



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

To,
 Resident Engineer
 QA/QC Department
 Bahria Town Private Limited, Lahore
 Boundary Wall of School at Bahria Orchard-4

Reference # CED/TFL **35873** (Dr. Ali Ahmed)
 Reference of the request letter # QA/QC-Steel-2212

Dated: 05-01-2021
 Dated: 04-01-2021

Tension Test Report (Page -1/1)

Date of Test 06-01-2021
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.397	3	0.385	0.11	0.117	3000	4400	60200	56670	88200	83200	1.50	18.8	Model Steel
2	0.396	3	0.385	0.11	0.116	3100	4500	62200	58760	90200	85300	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples 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
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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,
 ME
 A.S. Enterprises
 Style Textile Manga
 (AA Associates)

Reference # CED/TFL **35874** (Dr. Ali Ahmed)
 Reference of the request letter # USD/ASE/25

Dated: 05-01-2021
 Dated: 05-01-2021

Tension Test Report (Page -1/1)

Date of Test 06-01-2021
 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	0.430	10	10.20	0.12	0.127	4300	5600	78998	74900	102881	97600	1.00	12.5	Afco Steel
2	0.419	10	10.06	0.12	0.123	3800	5200	69812	67940	95533	93000	1.10	13.8	
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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,
 Resident Engineer
 JERS Engineering Consultant
 Construction of Taunsa Musa Khail Road Stretch to be Constructed and Linked with Zhob
 (Package No. 1)
 Reference # CED/TFL **35875** (Dr. Ali Ahmed) Dated: 05-01-2021
 Reference of the request letter # 570 Dated: 02-01-2021

Tension Test Report (Page -1/1)

Date of Test 06-01-2021
 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	0.370	3/8	0.372	0.11	0.109	4000	5200	80200	81160	104200	105600	1.00	12.5	
2	0.370	3/8	0.372	0.11	0.109	3900	5200	78200	78940	104200	105300	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
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Ref: CED/TFL/01/35876, 880

Dated: 05-01-2021

Dated of Test: 06-01-2021

To
M/S Hamza Corporation
Lahore
(Construction of Additional Bridge and Colony Works at Trimmu Barrage)

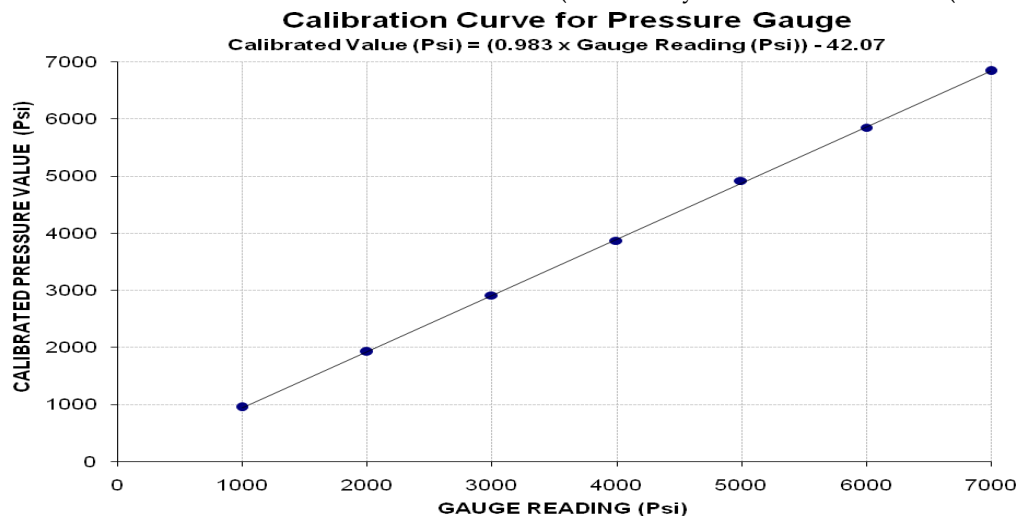
Subject: - CALIBRATION OF PRESSURE GAUGE (MARK: TFL/01/35876) (Page # 1/1)

Reference to your Letter No. TPBC/NCB-01, Dated: 05/01/2021 on the subject cited above. One Pressure Gauge No. 316 as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 14500 (Psi)
Calibrated Range : Zero - 7000 (Psi)

Pressure Gauge Reading (Psi)	1000	2000	3000	4000	5000	6000	7000
Calibrated Load (kg)	13200	26700	40500	53800	68400	81400	95200
Calibrated Pressure (Psi)	948	1918	2909	3865	4913	5847	6839

The Ram Area use for Calibration = 198 cm² (Witness by Muhammad Shahid (NESPAK))



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To,
 Construction Manager
 Ortho Hospital
 96-B Hali Road Gulberg-II, Lahore

Reference # CED/TFL **35877** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 05-01-2021
 Dated: 05-01-2021

Tension Test Report (Page -1/1)

Date of Test 06-01-2021
 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	3200	5100	64200	64300	102200	102500	1.20	15.0	
2	0.373	3	0.373	0.11	0.110	3100	5100	62200	62370	102200	102700	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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To,
 Director Plant & Production
 Lotte Akhtar Bevarges (Pvt) Ltd
 Construction of WWTP at Lotte Akhtar Bevarges (Pvt) Ltd

Reference # CED/TFL **35884** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 06-01-2021
 Dated: 06-01-2021

Tension Test Report (Page -1/1)

Date of Test 06-01-2021
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile 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	0.373	0.11	0.110	-----	5100	-----	-----	102200	102700	0.90	11.3	
2	0.378	3	0.376	0.11	0.111	-----	5200	-----	-----	104200	103300	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

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