



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/04/34872

Dated: 28-04-2020

Dated of Test: 30-04-2020

To

M/S Ibrahim Nizami Steel Wire Ind. (Pvt) Lytd
16/17 km, Sheikhpura Road, Missan Sua, Lahore

Subject:- CALIBRATION OF UNIVERSAL TESTING MACHINE OF 10000 kg
(Scale 0-10000 kg)(MARK: CED/TFL/04/34872) (Page # 1/3)

Reference to your letter No. INSW/UET//2020/5804, dated: 27/04/2020 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 - 10000 (kg)

Machine Reading (kg)	Corrected Load Value (kg)
510	436
1019	906
1529	1308
2039	1608
2548	2078
3058	2446
3568	2712
4077	3216
4587	3584
5097	3952

Machine Reading (kg)	Corrected Load Value (kg)
5607	4320
6116	4722
6626	5090
7136	5458
7645	5894
8155	6262
8665	6563
9174	6999
9684	7401
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I/C Testing Laboratories
UET Lahore, Pakistan.

Note:

- 1- You can See your reports On Internet in the following web site
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2. The above results pertain to sample /samples supplied to this laboratory.
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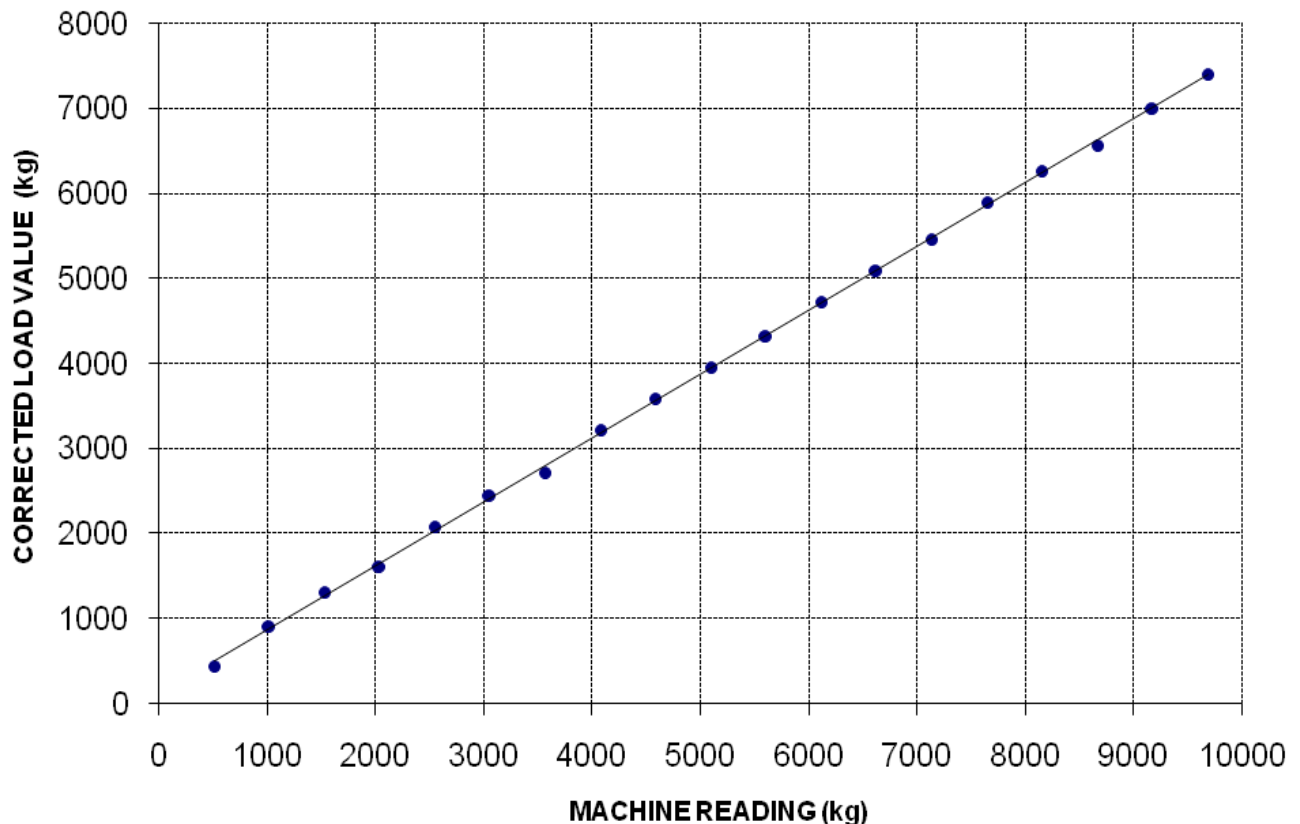
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CALIBRATION CURVE FOR UNIVERSAL TESTING MACHINE (0 - 10000 kg)

$$\text{Calibrated Value (kg)} = (0.750 \times \text{Machine Reading (kg)}) + 117.9$$



