



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

To,  
M/S Alif Holdings  
Lahore

Reference # CED/TFL **2692** (Dr. Umbreen us Sehar)  
Reference of the request letter # Nil

Dated: 26-01-2023  
Dated: 23-01-2023

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

Date of Test 31-01-2023  
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 <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	0.371	3	0.372	0.11	0.109	3400	4900	68200	68810	98200	99200	1.30	16.3	
2	0.384	3	0.379	0.11	0.113	3800	4400	76200	74230	88200	86000	0.30	3.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

Witness by Ali Asif

**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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Ref: CED/TFL/01/2693

Dated: 27-01-2023

Dated: 31-01-2023

To

**Sr. Manager Projects**  
**Izhar Construction (Pvt) Ltd**  
**Construction of Riphah Medical City Gulberg Greens Islamabad.**

Subject: - **CALIBRATION OF HYDRAULIC JACK (MARK: TFL/01/2693)** (Page -1/1)

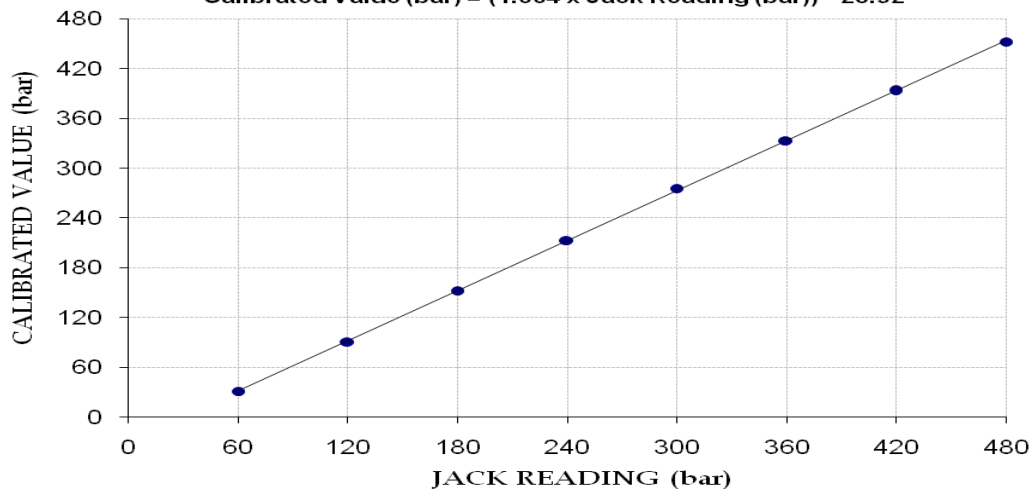
Reference to your Letter No. IZHAR/RIPHAH/025/2023, dated: 26/01/2023 on the subject cited above. One Hydraulic Jack (Jack No. YDC 100, Gauge No. EN 837-1) as received by us has been calibrated. The results are tabulated as under:

**Total Range : Zero - 1000 (bar)**  
**Calibrated Range : Zero - 480 (bar)**

Hydraulic Jack Reading (bar)	30	60	120	180	240	300	360	420	480
Calibrated Load (kg)	0	8600	25000	42000	58800	76200	92000	108700	125000
Calibrated Pressure (bar)	0	31	90	152	213	275	333	393	452

The Ram Area of Jack = 271.26 cm<sup>2</sup>

**Calibration Curve For Jack No. YDC 100**  
**Calibrated Value (bar) = (1.004 x Jack Reading (bar)) - 28.92**



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

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To,

Executive Director  
 Master Consulting Engineers (Pvt) Ltd  
 Consultancy Services Shifting of Boundary Wall & Main Gate at Bhikki Power Plant.

Reference # CED/TFL **2699** (Dr. M Kashif)  
 Reference of the request letter # MCE/23/023

Dated: 27-01-2023  
 Dated: 25-01-2023

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

Date of Test 31-01-2023  
 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 <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	0.373	3	0.374	0.11	0.110	3400	4900	68200	68270	98200	98400	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample 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.**

Note:

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To,

M/S Paidar Builders (Pvt) Ltd  
 Lahore  
 (Construction of TCF Secondary School Unit- 1 Padhana, Lahore)

Reference # CED/TFL **2701** (Dr. M Rizwan Riaz)  
 Reference of the request letter # PBL/UET/2023-464

Dated: 30-01-2023  
 Dated: 16-01-2023

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

Date of Test 31-01-2023  
 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 <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	0.389	3	0.382	0.11	0.114	3800	5100	76200	73250	102200	98400	1.30	16.3	Ittefaq Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile test</b>														
Bend Test														

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

Note:

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- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



**STRUCTURAL ENGINEERING DIVISION**  
**Test Floor Laboratory**  
**Department of Civil Engineering**  
**University of Engineering and Technology Lahore, 54890**  
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To,

Resident Engineer  
 NESPAK

Construction / Reconstruction of Road from Mohal Colony to Jauharabad Sugar Mills via  
 Awan Town Jauharabad Length 1.50 km in District Khushab.

