STRUCTURAL ENGINEERING DIVISION

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

To,
Project Officer
Qadirabad Garrison
Construction of 2 x Blocks (PRE SEC & JNR SEC) at Qadirabad Garrison

Reference # CED/TFL **2110** (Dr. Asad Ali) Dated: 12-10-2022
Reference of the request letter # APS/QBD/01 Dated: 11-10-2022

Tension Test Report (Page -1/2)

Date of Test 14-10-2022
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.373	9.5	9.49	0.110	0.110	3840	4790	77000	77180	96000	96300	1.00	12.5	
2	0.383	9.5	9.61	0.110	0.113	3540	4710	71000	69350	94400	92300	1.40	17.5	
3	0.372	9.5	9.47	0.110	0.109	4250	4910	85200	85760	98400	99100	1.00	12.5	
4	0.372	9.5	9.48	0.110	0.109	4200	4860	84200	84640	97400	98000	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
9.5mm Dia Bar Bend Test Through 180º is Satisfactory														
9.5mm Dia Bar Bend Test Through 180º 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/10/2123 **Dated: 13-10-2022**
Dated of Test: 14-10-2022

To,

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

Subject: **- CALIBRATION OF LOAD CELL (MARK: TFL/10/2123)** (Page – 1/2)

Reference to your Letter No. UET/CED/T-6, Dated: 12/10/2022 on the subject cited above. One Load Cell Make: ELE International Ltd., Serial No. 1052-9-6080, Capacity: 3000 kN as received by us has been calibrated. The results are tabulated as under:

Load Cell Reading	Calibrated Laod (kg)
50	12000
100	24400
150	35400
200	47400
250	59200
300	71000
350	82000
400	94000
450	105200
500	117200
550	129200
600	142600
650	155200
700	166000
750	176600

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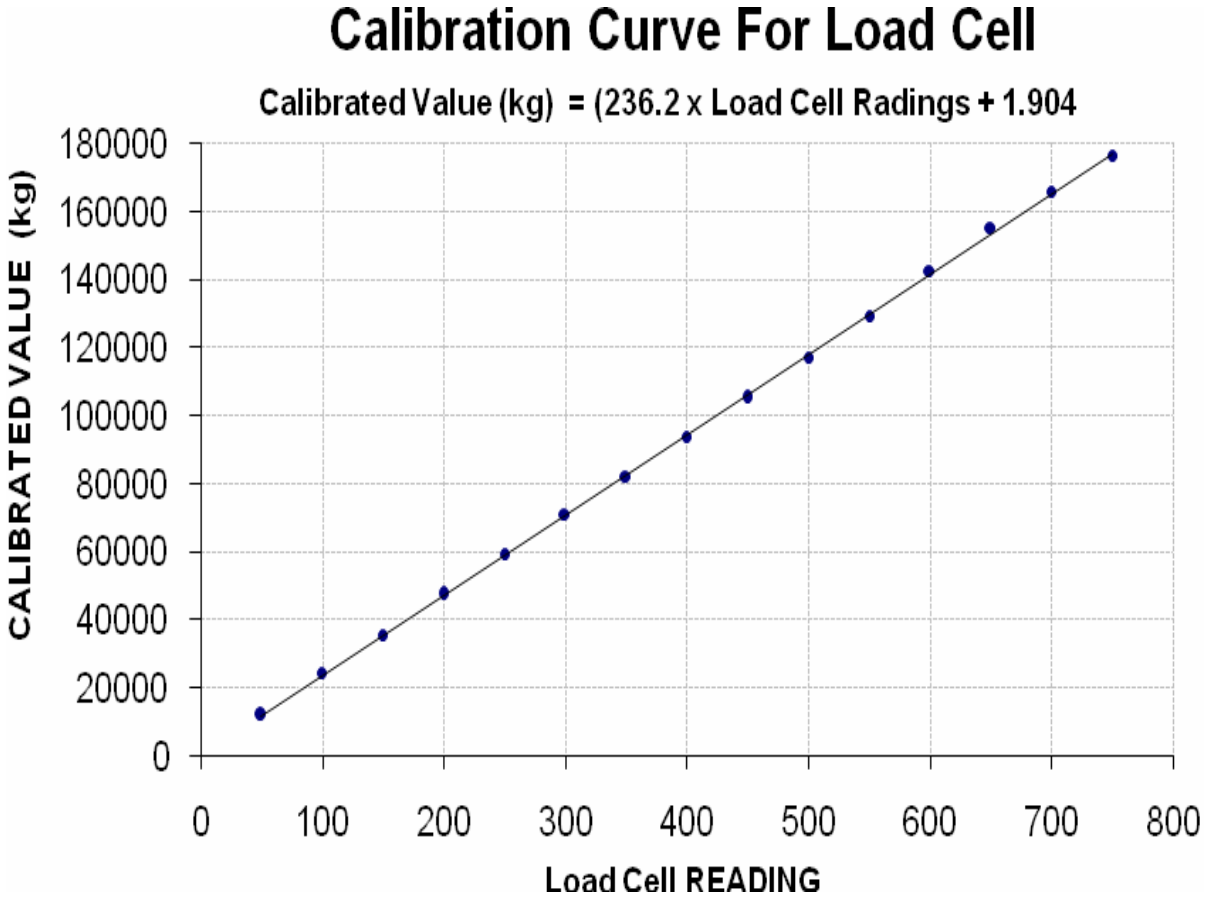
University of Engineering & Technology, Taxila

Subject: **- CALIBRATION OF LOAD CELL (MARK: TFL/10/2123)** (Page – 2/2)



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