



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/06/1682

Dated: 14-07-2022

Date of Test: 18-07-2022

To,

Resident Engineer
NESPAK

(Construction of Flyover on Rajjar Railway Crossing at Sarai Alamgir District Gujrat)

Subject: - CALIBRATION OF DIAL GAUGES (MARK: TFL/06/1682) (Page # 1/1)

Reference to your Letter No. SA-4376F/103/Raj/ML/Lab/01, Dated: 05/07/2022 on the subject cited above. Three Dial Gauges as received by us have been calibrated on standard calibration device. The results are tabulated as under.

Total Range : Zero - 100 (mm)
Calibrated Range : Zero - 50 (mm)

Standard Reading	Dial Gauge Readings		
	Dial Gauge No. I (GE 146635)	Dial Gauge No. II (GE 146633)	Dial Gauge No. III (GE 146632)
400	395	397	396
800	794	798	797
1200	1193	1197	1195
1600	1592	1597	1596
2000	1992	1996	1995
2400	2390	2396	2394
2800	2790	2797	2794
3200	3190	3197	3194
3600	3590	3598	3594
4000	3992	3998	3994
4400	4392	4398	4394
1800	4790	4798	4794
5000	4991	4998	4994

I/C Testing Laboratories
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,
 Project Manager
 Union Developers
 Construction of Union Luxury Apartments, Etihad Town, Lahore

Reference # CED/TFL **1684** (Dr. Asif Hameed)
 Reference of the request letter # UA/SO/2022/021

Dated: 18-07-2022
 Dated: 18-07-2022

Tension Test Report (Page -1/1)

Date of Test 18-07-2022
 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	0.354	3	0.364	0.11	0.104	4000	4900	80200	84640	98200	103700	0.70	8.8	Afco Steel
2	0.355	3	0.365	0.11	0.104	4100	5100	82200	86500	102200	107600	0.90	11.3	
3	0.365	3	0.370	0.11	0.107	3900	4400	78200	80130	88200	90400	0.60	7.5	
4	0.361	3	0.367	0.11	0.106	3600	4600	72200	74820	92200	95600	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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