STRUCTURAL ENGINEERING DIVISION

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

To,

Hammad Javed
Resident Engineer, HA Consulting Jv Mascon Associates
Construction of Model Bazar in Different Cities of Punjab
Model Bazar Jaranwala.

Reference # CED/TFL **6642** (Dr. M Kashif) Dated: 28-02-2025
Reference of the request letter # 25/HAC-MAS/JRW/0018 Dated: 27-02-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
FF Steel

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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.385	3	0.380	0.11	0.113	39.70	50.20	81100	78720	102600	99600	1.10	13.8	
2	0.386	3	0.380	0.11	0.114	39.50	50.00	80700	78130	102200	98900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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

Ref: CED/TFL/02/6543 Dated: 13-02-2025
Dated of Test: 06-03-2025

To

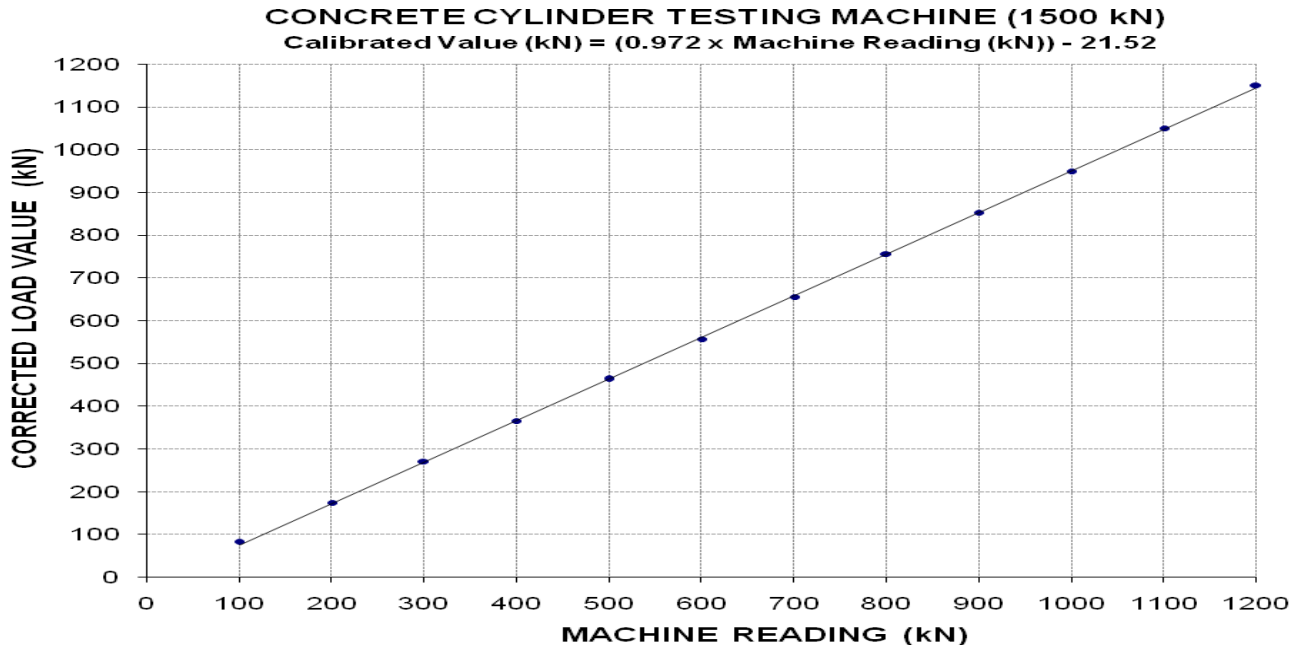
M/S Unze Trading (Pvt) Limited
Lahore.
(Owned PCC Pole Plant Sahiwala FIEDMC Faisalabad)

Subject:- **CALIBRATION OF CONCRETE CYLINDER TESTING MACHINE**
(MARK: CED/TFL/02/6543)

Reference to your letter No. UNZE/MEPCO/05/2025, dated: 03/02/2025 on the subject cited above. One Concrete Cylinder Testing Machine has been calibrated by using standard calibration device. The results are tabulated as under:

Total Range : Zero – 1500 (kN)
Calibrated Range : Zero – 1200 (kN)

Machine Reading (kg)	100	200	300	400	500	600	700	800	900	1000	1100	1200
Corrected Load Value (kg)	83	174	270	365	463	557	655	756	853	949	1050	1151



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,

Engr. Faran Nawab
Resident Engineer, NESPAK
Dualization & Improvement of Old Banu Road Project (P – 01 & P – 02)

Reference # CED/TFL **6629** (Dr. M Rizwan Riaz) Dated: 27-02-2025
Reference of the request letter # OBR/KKP-02/RE/FN/1060 Dated: 25-02-2025

