



**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/07/5437

Dated: 31-07-2024

Dated of Test: 07-08-2024

To

**Assistant Director (QCD)**  
**WASA, LDA, Lahore**  
**(M/s Shezone Pipe Industry.)**

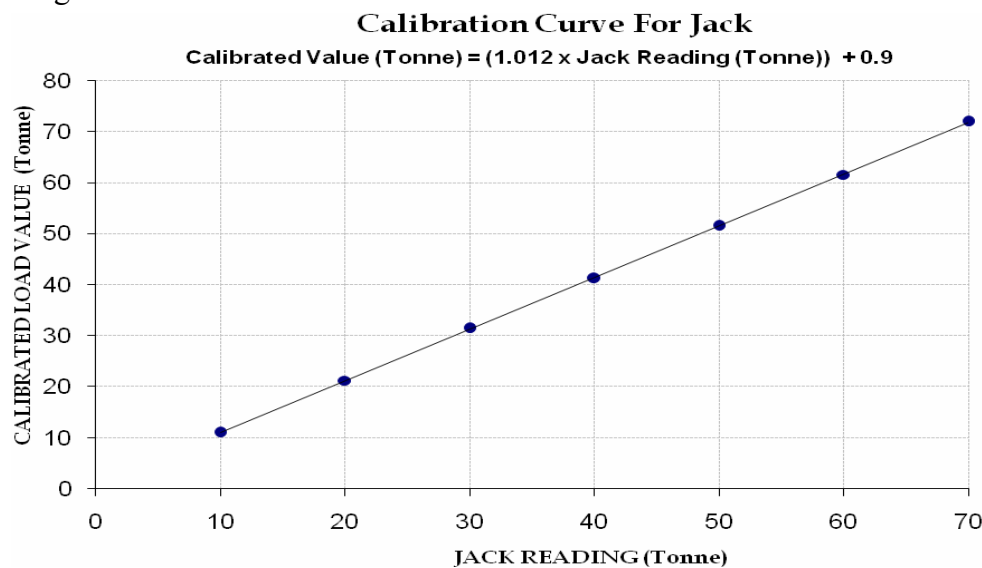
**Subject: - CALIBRATION OF HYDRAULIC JACK WITH GAUGE**  
**(MARK: TFL/07/5437)**

Reference to your Letter No. QCD/1177-78, Dated: 22/07/2024 on the subject cited above. One Hydraulic Jack with Gauge as received by us has been calibrated. The results are tabulated as under:

**Total Range : Zero - 100 (Tonne)**  
**Calibrated Range : Zero - 70 (Tonne)**

Hydraulic Jack Reading (Tonne)		10	20	30	40	50	60	70
Calibrated Load	(kg)	11000	21200	31400	41200	51500	61500	71900
	(Tonne)	11.00	21.20	31.40	41.20	51.50	61.50	71.90

1000 kg = 1 Tonne



**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



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Ref: CED/TFL/08/5559

Dated: 05-08-2024

Dated of Test: 07-08-2024

To

**Chair,**  
**Civil Engineering Deptt.**  
**City Campus, Lahore Leads University**  
**“Final Year Design Project (FYDP) at Lahore Leads University.”**

**Subject: TESTING OF GEOPOLEMER PIPE**

Reference to your letter No. Nil, dated 03.07.2024 on the subject cited above. One Geopolymer Pipe as received by us has been tested. The results are tabulated as under.

<b>Sr. No.</b>	<b>Nominal Size</b>	<b>Total Length</b>	<b>Loaded Length</b>	<b>External Diameter</b>	<b>Internal Diameter</b>	<b>Wall Thickness</b>	<b>Proof load</b>	<b>Ultimate Load</b>	<b>Proof Stress</b>	<b>Ultimate Stress</b>
	<b>(inch)</b>	<b>(foot)</b>	<b>(foot)</b>	<b>(inch)</b>	<b>(inch)</b>	<b>(inch)</b>	<b>(kg)</b>	<b>(kg)</b>	<b>Pound/Linear foot/foot</b>	<b>Pound/Linear foot/foot</b>
<b>1</b>	<b>24</b>	<b>7.76</b>	<b>7.15</b>	<b>29.76</b>	<b>23.77</b>	<b>2.99</b>	<b>2010</b>	<b>7340</b>	<b>313</b>	<b>1142</b>

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

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