



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/07/33651

Dated: 30-07-2019

To,
M/S Madina PCC Poles Pvt Ltd
Quetta

Subject: - CALIBRATION OF DYNAMOMETER (MARK: TFL/07/33651) (Page -1/2)

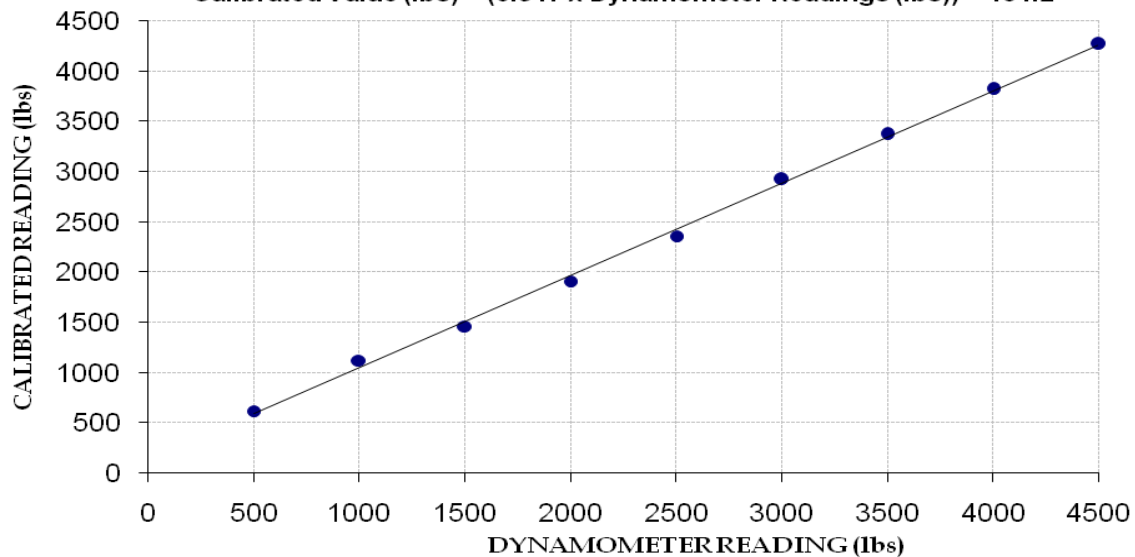
Ref: Your letter No. Nil, dated: 30/07/2019 on the subject cited above. One Dynamometer (Dillon, sr. No. 35817) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 5000 (lbs)
Calibrated Range : Zero - 4500 (lbs)

Dynamometer Readings (lbs)		500	1000	1500	2000	2500	3000	3500	4000	4500
Calibrated Readings	(N)	2750	5000	6500	8500	10500	13000	15000	17000	19000
	(lbs)	618	1124	1461	1911	2360	2922	3372	3822	4271

Calibration Curve for Dynamometer (Dillon - Sr. No. 35817)

Calibrated Value (lbs) = (0.917 × Dynamometer Readings (lbs)) + 134.2



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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Subject: - CALIBRATION OF DYNAMOMETER (MARK: TFL/07/33651) (Page -2/2)

