



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/05/34891

Dated: 11-05-2020

Dated: 13-05-2020

To,
Site Representative (CMC-GRC Jv)
Gorkin Matiltan Hydropower Project

Subject: - **CALIBRATION OF HYDRAULIC JACK (MARK: TFL/05/34891)** (Page -1/2)

Reference to your Letter No. GMHP/GRC/0272, Dated: 05/05/2020 on the subject cited above. One Hydraulic Jack (Jack No KY-401, Gauge No. GY-100) as received by us has been calibrated. The results are tabulated as under:

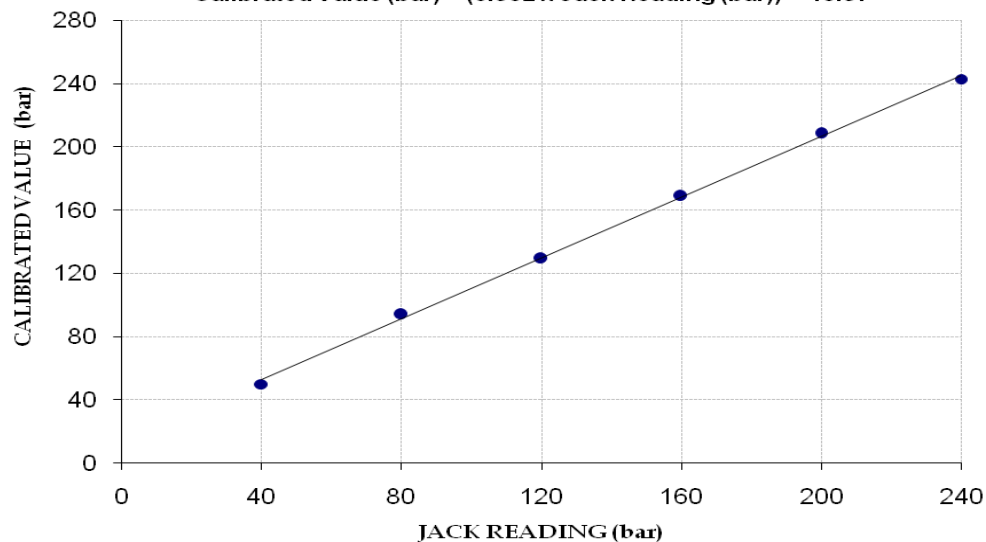
Total Range : Zero - 700 (bar)
Calibrated Range : Zero - 240 (bar)

Hydraulic Jack Reading (bar)	40	80	120	160	200	240
Calibrated Load (k g)	40200	75800	104200	136200	168200	196000
Calibrated Pressure (bar)	49.80	93.90	129.08	168.72	208.36	242.80

The Ram Area of Jack = 791.68 cm²

Calibration Curve For Jack No. KY-401

Calibrated Value (bar) = (0.962 x Jack Reading (bar)) + 13.97



I/C Testing Laboratories
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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To,
Site Representative (CMC-GRC Jv)
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Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/05/34891) (Page -2/2)

Reference to your Letter No. GMHP/GRC/0272, Dated: 05/05/2020 on the subject cited above. One Hydraulic Jack (Jack No KY-402, Gauge No. GY-101) as received by us has been calibrated. The results are tabulated as under:

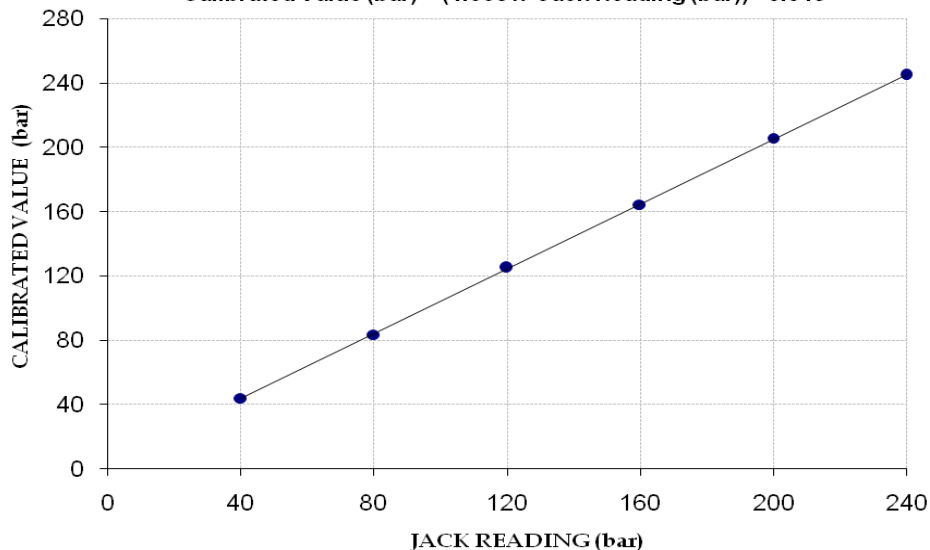
Total Range : Zero - 700 (bar)
Calibrated Range : Zero - 240 (bar)

Hydraulic Jack Reading (bar)	40	80	120	160	200	240
Calibrated Load (k g)	35400	67200	100800	132600	166000	197600
Calibrated Pressure (bar)	43.85	83.24	124.87	164.26	205.63	244.78

The Ram Area of Jack = 791.68 cm²

Calibration Curve For Jack No. KY-402

Calibrated Value (bar) = (1.008 x Jack Reading (bar)) + 3.319



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