	20350	25350	30350	35350
Calibrated Pressure (bar)	0	24.02	51.51	75.04	100.79	125.56	150.32	175.09

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

**Calibration Curve for Pressure Gauge**

Calibrated Value (bar) = (1.010 x Gauge Reading (bar)) - 0.957



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To,  
 Construction Manager  
 Zameen Aurum  
 Construction of Zameen Aurum at Plot No. 15 Block, Gulberg-III, Main Feroze Pur Road,  
 Lahore

Reference # CED/TFL **36234** (Dr. Ali Ahmad)  
 Reference of the request letter # ZD/ZA/STR006

Dated: 17-03-2021  
 Dated: 17-03-2021

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

Date of Test 17-03-2021  
 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	4.230	10	1.258	1.27	1.243	33400	51600	58000	59210	89600	91500	1.60	20.0	
2	4.303	10	1.269	1.27	1.265	34000	51600	59100	59250	89600	90000	1.70	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile test</b>														
Bend Test														

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