Tension Test Report (Page – 1/1)

Date of Test 06-03-2025
Gauge length 2 inches
Description Metal Guard Rail 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^2)	(kN)	(kN)	(MPa)	(MPa)	(in)		
1	**Metal Guard Rail**	**25.40x2.30**	**58.42**	**28.00**	**35.00**	**479**	**599**	**0.60**	**30.00**	
2	**- Metal Guard Rail End Piece**	**25.50x4.30**	**109.65**	**53.50**	**66.50**	**488**	**606**	**0.70**	**35.00**	
3	**Steel Post**	**25.30x5.40**	**136.62**	**49.00**	**76.20**	**359**	**558**	**0.60**	**30.00**	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Three Samples for Tensile and Three Samples for Bend Test										
Bend Test										
Strip Taken from Metal Guard Rail Bend Test Through 180º is Satisfactory										
Strip Taken from Metal Guard Rail End Piece Bend Test Through 180º is Satisfactory										
Strip Taken from Steel Post Bend Test Through 180º is Satisfactory										

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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. Yasir Kiani
Resident Engineer (JCP Wahga)
NESPAK
Expansion of Joint Chek Post Wahga, Lahore.

Reference # CED/TFL **6644** (Dr. Rizwan Riaz) Dated: 28-02-2025
Reference of the request letter # 4749/031/YK/01/146 Dated: 27-02-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
Aziz Steel

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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.375	3	0.375	0.11	0.110	36.00	53.20	73600	73380	108700	108500	1.20	15.0	
2	0.368	3	0.371	0.11	0.108	36.00	52.70	73600	74700	107700	109400	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,

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

Reference # CED/TFL **6640** (Dr. M Rizwan Riaz) Dated: 28-02-2025
Reference of the request letter # ABL-UML-AMC-QAQC-107 Dated: 28-02-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
FF Steel

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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.375	3	0.375	0.11	0.110	39.50	50.20	80700	80490	102600	102300	1.20	15.0	
2	0.377	3	0.376	0.11	0.111	39.20	50.50	80100	79440	103200	102400	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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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Muhammad Khalid Zaman
Resident Engineer (ECSP)
Model Cattle Market Shahpur Kanjra, Lahore. (P-1)

Reference # CED/TFL **6612** (Dr. M Rizwan Riaz) Dated: 25-02-2025
Reference of the request letter # ECSP/MCML/64 Dated: 17-02-2025

Tension Test Report (Page – 1/2)

Date of Test 06-03-2025
Gauge length 2 inches
Description Steel Plate 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)	(kN)	(kN)	(MPa)	(MPa)	(in)		
1	4	26.30x3.20	84.16	50.00	65.00	594	772	0.60	30.00	
2	6	26.30x5.20	136.76	81.50	110.00	596	804	0.70	35.00	
3	7	26.30x6.10	160.43	91.20	116.20	568	724	0.60	30.00	
4	8	26.20x7.30	191.26	107.20	133.00	560	695	0.70	35.00	
5	10	26.20x9.30	243.66	119.20	161.30	489	662	0.70	35.00	
-		-	-	-	-	-	-	-	-	
-		-	-	-	-	-	-	-	-	
Only Five Samples for Tensile and Five Samples for Bend Test										

Bend Test
Strip Taken from Steel Plate 4mm Bend Test Through 180º is Satisfactory
Strip Taken from Steel Plate 6mm Bend Test Through 180º is Satisfactory
Strip Taken from Steel Plate 7mm Bend Test Through 180º is Satisfactory
Strip Taken from Steel Plate 8mm Bend Test Through 180º is Satisfactory
Strip Taken from Steel Plate 10mm 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,

Muhammad Khalid Zaman
Resident Engineer (ECSP)
Model Cattle Market Shahpur Kanjra, Lahore. (P-1)

Reference # CED/TFL **6612** (Dr. M Rizwan Riaz) Dated: 25-02-2025
Reference of the request letter # ECSP/MCML/64 Dated: 17-02-2025

Weight &Size Test Report (Page – 2/2)

Date of Test 06-03-2025
Description Steel Plate Weight and Size Test

Sr. No.	Designation	Weight	Length	Width (b)	Weight per Unit Area	Thickness	Remark
	(mm)	(g)	(cm)	(cm)	(kg/m^2)	(mm)	
1	**4**	**1412**	**61.20**	**7.70**	**29.96**	**3.20**	
2	**6**	**2159**	**61.20**	**7.70**	**45.82**	**5.20**	
3	**7**	**2507**	**61.10**	**7.70**	**53.29**	**6.10**	
4	**8**	**2868**	**61.30**	**7.70**	**60.76**	**7.30**	
5	**10**	**3662**	**61.60**	**7.90**	**75.25**	**9.40**	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
Only Five Samples for Test							

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,

Sana MEraj
Civil Engineer,
Building Standards Limited.