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Subject:- CALIBRATION OF UNIVERSAL TESTING MACHINE OF 10000 kg
(Scale 0-5000 kg)(MARK: CED/TFL/04/34872) (Page # 2/3)

Reference to your letter No. INSW/UET//2020/5804, dated: 27/04/2020 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 - 5000 (kg)

Machine Reading (kg)	Corrected Load Value (kg)	Machine Reading (kg)	Corrected Load Value (kg)
255	252	2803	2211
510	453	3058	2463
765	756	3313	2613
1019	957	3568	2814
1274	1158	3823	3015
1529	1359	4077	3216
1784	1509	4332	3417
2039	1710	4587	3669
2294	1962	4842	3870
2548	2112	-----	-----

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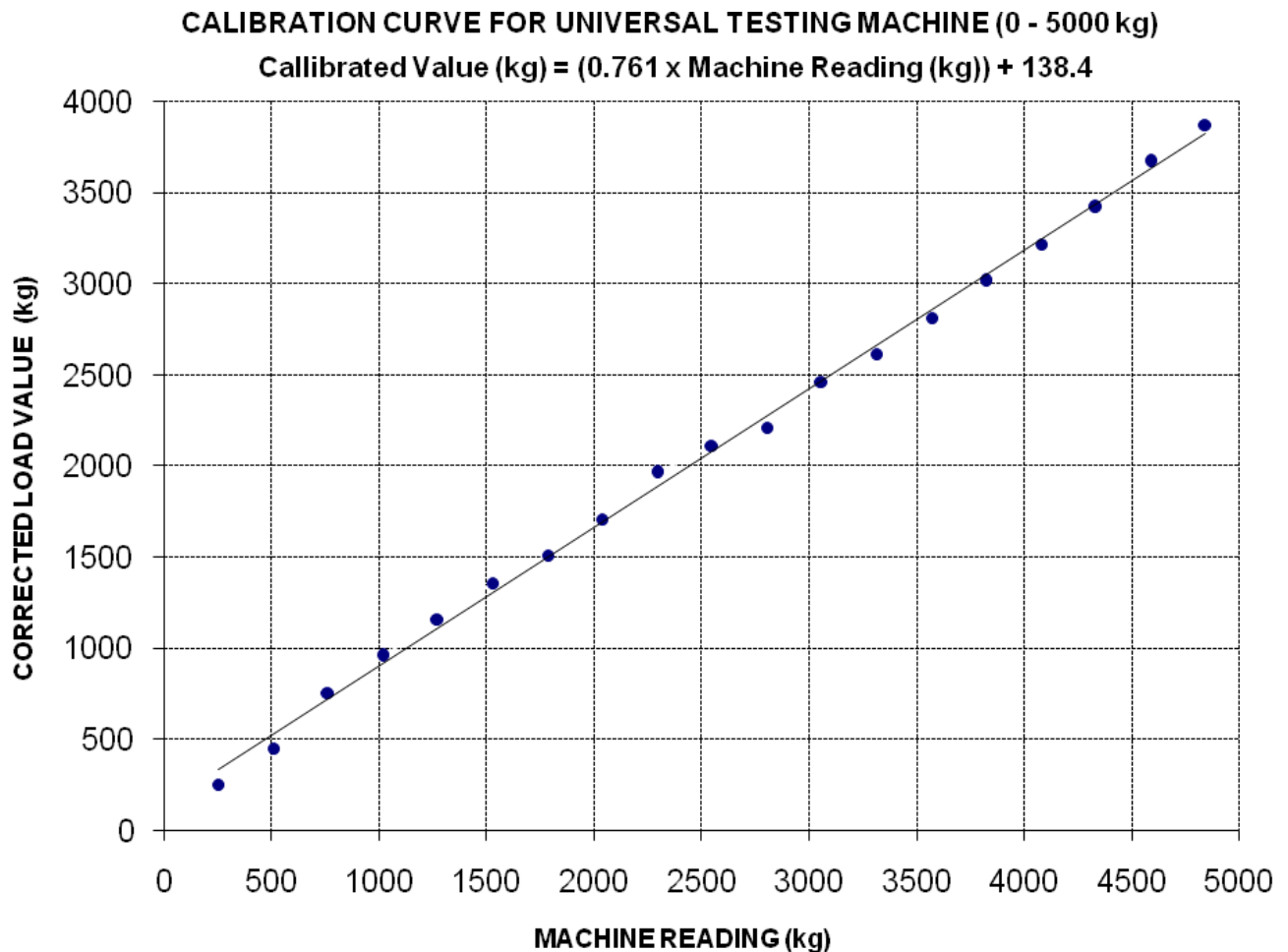
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Subject:- CALIBRATION OF UNIVERSAL TESTING MACHINE OF 10000 kg
(Scale 0-2000 kg)(MARK: CED/TFL/04/34872) (Page # 3/3)