Reference # CED/TFL **2702** (Dr. M Kashif)  
 Reference of the request letter # 4376/SMH/23/3142

Dated: 30-01-2023  
 Dated: 20-01-2023

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

Date of Test 01-02-2023  
 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 <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	0.369	3	0.372	0.11	0.108	3800	5100	76200	77230	102200	103700	1.10	13.8	Supreme Steel
2	0.372	3	0.373	0.11	0.109	3800	5100	76200	76670	102200	102900	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 Laboratoires**  
**UET Lahore, Pakistan.**

Note:

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

Senior Project Manager  
 Shifa Development Services Pvt Ltd  
 Under Construction Site of Shifa National Hospital  
 Opposite Al-Qadir Garden, Lahore Sheikhpura Road, Faisalabad

Reference # CED/TFL **2703** (Dr. M Rizwan Riaz)  
 Reference of the request letter # SNHF/SDS/ST/14

Dated: 30-01-2023  
 Dated: 30-01-2023

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

Date of Test 31-01-2023  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in <sup>2</sup> )		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	0.406	3/8	0.390	0.11	0.119	3300	5400	66200	61010	108200	99900	1.20	15.0	SGI
2	0.400	3/8	0.387	0.11	0.118	3300	5300	66200	61830	106200	99300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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

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To,  
Samran Shaukat  
Kasur

Reference # CED/TFL **2704** (Dr. M Kashif)  
Reference of the request letter # Nil

Dated: 30-01-2023  
Dated: 30-01-2023

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

Date of Test 31-01-2023  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile 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	0.376	3	0.375	0.11	0.110	3000	4700	60200	59860	94200	93800	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile test</b>														
Bend Test														

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

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To,  
M/S A K Smelters & Re-Roller Pvt Limited  
Gujranwala

Reference # CED/TFL **2705** (Dr. M Rizwan Riaz)  
Reference of the request letter # Nil

Dated: 30-01-2023

Dated: 30-01-2023

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

Date of Test 31-01-2023  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend 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	0.374	3	0.374	0.11	0.110	2700	4200	54100	54110	84200	84200	1.70	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one 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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**Pakistan. Ph: 92-42-99029202**

Ref: CED/TFL/01/2705

Dated: 30-01-2023

Dated of Test: 31-01-2023

To

**M/S Takbeer Villas**  
**Takbeer Tower, Mcload Road,**  
**Near Lashmi Chowk, Lahore**

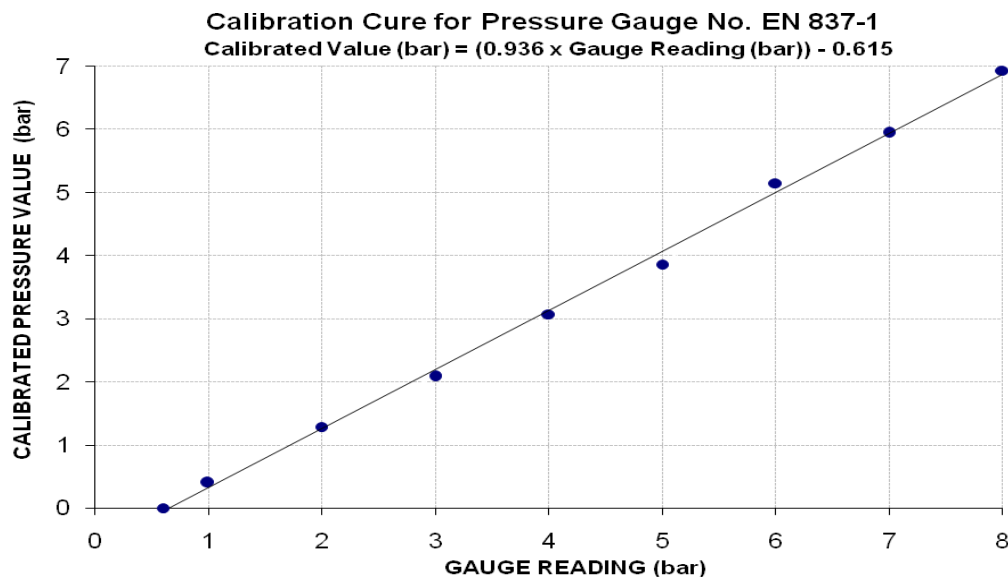
Subject: - **CALIBRATION OF PRESSURE GAUGE (MARK: TFL/01/2705)** (Page # 1/1)

Reference to your Letter No. Nil, Dated: 30/01/2023 on the subject cited above. One Pressure Gauge No. EN 837-1 as received by us has been calibrated. The results are tabulated as under:

**Total Range : Zero - 10 (bar)**  
**Calibrated Range : Zero - 8 (bar)**

Pressure Gauge Reading (bar)	0.60	1	2	3	4	5	6	7	8
Calibrated Load (kg)	0	80	260	420	620	780	1040	1200	1400
Calibrated Pressure (bar)	0	0.40	1.29	2.08	3.07	3.86	5.15	5.94	6.93

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



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

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