



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/08/35191

Dated: 06-08-2020

Dated of Test: 07-08-2020

To,
Resident Engineer
NESPAK - Zeeruk (Jv)
CPEC (Western Route), Package-II
Isakhel

Subject: - **CALIBRATION OF HYDRAULIC JACK (MARK: TFL/08/35191)** (Page -1/2)

Reference to your Letter No. RE/NESPAK/P-2C/CPEC-WR/532, Dated: 23/07/2020 on the subject cited above. One Hydraulic Jack (Jack No. AES 313, Gauge No. AES-313) as received by us has been calibrated. The results are tabulated as under:

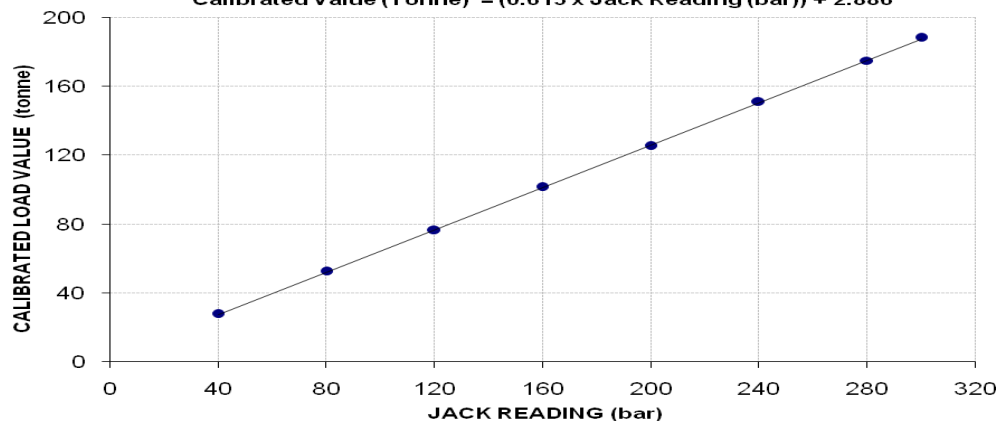
Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 300 (bar)

Hydraulic Jack Reading (bar)	40	80	120	160	200	240	280	300	
Calibrated Load	(kg)	27800	52400	76400	101400	125400	151000	175000	188200
	Tonne	27.80	52.40	76.40	101.40	125.40	151.00	175.00	188.20
Calibrated Pressure (bar)	45	85	124	165	204	246	285	307	

1 Tonne = 1000 kg, The Ram Area of Jack = 602.09 cm²

Calibration Curve For Jack No. AES 313

Calibrated Value (Tonne) = (0.615 × Jack Reading (bar)) + 2.886



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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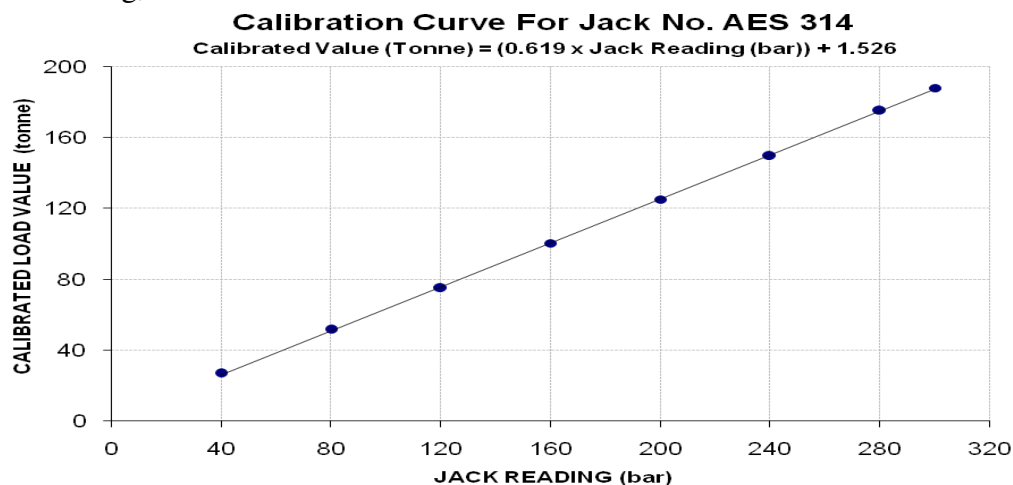
Subject: - **CALIBRATION OF HYDRAULIC JACK (MARK: TFL/08/35191)** (Page -2/2)

Reference to your Letter No. RE/NESPAK/P-2C/CPEC-WR/532, Dated: 23/07/2020 on the subject cited above. One Hydraulic Jack (Jack No. AES 314, Gauge No. AES-314) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 300 (bar)

Hydraulic Jack Reading (bar)	40	80	120	160	200	240	280	300	
Calibrated Load	(kg)	26800	51600	75000	100400	125000	149600	175200	188000
	Tonne	26.80	51.60	75.00	100.40	125.00	149.60	175.20	188.00
Calibrated Pressure (bar)	44	84	122	164	204	244	285	306	

1 Tonne = 1000 kg, The Ram Area of Jack = 602.09 cm²



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