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Total Range : Zero - 2000 (kg)

Machine Reading (kg)	Corrected Load Value (kg)
102	203
204	303
306	404
408	607
510	758
612	859
714	960
815	1061
917	1161
1019	1262

Machine Reading (kg)	Corrected Load Value (kg)
1121	1414
1223	1515
1325	1615
1427	1818
1529	2021
1631	2172
1733	2273
1835	2425
1937	2627
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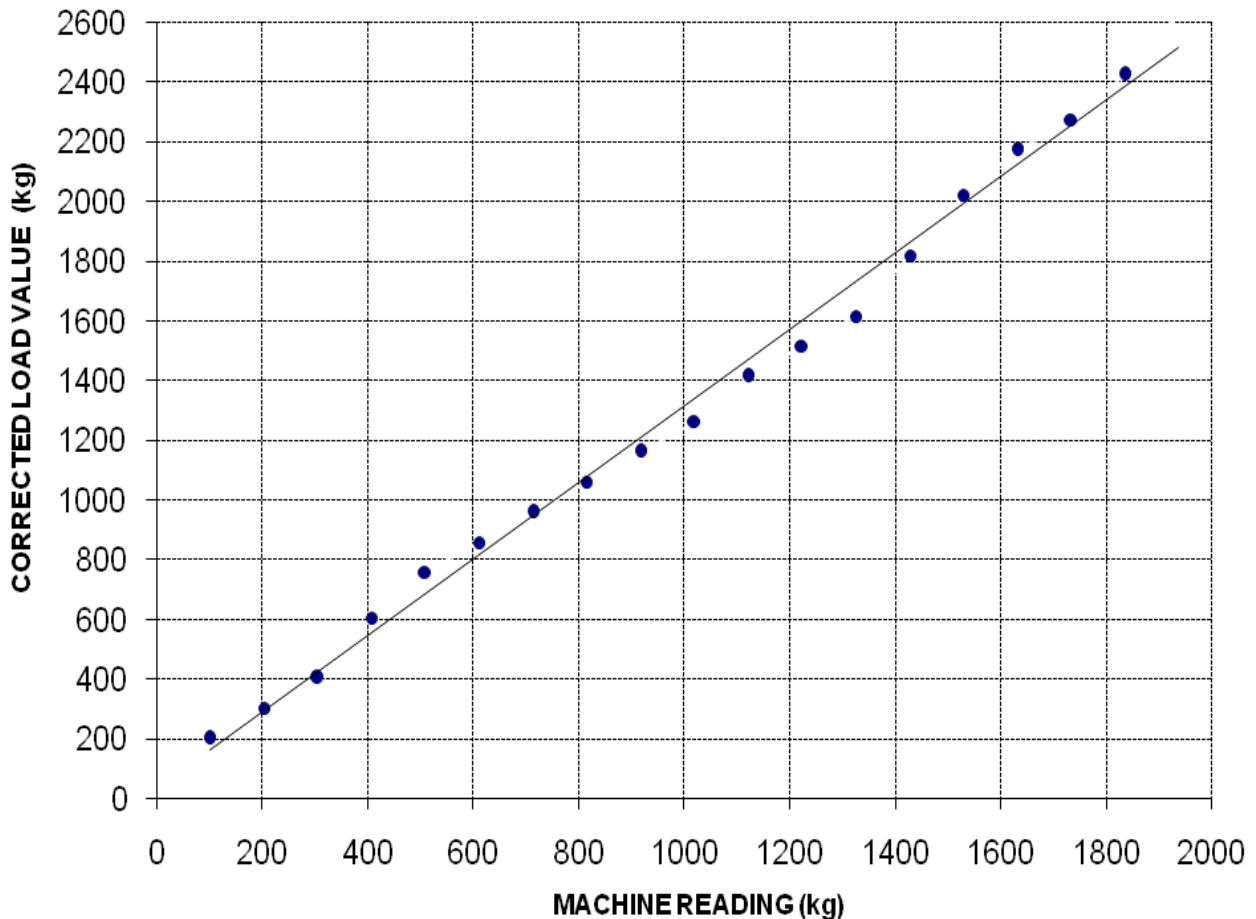
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CALIBRATION CURVE FOR UNIVERSAL TESTING MACHINE (0 - 2000 kg)

$$\text{Callibrated Value (kg)} = (1.282 \times \text{Machine Reading (kg)}) + 32.15$$



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