



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/04/1228

Dated: 08-04-2022

Date of Test: 13-04-2022

To,

Resident Engineer
CAMEOS Consultant, Quetta
Construction of Black Top Road from Rakhni to Baker
(755 Construction Team Engineers)(Frontier Works Organization (FWO))
(Communication Department)

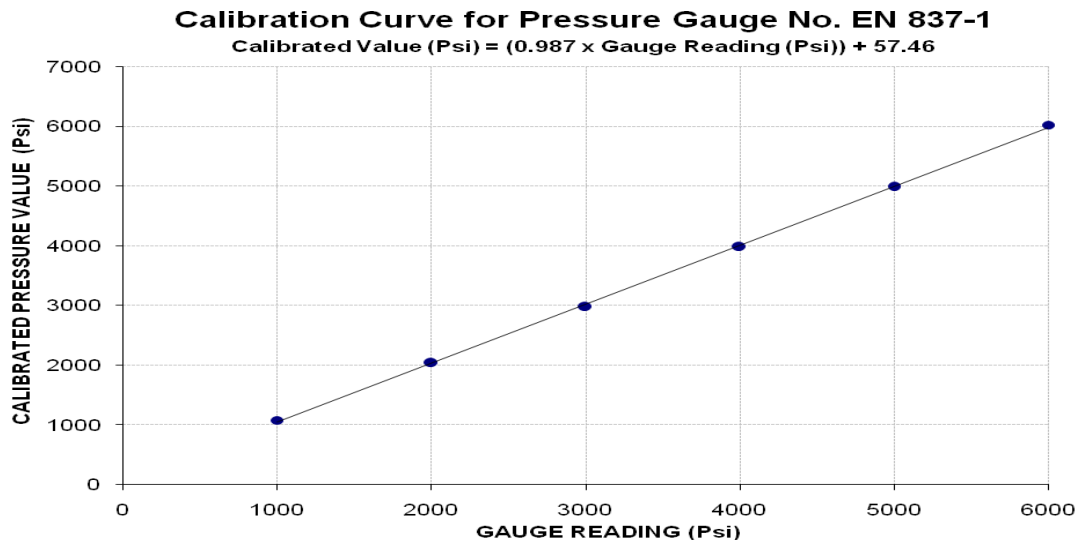
Subject: - CALIBRATION OF PRESSURE GAUGE (MARK: TFL/04/1228) (Page # 1/2)

Reference to your Letter No. CC/C&W/RB/135, Dated: 04/04/2022 on the subject cited above. One Pressure Gauge No. 837-1 as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 15000 (Psi)
Calibrated Range : Zero - 6000 (Psi)

Pressure Gauge Reading (Psi)	1000	2000	3000	4000	5000	6000
Calibrated Load (kg)	15000	28400	41400	55400	69400	83800
Calibrated Pressure (Psi)	1078	2040	2974	3980	4985	6020

The Ram Area for Calibration = 198 cm²



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Ref: CED/TFL/04/1228

Dated: 08-04-2022

Date of Test: 13-04-2022

To,

Resident Engineer
CAMEOS Consultant, Quetta
Construction of Black Top Road from Rakhni to Baker
(755 Construction Team Engineers)(Frontier Works Organization (FWO))
(Communication Department)

Subject: - CALIBRATION OF DIAL GAUGES (MARK: TFL/04/1228) (Page # 2/2)

Reference to your Letter No. CC/C&W/RB/135, Dated: 04/04/2022 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 - 50 (mm)
Calibrated Range : Zero - 48 (mm)

Standard Reading	Dial Gauge Readings		
	Dial Gauge No. I (V06800)	Dial Gauge No. II (S17630)	Dial Gauge No. III (W19974)
400	399	398	398
800	801	798	800
1200	1204	1198	1200
1600	1603	1598	1598
2000	2000	1999	1998
2400	2401	2400	2396
2800	2803	2801	2801
3200	3204	3202	3202
3600	3606	3603	3606
4000	4008	4002	4004
4400	4410	4403	4405
4800	4811	4803	4808

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Ref: CED/TFL/04/1241

Dated: 11-04-2022

Date of Test: 13-04-2022

To

**M/S Building Standards
Lahore
(Bridge over Hudiyara Drain, Lahore)**

Subject: - TEST RESULT REPORT FOR BEARING DEVICE (PAD)

(Page – 1/1)

Reference to your letter no. GT/LTR/220411-037, Dated: 11/04/2022 on the above mentioned subject. One Elastomeric Bearing Rubber Pad (EBRP) has been received by us. The same was tested and results are given below.

Laboratory : TEST FLOOR LAB
Machine : SHIMADZU
Sample No. : 1/1
Dimensions of EBRP : 404 x 304 x 55.85 mm

TEST RESULTS - SHORT DURATION

Load Duration : 5+5 minutes
Test Load : 70 TONS
Bulging Pattern : Uniform Bulging.
Laminated Parallelism : Parallel
Cracks : No crack is observed

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UET Lahore, Pakistan.**

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To,
 Sub Divisional Officer
 Buildings Sub Division No. 2
 Multan
 (200 Bedded Mother & Child Hospital at Ghalla Godam Multan)

Reference # CED/TFL **1247** (Dr. Ali Ahmed)
 Reference of the request letter # 1497/2nd

Dated: 12-04-2022
 Dated: 05-04-2022

Tension Test Report (Page -1/1)

Date of Test 13-04-2022
 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	0.389	3	0.381	0.11	0.114	3700	5500	74200	71370	110200	106100	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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To,
 Manager Construction
 Beaconhouse School System
 Construction of Ibne Sina Campus at Valencia Town Lahore

Reference # CED/TFL 1272 (Dr. Asad Ali)
 Reference of the request letter # Nil

Dated: 14-04-2022
 Dated: 13-04-2022

Tension Test Report (Page -1/1)

Date of Test 14-04-2022
 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	0.411	3	0.392	0.11	0.121	4230	6010	84800	77150	120500	109700	1.10	13.8	
2	0.417	3	0.395	0.11	0.122	4180	5780	83800	75220	115900	104100	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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UET Lahore, Pakistan.

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To,
M/S Coolmax Building Technologies
Karachi

Reference # CED/TFL 1251 (Dr. Ali Ahmed)
Reference of the request letter # Nil

Dated: 12-04-2022
Dated: 09-04-2022

Tension Test Report (Page – 1/1)

Date of Test 14-04-2022
Gauge length 2 inches
Description GI Color Coated Sheet Strip Tensile Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)									
1	GI Color Coated Sheet	0.50	49.58x0.70	34.71	-----	1000	-----	283	0.50	25.00	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
Only One Sample for Tensile Test											
Bend Test											

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To,
M/S Bless Textiles Limited
Sheikhupura
(Blessed Textile Mills (Spinning) Unit-04, Ferozewattoan, Sheikhupura)

Reference # CED/TFL 1256 (Dr. Waseem Abbass)
Reference of the request letter # Nil

Dated: 13-04-2022
Dated: 13-04-2022

Tension Test Report (Page -1/1)

Date of Test 13-04-2022
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	0.414	10	9.99	0.12	0.122	4200	5270	77161	76140	96819	95600	1.30	16.3	
2	0.411	10	9.96	0.12	0.121	4230	5350	77712	77180	98288	97700	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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