Reference # CED/TFL **6646** (Dr. Safeer Abbas) Dated: 03-03-2025
Reference of the request letter # BS/LTR/250228-092 Dated: 28-02-2025

Tension Test Report (Page – 1/1)

Date of Test 21-01-2025
Gauge length 2 inches
Description Girder Steel 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^2)	(kN)	(kN)	(MPa)	(MPa)	(in)		
1	**Girder**	**19.40x8.00**	**155.20**	**56.50**	**81.70**	**364**	**526**	**0.50**	**25.00**	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only One Sample for Tensile Test										
Bend Test										

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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,

Malik Zafar Iqbal
General Manager, Guarantee Engineers (Pvt) Ltd.
The Project for Ali Murtuza Associates, Unit-3, Lahore

Reference # CED/TFL **6647** (Dr. Rizwan Riaz) Dated: 03-03-2025
Reference of the request letter # Nil Dated: 26-02-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
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	0.367	10	9.42	0.12	0.108	4130	5170	75875	84340	94982	105600	1.10	13.8	
2	0.369	10	9.44	0.12	0.108	3820	4740	70180	77670	87082	96400	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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:
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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,

Engr. Ghulam Rasool
Resident Engineer, NESPAK
Rehabilitation / Improvement of Streets (P.C.C), Sewerage, Drainge at Village Teheht & Gowala Colony Block A, B, C, D, UC-241 Nishtar Zone MCL.

Reference # CED/TFL **6645** (Dr. Rizwan Riaz) Dated: 03-03-2025
Reference of the request letter # 4084/103/LDP/NZ/04/212 Dated: 11-02-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.368	3	0.371	0.11	0.108	36.00	51.50	73600	74830	105200	107100	1.20	15.0	
2	0.366	3	0.370	0.11	0.107	35.20	50.50	71900	73600	103200	105600	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.

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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,

Saeed Afzal
Assistant Executive Engineer, Pakistan Railways Narowal
Construction of Road near Narowal Railway Station.

Reference # CED/TFL **6648** (Dr. M Rizwan Riaz) Dated: 03-03-2025
Reference of the request letter # A/13 Dated: 28-02-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile 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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.377	3	0.376	0.11	0.111	37.50	48.70	76600	76010	99500	98800	1.40	17.5	
2	0.377	3	0.376	0.11	0.111	37.70	49.00	77100	76350	100100	99300	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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,

Farooq KHattak
Chief Resident Engineer, PMCS Consultants, Dreams-I
Lot-4: Replacement of Existing Conductance Main from Rawal Lake Filtration Plant (FP) to Water Works at Sufaid Tanki and Augmentation of Water Supply and Formation of District Metered Areas Khayaban e Sir Syed (KSS) RWP.

Reference # CED/TFL **6653** (Dr. M Kashif) Dated: 04-03-2025
Reference of the request letter # PMCS/CRE/LOT-4/299 Dated: 04-03-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.421	3	0.397	0.11	0.124	45.70	56.00	93400	83050	114400	101800	0.80	10.0	Pak Steel
2	0.417	3	0.395	0.11	0.123	45.00	56.20	92000	82530	114800	103100	0.80	10.0	
3	0.382	3	0.378	0.11	0.112	37.70	51.20	77100	75530	104600	102600	1.30	16.3	Faizan Steel
4	0.381	3	0.378	0.11	0.112	37.20	51.00	76000	74580	104200	102300	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only four samples for tensile and two samples for bend test

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

#3 Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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,

Director Projects
Sheikhoo Sugar Mills (Steel Division)
Sheikhoo Steel, Anwar Abad Kot Addu, Muzaffargarh
"Sub Divisional Officer, Highway Sub Division, Dera Ghazi Khan"

Reference # CED/TFL **6658** (Dr. M Rizwan Riaz) Dated: 05-03-2025
Reference of the request letter # Nil Dated: 25-02-2025

Tension Test Report (Page -1/2)

Date of Test 06-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
Sheikhoo Steel

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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.361	3	0.367	0.11	0.106	36.00	49.00	73600	76320	100100	103900	1.40	17.5	
2	0.361	3	0.368	0.11	0.106	38.00	49.20	77700	80420	100500	104200	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,

Director Projects
Sheikhoo Sugar Mills (Steel Division)
Sheikhoo Steel, Anwar Abad Kot Addu, Muzaffargarh
"Sub Divisional Officer, Highway Sub Division, Dera Ghazi Khan"

Reference # CED/TFL **6658** (Dr. M Rizwan Riaz) Dated: 05-03-2025
Reference of the request letter # Nil Dated: 25-02-2025

Tension Test Report

Date of Test 06-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615
Sheikhoo Steel

