



STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
 PM
 Shahan Brothers
 Madina Co-Operative Tower at Queen Road Lahore

Reference # CED/TFL **34885** (Dr. M Rizwan Riaz)
 Reference of the request letter # Nil

Dated: 06-05-2020
 Dated: 05-05-2020

Tension Test Report (Page -1/1)

Date of Test 07-05-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.373	3	0.374	0.11	0.110	3600	4800	72200	72380	96200	96600	1.10	13.8	
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.
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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,
 Sub Divisional Officer
 Buildings Sub Division No. 8
 Lahore
 (Construction of BS Block in Government Post Graduate College for Science, Wahdat Road Lahore)

Reference # CED/TFL **34887** (Dr. M Rizwan Riaz)
 Reference of the request letter # 892/8th

Dated: 06-05-2020
 Dated: 27-02-2020

Tension Test Report (Page -1/1)

Date of Test 07-05-2020
 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	0.369	3/8	0.372	0.11	0.108	3100	4300	62200	63030	86200	87500	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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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Ref: CED/TFL/05/34888

Dated: 06-05-2020

Dated of Test: 07-05-2020

To
M/S Mian Brothers Precast (Pvt) Ltd
8km- Shahkot Nankana Road, Teh: Shahkot

Subject: - CALIBRATION OF DYNAMOMETER (MARK: TFL/05/34888) (Page -1/1)

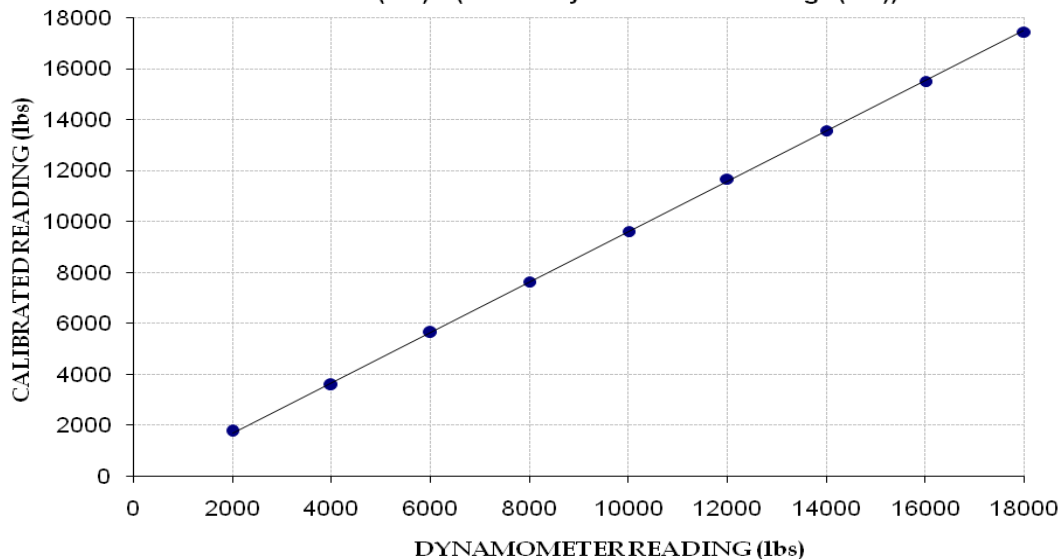
Ref: Your letter No. MBP/UET/20/0659, dated: 06/05/2020 on the subject cited above.
One Dynamometer as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 20000 (lbs)
Calibrated Range : Zero - 18000 (lbs)

Dynamometer Readings (lbs)	2000	4000	6000	8000	10000	12000	14000	16000	18000	
Calibrated Readings	(kg)	800	1620	2555	3465	4355	5290	6155	7025	7910
	(lbs)	1764	3571	5633	7639	9601	11662	13569	15487	17438

Calibration Curve for Dynamometer

Calibrated Value (lbs) = (0.986 x Dynamometer Readings (lbs)) - 265.7



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