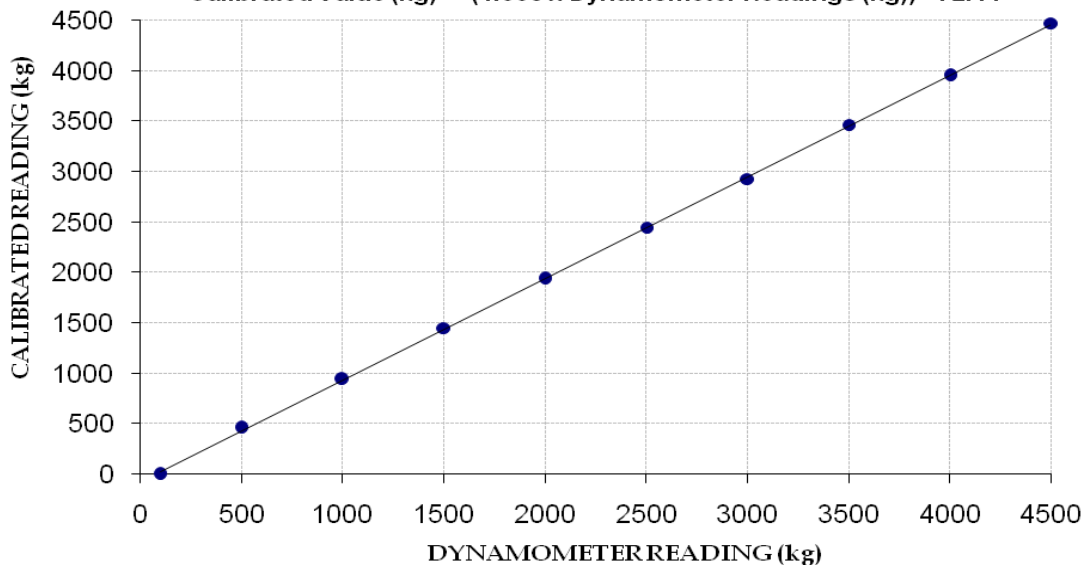
Ref: Your letter No. Nil, dated: 30/07/2019 on the subject cited above. One Dynamometer (Chatillon, sr. No. 61048) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 5000 (kg)
Calibrated Range : Zero - 4500 (kg)

Dynamometer Readings (kg)		100	500	1000	1500	2000	2500	3000	3500	4000	4500
Calibrated Readings	(N)	0	4500	9250	14250	19000	24000	28750	34000	38750	43900
	(kg)	0	459	943	1453	1937	2446	2931	3466	3950	4475

Calibration Curve for Dynamometer (Chatillon - Sr. No. 61048)

Calibrated Value (kg) = (1.008 x Dynamometer Readings (kg)) - 72.41



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To,
General Manager (Project)
Orient
Hotel Tower Project FTC Johar Town - Lahore

Reference # CED/TFL **33672** (Dr. Qasim Khan) Dated: 01-08-2019
Reference of the request letter # ORIENT/Izhar/Hotel Tower/Strand/003 Dated: 01-08-2019

Tension Test Report (Page – 1/1)

Date of Test 02-08-2019
Gauge length 640 mm
Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield strength clause (6.3)		Breaking strength clause (6.2)		% Elongation	Remarks / Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)		
1	12.70 (1/2")	775.0	776.0	18100	177.56	19500	191.30	>3.50	xx
2	12.70 (1/2")	775.0	781.0	17500	171.68	19400	190.31	>3.50	xx
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Only two samples for Test

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To,
 Project Manager
 A.S Enterprises
 (Style Textile Mill)(AA Associates)(Afco)

Reference # CED/TFL **33673** (Dr. Safer Abbas)
 Reference of the request letter # USD/ASE/16

Dated: 01-08-2019
 Dated: 01-08-2019

Tension Test Report (Page -1/1)

Date of Test 02-08-2019
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.401	10	9.84	0.12	0.118	3300	5000	60627	61740	91858	93600	1.40	17.5	
2	0.419	10	10.06	0.12	0.123	3600	5200	66138	64450	95533	93100	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 A. Senior Engineer
 University of Education, Lahore
 Construction of Warden House at UE Township Campus

Reference # CED/TFL **33674** (Dr. Safer Abbas)
 Reference of the request letter # UE/Engg/CE/2019/453

Dated: 01-08-2019
 Dated: 01-08-2019

Tension Test Report (Page -1/1)

Date of Test 02-08-2019
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.376	3/8	0.375	0.11	0.111	3600	5000	72200	71800	100200	99800	1.50	18.8	
2	0.368	3/8	0.371	0.11	0.108	3600	4800	72200	73370	96200	97900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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