



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

To,
 Assistant Engineer
 B&W Department, U.E.T Lahore
 (Extension of Admin Block UET Lahore)

Reference # CED/TFL **32717** (Dr. Rizwan Azam)
 Reference of the request letter # B&W/AEN/768

Dated: 27-02-2019
 Dated: 25-02-2019

Tension Test Report (Page -1/1)

Date of Test 27k-02-2019
 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	0.371	3	0.373	0.11	0.109	3700	5000	74200	74760	100200	101100	1.20	15.0	
2	0.374	3	0.374	0.11	0.110	3800	5000	76200	76200	100200	100300	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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/02/32724

Dated: 27-02-19

To,
Chairman
Department of Civil Engineer
University of Engineering & Technology, Taxila

Subject: - CALIBRATION OF LOAD CELL (MARK: TFL/02/32724) (Page – 1/2)

Reference to your Letter No. CED/Stc/2019/07, Dated: 22/02/2019 on the subject cited above. One Load Cell Capacity: 3000 kN as received by us has been calibrated. The results are tabulated as under:

Load Cell Reading	Calibrated Laod (kg)
50	23200
100	35800
150	47600
200	59200
250	70800
300	83000
350	94200
400	106200
450	118000
500	130000
550	141200
600	152800
650	164800
700	176800
750	188400

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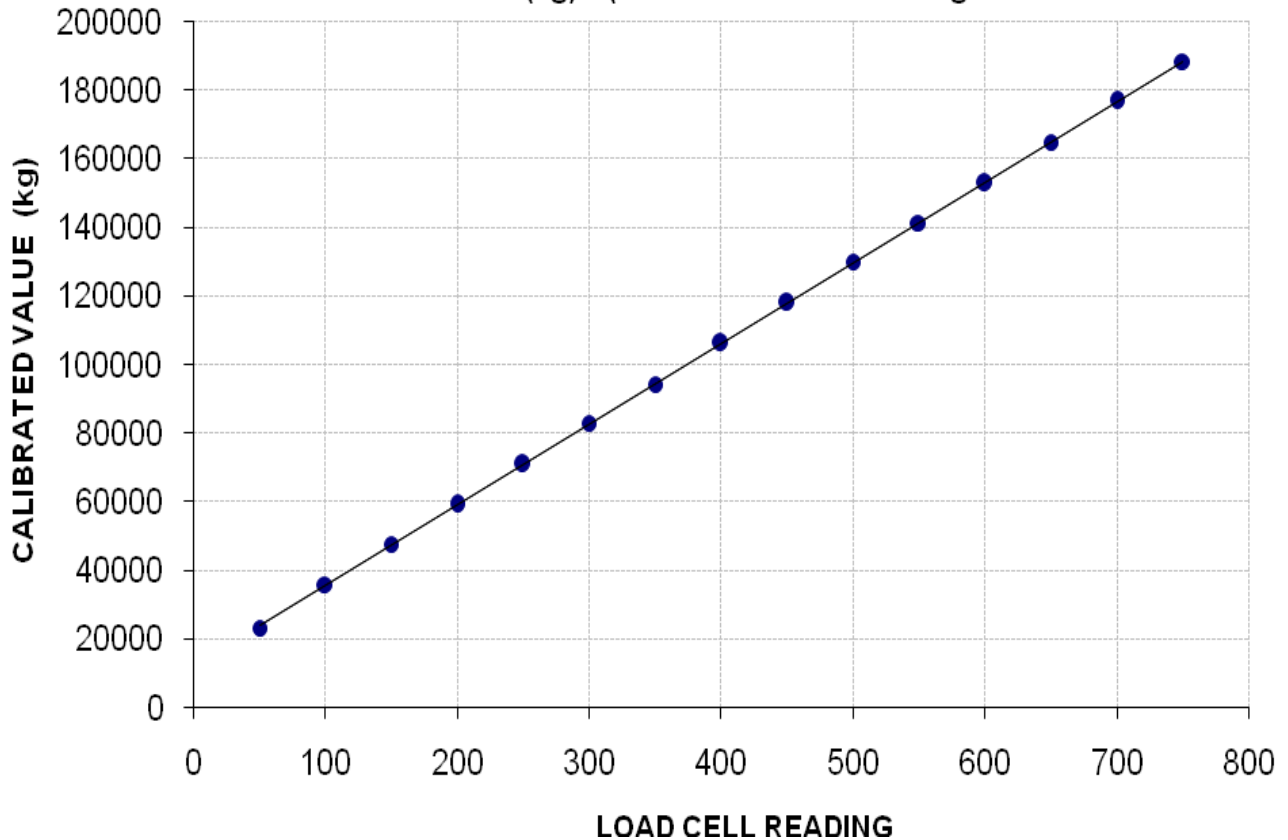
Dated: 27-02-19

To,
Chairman
Department of Civil Engineer
University of Engineering & Technology, Taxila

Subject: - CALIBRATION OF LOAD CELL (MARK: TFL/02/32724) (Page – 2/2)

Calibration Curve For Load Cell

$$\text{Calibrated Value (kg)} = (235.1 \times \text{Load Cell Readings} + 12082)$$



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