



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

Ref: CED/TFL/06/1514, 1541  
Dated of Test: 13-06-2022

Dated: 07-06-2022

To  
M/S Baig Construction Co.  
Lahore  
(Construction of Jinnah Squair Mall Raiwind Road, Lahore)

Subject:- CALIBRATION OF COMPRESSION TESTING MACHINE  
(MARK: CED/TFL/06/1514) (Page -1/2)

Reference to your letter No. CBT/UET/01, dated: 06/06/2022 on the subject cited above. One Concrete Compression Testing Machine has been calibrated by using standard calibration device. The results are tabulated as under:

Total Range : Zero - 150000 (kg)  
Calibrated Range : Zero - 140000 (kg)

Machine Reading (kg)	Corrected Load Value (kg)	Machine Reading (kg)	Corrected Load Value (kg)
10000	10727	80000	85270
20000	21453	90000	95831
30000	31944	100000	106615
40000	42620	110000	116803
50000	53408	120000	127394
60000	63959	130000	138184
70000	74710	140000	148348

Ref: CED/TFL/06/1514, 1541

Dated: 07-06-2022  
**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



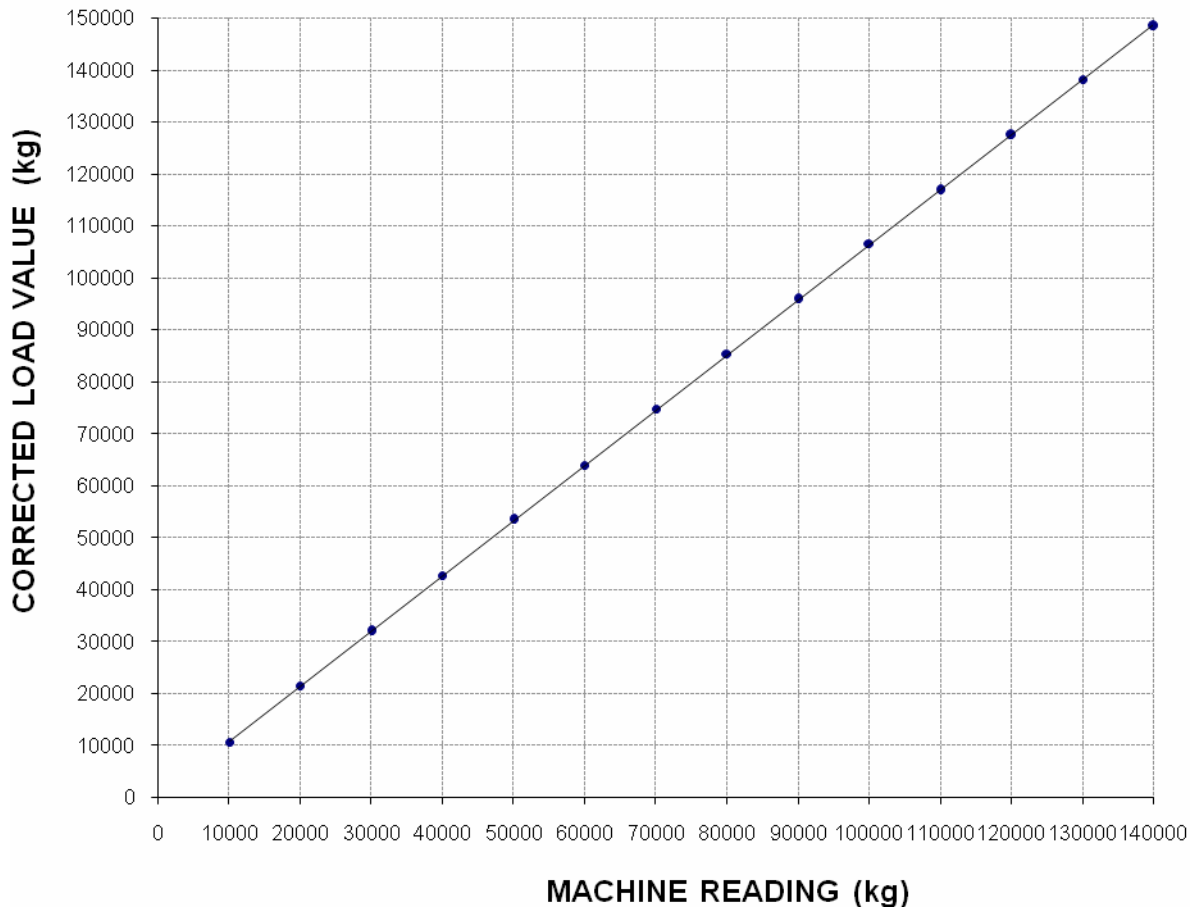
**STRUCTURAL ENGINEERING DIVISION**  
**Test Floor Laboratory**  
**Department of Civil Engineering**  
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Dated of Test: 13-06-2022

To  
**M/S Baig Construction Co.**  
**Lahore**  
**(Construction of Jinnah Squair Mall Raiwind Road, Lahore)**

Subject:- **CALIBRATION OF COMPRESSION TESTING MACHINE**  
**(MARK: CED/TFL/06/1514) (Page -1/2)**

**CONCRETE COMPRESSIVE TESTING MACHINE (150000 kg)**  
**Calibrated Value (kg) = (1.060 x Machine Readings (kg)) + 293.9**



