



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/02/4673

Dated: 20-02-2024

Dated: 28-02-2024

To

M/S AF Steel Re Rolling Mills
Lahore

Subject:- **CALIBRATION OF UNIVERSAL TESTING MACHINE OF 500 kN**
(MARK: CED/TFL/02/4673) (Page – 1/2)

Reference to your letter No. Nil, dated: 20/02/2024 on the subject cited above. One Universal Testing Machine has been calibrated by using standard calibration device. The results are tabulated as under:

Total Range : Zero - 500 (kN)

Calibrated Range : Zero - 475 (kN)

Machine Reading (kN)	Corrected Load Value (kN)
25	21
50	45
75	69
100	92
125	117
150	142
175	166
200	190
225	214
250	239

Machine Reading (kN)	Corrected Load Value (kN)
275	264
300	288
325	315
350	338
375	361
400	388
425	415
450	442
475	467

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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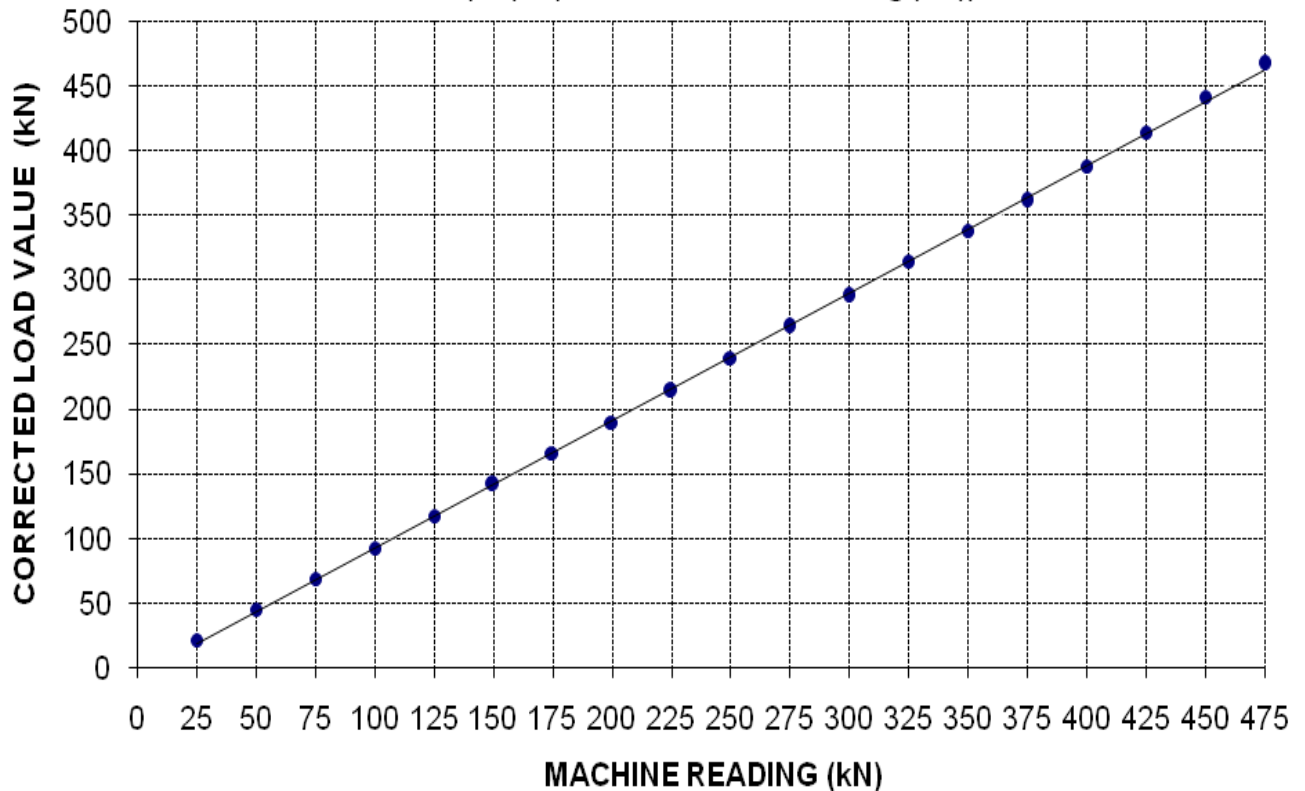
To

M/S AF Steel Re Rolling Mills
Lahore

Subject:- **CALIBRATION OF UNIVERSAL TESTING MACHINE OF 500 kN**
(MARK: CED/TFL/02/4673) (Page – 2/2)

CALIBRATION CURVE FOR UNIVERSAL TESTING MACHINE

$$\text{Calibrated Value (kN)} = (0.988 \times \text{Machine Reading (kN)}) - 6.319$$



I/C Testing Laboratories
UET Lahore, Pakistan.

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Ref: CED/TFL/02/4707

Dated: 28-02-2024

Dated of Test: 28-02-2024

To

Resident Engineer
NESPAK
Punjab Rural Municipal Services Company
Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP)
Darya Khan (Package-01)

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 - 08a] (Page # 1/3)**

Reference to your letter No. 4608/PRSWSSP/RE/DYK/125, dated 27.02.2024 on the subject cited above. One R.C.C. Pipe No. 00216 as received by us have been tested. The results are tabulated as under.

Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(inch)	(inch)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	12	7.77	7.35	16.14	12.09	2.03	9900	16200	2948	4824

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Ref: CED/TFL/02/4707

Dated: 28-02-2024

Dated of Test: 28-02-2024

To

Resident Engineer
NESPAK
Punjab Rural Municipal Services Company
Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP)
Darya Khan (Package-01)

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 - 08a] (Page # 2/3)**

Reference to your letter No. 4608/PRSWSSP/RE/DYK/126, dated 27.02.2024 on the subject cited above. One R.C.C. Pipe No. 00053 as received by us have been tested. The results are tabulated as under.

Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(inch)	(inch)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	12	7.77	7.36	16.02	11.86	2.08	11500	14400	3485	4364

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To

Resident Engineer
NESPAK
Punjab Rural Municipal Services Company
Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP)
Darya Khan (Package-01)

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 - 08a] (Page # 3/3)**

Reference to your letter No. 4608/PRSWSSP/RE/DYK/127, dated 27.02.2024 on the subject cited above. One R.C.C. Pipe No. 00347 as received by us have been tested. The results are tabulated as under.

Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(inch)	(inch)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	12	7.78	7.36	16.14	12.09	2.02	11000	16700	3272	4967

I/C Testing Laboratoires
UET Lahore, Pakistan.

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