



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

To,
 Project Manager
 MEK Multistory Offices,
 P-156 Gulberg II, Lahore

Reference # CED/TFL **35113** (Dr. Safer Abbas)
 Reference of the request letter # P-156-121

Dated: 13-07-2020
 Dated: 10-07-2020

Tension Test Report (Page -1/1)

Date of Test 14-07-2020
 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	0.437	3	0.404	0.11	0.128	4000	5400	80200	68620	108200	92700	1.10	13.8	Mughal Steel
2	0.395	3	0.385	0.11	0.116	3200	4700	64200	60740	94200	89300	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 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/07/35115

Dated: 13-07-2020

Dated: 14-07-2020

To,
M/S Baba Mughal Hussain Drilling Co.
Lahore

Subject: - **CALIBRATION OF HYDRAULIC JACK (MARK: TFL/07/35115)** (Page -1/1)

Reference to your Letter No. 0091, Dated: 13/07/2020 on the subject cited above. One Hydraulic Jack (Jack No YDC-100, Gauge No. YDC-100) as received by us has been calibrated. The results are tabulated as under:

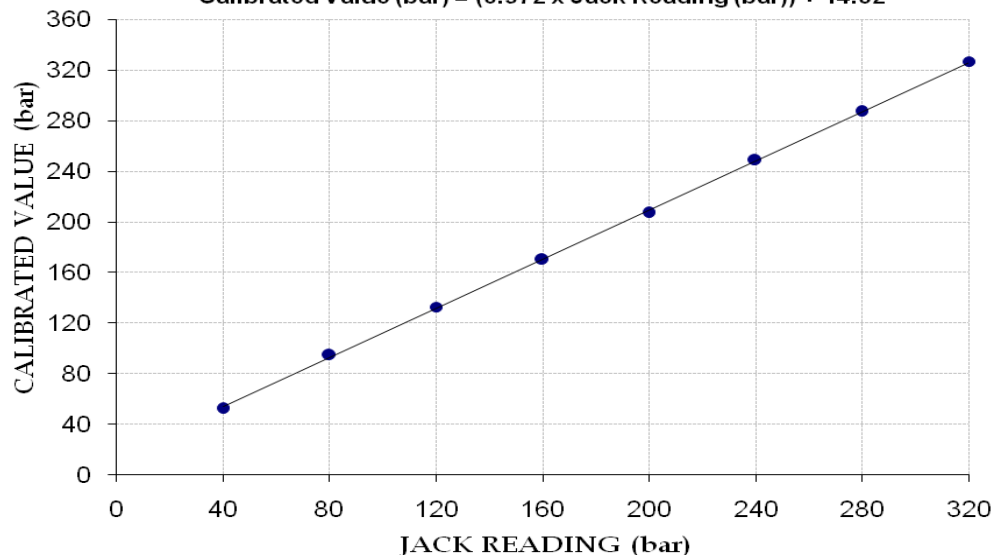
Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 320 (bar)

Hydraulic Jack Reading (bar)	40	80	120	160	200	240	280	320
Calibrated Load (k g)	14400	26100	36700	47000	57200	68700	79400	90300
Calibrated Pressure (bar)	52	94	133	170	207	248	287	326

The Ram Area of Jack = 271.26 cm^2

Calibration Curve For Jack No. YDC-100

Calibrated Value (bar) = $(0.972 \times \text{Jack Reading (bar)}) + 14.62$



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To,
M/S Defence Housing Authority.
Lahore Cantt
(Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI (M/s Construct))

Reference # CED/TFL **35116** (Dr. Safer Abbas)
Reference of the request letter # 408/241/E/Lab/942/5474

Dated: 13-07-2020
Dated: 10-07-2020

Tension Test Report (Page -1/1)

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		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.373	3	0.374	0.11	0.110	3400	4700	68200	68270	94200	94400	1.30	16.3	Kamran Steel
2	0.375	3	0.375	0.11	0.110	3500	4800	70200	70030	96200	96100	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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