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

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Ref: CED/TFL/06/1529

Dated: 09-06-2022

Dated of Test: 13-06-2022

To

**Sub Divisional Officer**  
**Hughway Sub Division**  
**Chakwal**

(Construction of High Level Bridge over Sowan River at Hasal, Length = 1620 Rft I/C Approaches, District Chakwal & District Attock (M/S StrongForce Private Limited))

**Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/1529) (Page -1/2)**

Reference to your Letter No. 301/Ckl (L22/06-11491), dated: 09/06/2022 on the subject cited above. One Hydraulic Jack (Jack No. 407, Gauge No. SF-407) as received by us has been calibrated. The results are tabulated as under:

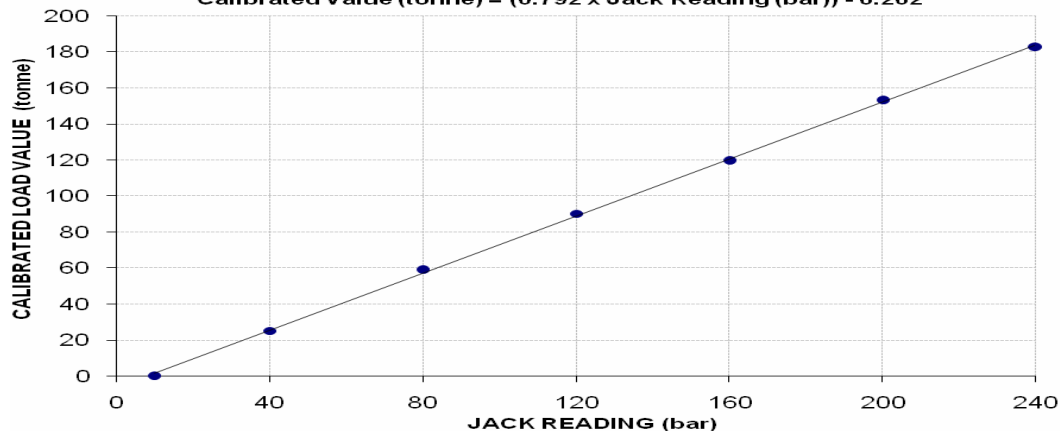
**Total Range : Zero - 1000 (bar)**  
**Calibrated Range : Zero - 240 (bar)**

Hydraulic Jack Reading (bar)	10	40	80	120	160	200	240	
Calibrated Load	(kg)	0	25200	59000	90200	119600	153000	182600
	(Tonne)	0	25.20	59.00	90.20	119.60	153.00	182.60
Calibrated Pressure (bar)	0	33.65	78.79	120.46	159.72	204.33	243.86	

(1 Tonne = 1000 kg) The Ram Area of Jack = 734.35 cm<sup>2</sup>

**Calibration Curve For Jack No. 407**

Calibrated Value (tonne) = (0.792 x Jack Reading (bar)) - 6.262



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

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Dated: 09-06-2022

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To

**Sub Divisional Officer**  
**Hughway Sub Division**  
**Chakwal**

(Construction of High Level Bridge over Sowan River at Hasal, Length = 1620 Rft I/C Approaches, District Chakwal & District Attock (M/S StrongForce Private Limited))

Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/1529) (Page -2/2)

Reference to your Letter No. 301/Ckl (L22/06-11491), dated: 09/06/2022 on the subject cited above. One Hydraulic Jack (Jack No. 408, Gauge No. SF-408) as received by us has been calibrated. The results are tabulated as under:

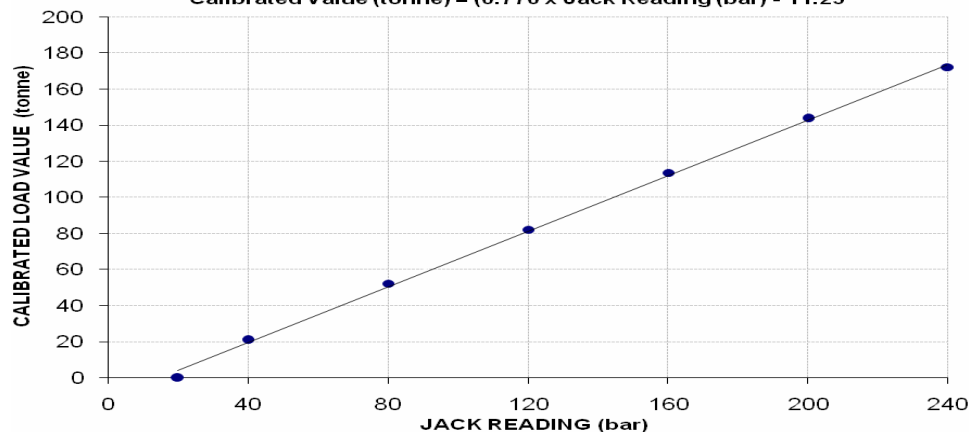
**Total Range : Zero - 1000 (bar)**  
**Calibrated Range : Zero - 260 (bar)**

Hydraulic Jack Reading (bar)	20	40	80	120	160	200	240	260	
Calibrated Load	(kg)	0	21000	52400	82200	113600	143800	172200	187800
	(Tonne)	0	21.00	52.40	82.20	113.60	143.80	172.20	187.80
Calibrated Pressure (bar)	0	28.06	70.01	109.83	151.79	192.14	230.08	250.93	

(1 Tonne = 1000 kg) The Ram Area of Jack = 733.975 cm<sup>2</sup>

**Calibration Curve For Jack No. 408**

Calibrated Value (tonne) = (0.770 x Jack Reading (bar) - 11.25)



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**UET Lahore, Pakistan.**

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