STRUCTURAL ENGINEERING DIVISION

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

To,

Head Construction Site
ABL – UML P-199 & 200
Allied Bank
Construction of ABL Upper Mall Lahore Plot No. 199, 200.

Reference # CED/TFL **6359** (Dr. M Kashif) Dated: 16-01-2025
Reference of the request letter # ABL-UML-AMC-QAQC-104 Dated: 16-01-2025

Tension Test Report (Page -1/1)

Date of Test 17-01-2025
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	0.367	3	0.370	0.11	0.108	3400	4600	68200	69560	92200	94200	0.90	11.3	FF Steel
2	0.367	3	0.371	0.11	0.108	3400	4700	68200	69380	94200	95900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º 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

STRUCTURAL ENGINEERING DIVISION

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

To,

Construction Supervisor / Deputy PM
Sunjin Engineering amp; Architecture Co. Ltd.
Technology Park Development Project.

Reference # CED/TFL **6334** (Dr. M Kashif) Dated: 13-01-2025
Reference of the request letter # PK-IT-SUN-C-28-OCT-001 Dated: 28-10-2024

Tension Test Report (Page – 1/1)

Date of Test 17-01-2025
Gauge length 2 inches
Description Parapet Ring Steel Strip Tensile and Bend Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm^2)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	**Parapet Ring**	**34.10x12.90**	**439.89**	**23500**	**31400**	**524**	**700**	**1.20**	**60.00**	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only One Sample for Tensile and One Sample for Bend Test										
Bend Test										
Strip Taken from Parapet Ring Bend Test Through 180º 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

STRUCTURAL ENGINEERING DIVISION

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

To,

M/s Ittefaq Building Solutions Pvt. Ltd.
Lahore
(Feed Mill for Noor Feeds (Pvt.) Ltd. At Jamber.)

Reference # CED/TFL **6349** (Dr. M Kashif) Dated: 14-01-2025
Reference of the request letter # Nil Dated: 14-01-2025

Tension Test Report (Page -1/1)

Date of Test 17-01-2025
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	0.356	3	0.365	0.11	0.105	3100	4800	62200	65230	96200	101000	1.20	15.0	
2	0.356	3	0.365	0.11	0.105	3100	4800	62200	65280	96200	101100	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º 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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STRUCTURAL ENGINEERING DIVISION

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

To,

M/S Al Muhandes Engineering Solution
Karachi
(Unilever Phool Nagar.)

Reference # CED/TFL **6353** (Dr. M Kashif) Dated: 15-01-2025
Reference of the request letter # Nil Dated: 15-01-2025

Tension Test Report (Page -1/1)

Date of Test 17-01-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.378	10	9.56	0.12	0.111	4600	5300	84510	91180	97370	105100	0.80	10.0	
2	0.379	10	9.56	0.12	0.111	4600	5300	84510	91120	97370	105000	0.70	8.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180º 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
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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/01/6354 Dated: 15-01-2025

Dated: 17-01-2025

To

Resident Engineer
NESPAK
Construction of Missing Links of Hunza Road & Khunjerab Road in Block-C, Jinnah Sector, LDA City.

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

Reference to your letter no. 4047/13/MA/09/469, Dated: 06/01/2025 on the above mentioned subject. One Elastromeric 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	**:**	**309 x 207 x 50.27 mm**

TEST RESULTS – SHORT DURATION

Load Duration	**:**	**5+5 minutes**
Test Load	**:**	**90 TONS**
Bulging Pattern	**:**	**Uniform Buldging.**
Laminated Parallelism	**:**	**Parallel**
Cracks	**:**	**No crack was observed**

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.
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STRUCTURAL ENGINEERING DIVISION

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

To,

Site Civil Engineer
AAA Partnership Pvt. Ltd.
JDW Tower Lahore.

Reference # CED/TFL **6355** (Dr. M Kashif) Dated: 15-01-2025
Reference of the request letter # AAA/SO/MSB 111/2025 Dated: 15-01-2025

Tension Test Report (Page -1/1)

Date of Test 17-01-2025
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	0.366	3	0.370	0.11	0.107	3300	4700	66200	67700	94200	96500	1.40	17.5	
2	0.372	3	0.373	0.11	0.109	3400	4800	68200	68540	96200	96800	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º 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.
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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 (JCP Wahga)
NESPAK
Expansion of Joint Chek Post Wahga, Lahore.

Reference # CED/TFL **6356** (Dr. M Kashif) Dated: 15-01-2025
Reference of the request letter # 4749/031/YK/01/118 Dated: 13-01-2025

Tension Test Report (Page -1/1)

Date of Test 17-01-2025
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	0.373	3	0.373	0.11	0.110	3100	4600	62200	62370	92200	92600	1.00	12.5	Aziz Steel
2	0.372	3	0.373	0.11	0.109	3200	4700	64200	64530	94200	94800	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

#3 Bar Bend Test Through 180º 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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STRUCTURAL ENGINEERING DIVISION

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

To,

Chief Engineer
NESPAK
Enhancement & Consytruction of The Shrine Syed Ali Al-Hajveri (R.A) (Data Ganj Bakhsh) Lahore.

Reference # CED/TFL **6358** (Dr. M Kashif) Dated: 16-01-2025
Reference of the request letter # 4580/13/AA/01 Dated: 15-01-2025

Tension Test Report (Page -1/1)

Date of Test 17-01-2025
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	0.400	3	0.387	0.11	0.118	3600	4900	72200	67460	98200	91900	1.00	12.5	Kisan Steel
2	0.390	3	0.382	0.11	0.115	3600	4800	72200	69300	96200	92400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º 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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STRUCTURAL ENGINEERING DIVISION

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

To,

Assistant Director (QCD)
WASA, LDA, Lahore.
(M/s Wahga RCC Pipe Factory.)

Reference # CED/TFL **6361** (Dr. M Kashif) Dated: 16-01-2025
Reference of the request letter # QCD/254 Dated: 15-01-2025

Tension Test Report (Page -1/1)

Date of Test 17-01-2025
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	0.364	3	0.369	0.11	0.107	4300	5300	86200	88600	106200	109200	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º 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

STRUCTURAL ENGINEERING DIVISION

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

To,

Assistant Director (QCD)
WASA, LDA, Lahore.
(M/s Shezone Pipe Industry.)

Reference # CED/TFL **6362** (Dr. M Kashif) Dated: 16-01-2025
Reference of the request letter # QCD/248 Dated: 15-01-2025

Tension Test Report (Page -1/1)

Date of Test 17-01-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.088	5/32	0.181	-----	0.026	680	1040	--------	58230	--------	89100	0.20	2.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
5/32" Dia Bar Bend Test Through 180º 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
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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/01/6364 Dated: 16-01-2025

Date of Test: 17-01-2025

To,

M/S Bemsol Private Limited
Lahore

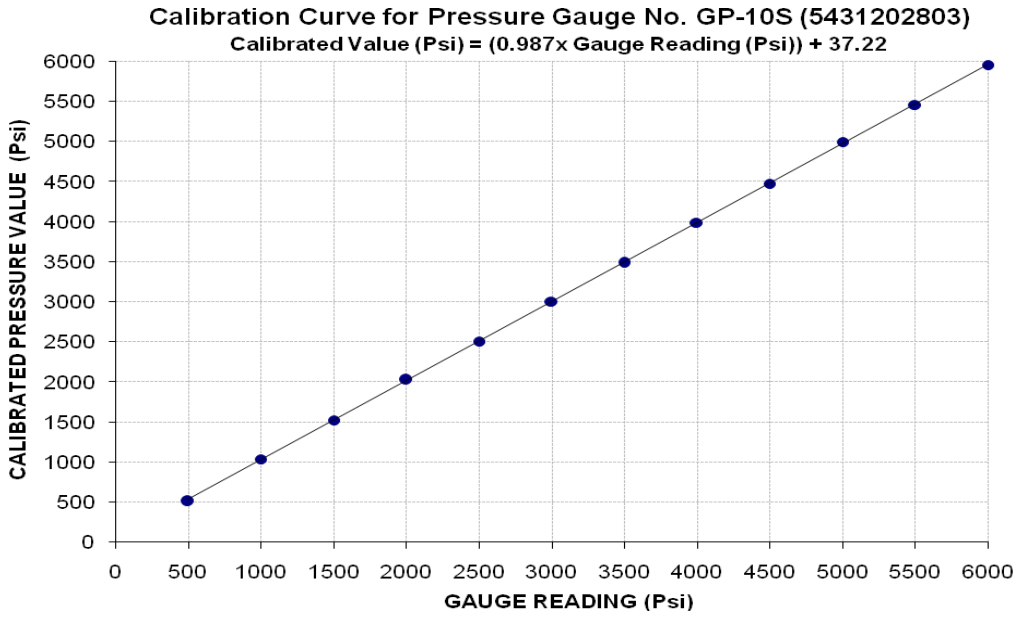
Subject: **- CALIBRATION OF PRESSURE GAUGE (MARK: TFL/01/6364)** (Page # 1/2)

Reference to your Letter No. BPL/20250112, Dated: 16/01/2025 on the subject cited above. One Pressure Gauge No. GP-10S (5431202803), Make ENERPAC as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 10000 (Psi)
Calibrated Range : Zero - 6000 (Psi)

Pressure Gauge Reading (Psi)	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000
Calibrated Load (kg)	7100	14400	21200	28200	34900	41800	48500	55500	62300	69600	76000	82900
Calibrated Pressure (Psi)	510	1034	1523	2026	2507	3003	3484	3987	4475	5000	5459	5955

The Ram Area for Calibration = 198 cm^2



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
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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/01/6364 Dated: 16-01-2025

Date of Test: 17-01-2025

To,

M/S Bemsol Private Limited
Lahore

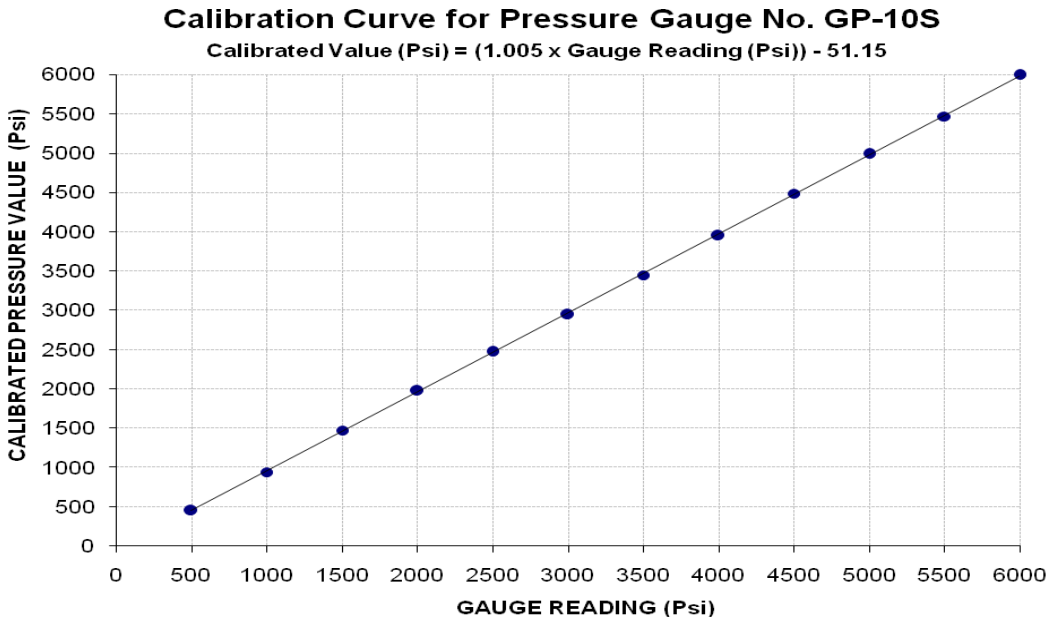
Subject: **- CALIBRATION OF PRESSURE GAUGE (MARK: TFL/01/6364)** (Page # 2/2)

Reference to your Letter No. BPL/20250112, Dated: 16/01/2025 on the subject cited above. One Pressure Gauge No. GP-10S, Make ENERPAC as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 10000 (Psi)
Calibrated Range : Zero - 6000 (Psi)

Pressure Gauge Reading (Psi)	**500**	**1000**	**1500**	**2000**	**2500**	**3000**	**3500**	**4000**	**4500**	**5000**	**5500**	**6000**
Calibrated Load (kg)	**6300**	**13100**	**20500**	**27500**	**34400**	**41000**	**48000**	**55000**	**62400**	**69400**	**76100**	**83400**
Calibrated Pressure (Psi)	**453**	**941**	**1473**	**1975**	**2471**	**2945**	**3448**	**3951**	**4482**	**4985**	**5467**	**5991**

The Ram Area for Calibration = 198 cm^2



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
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STRUCTURAL ENGINEERING DIVISION

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

To,

M/S Zenith Associates
Lahore
Project: Engro Ebfra Share Site ID: NRO24_CB_266 (EC2-KWL-09114), NRO24_CB_281(EC2-FSD-09432), 54006 (EN2-LWD-09399)

Reference # CED/TFL **6365** (Dr. M Kashif) Dated: 16-01-2025
Reference of the request letter # Zinat Associate/Steel/Engro Enfra Share/01Dated: 10-10-2024

Tension Test Report (Page -1/1)

Date of Test 17-01-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.376	10	9.53	0.12	0.111	3400	5000	62464	67810	91858	99800	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

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

STRUCTURAL ENGINEERING DIVISION

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

To,

Project Manager
MA Engineering Services
Engro Enfrasherare B2S Towers.

Reference # CED/TFL **6366** (Dr. M Kashif) Dated: 16-01-2025
Reference of the request letter # MA/UET/LHR/023 Dated: 16-01-2025

Tension Test Report (Page -1/1)

Date of Test 17-01-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.362	10	9.36	0.12	0.107	3500	5300	64301	72410	97370	109700	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION

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

To,

Project Engineer
NESPAK
Construction of Test Beds and Workshop Building for Al-Ghazi Tractor Limited
Sheikhupura Road, Lahore.

Reference # CED/TFL **6367** (Dr. M Kashif) Dated: 16-01-2025
Reference of the request letter # 4829/311/JA/23781 Dated: 16-01-2025

Tension Test Report (Page -1/1)

Date of Test 17-01-2025
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	0.376	3	0.375	0.11	0.110	3600	5000	72200	71860	100200	99800	1.30	16.3	Mughal Supreme
2	0.377	3	0.376	0.11	0.111	3800	5100	76200	75580	102200	101500	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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