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	4.197	32	31.83	1.25	1.234	40200	53400	70900	71820	94181	95400	1.40	17.5	
2	4.171	32	31.73	1.25	1.226	40200	54400	70900	72280	95944	97900	1.30	16.3	
3	5.215	36	35.48	1.58	1.533	51600	69800	71998	74200	97393	100400	1.60	20.0	
4	5.202	36	35.44	1.58	1.529	52200	70000	72836	75250	97672	100900	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only four samples for tensile and two samples for bend test

Bend Test

32mm Dia Bar Bend Test Through 180º is Satisfactory

36mm Dia Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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,

Ammar Muhammad
Officer Construction, Allied Bank
Engineering Cell, Islamabad.
Construction of ABL Building Bahrain, Swat.

Reference # CED/TFL **6657** (Dr. M Rizwan Riaz) Dated: 05-03-2025
Reference of the request letter # ENGG/IBD/2025/815 Dated: 03-03-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
FF Steel

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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.375	3	0.375	0.11	0.110	40.50	52.70	82800	82580	107700	107500	1.10	13.8	
2	0.372	3	0.373	0.11	0.109	39.50	51.50	80700	81250	105200	106000	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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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,

Amir Saleem
XEN
GE (Air) Lahore
(Construction of Technical Guard Room at HQ CAC at PAF Base Lahore CA No. CEAF-DE-17/2025)

Reference # CED/TFL **6654** (Dr. M Rizwan Riaz) Dated: 05-03-2025
Reference of the request letter # 600-Gen/63/E-6 Dated: 04-03-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.368	3/8	0.371	0.11	0.108	37.00	48.20	75600	76950	98500	100300	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one samples for tensile and one sample for bend test														
Bend Test														
3/8" Dai 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,

Sub Divisional Officer
Kallurkot Canal Sub Division
Kallurkot
"Rehabilitation / Construction of Offices / Residencial Complex for The Newly Created Zone / Circles / Divisions / Sub-Divisions in Irrigation Zone Sargodha (Khansar Canal Division Package B)

Reference # CED/TFL **6659** (Dr. M Kashif) Dated: 05-03-2025
Reference of the request letter # 86/1-E Dated: 03-03-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615
Sheikhoo Steel

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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.374	3	0.374	0.11	0.110	37.50	49.00	76600	76680	100100	100200	1.40	17.5	
2	0.374	3	0.374	0.11	0.110	37.20	49.00	76000	76110	100100	100300	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples 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,

Muhammad Aman Ullah
Resident Engineer, NESPAK
Construction of Masjid in Block-C, Jinnah Sector, LDA City, Lahore.

Reference # CED/TFL **6649** (Dr. Rizwan Riaz) Dated: 03-03-2025
Reference of the request letter # 4047/13/MA/04/539 Dated: 27-02-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
Markhor Steel

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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.411	3	0.392	0.11	0.121	39.00	58.00	79700	72620	118500	108000	1.10	13.8	
2	0.410	3	0.392	0.11	0.120	38.20	58.20	78100	71260	118900	108600	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.

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,

Tahawar Owais
Project Manager, DSG Energy
Construction of Office Building at 29-M QIE, Lahore.

Reference # CED/TFL **6664** (Dr. M Rizwan Riaz) Dated: 06-03-2025
Reference of the request letter # Nil Dated: 06-03-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.367	3	0.371	0.11	0.108	36.50	48.00	74600	75940	98100	99900	1.20	15.0	Hunza Steel
2	0.367	3	0.371	0.11	0.108	38.00	48.20	77700	79170	98500	100500	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.

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,

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

Reference # CED/TFL **6661** (Dr. M Rizwan Riaz) Dated: 05-03-2025
Reference of the request letter # ABL-UML-AMC-QAQC-108 Dated: 05-03-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
FF Steel

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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.372	3	0.373	0.11	0.109	39.70	50.50	81100	81580	103200	103800	1.20	15.0	
2	0.374	3	0.374	0.11	0.110	41.00	51.20	83800	83900	104600	104800	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.

Note:
1- You can See your reports On Internet in the following web site
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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,

Engr. Hammad Zafar
CEO, EDDCO Construction (Private) Limited.
Construction of Commercial Plazza Plot # 48, Sec. BWD Phase 8C.

Reference # CED/TFL **6665** (Dr. M Rizwan Riaz) Dated: 06-03-2025
Reference of the request letter # DC-48/05-03-25 Dated: 05-03-2025

Tension Test Report (Page -1/1)

Date of Test 06-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
Batala Steel

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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.367	3	0.371	0.11	0.108	34.70	50.00	70900	72270	102200	104200	1.20	15.0	
2	0.374	3	0.374	0.11	0.110	35.70	50.50	73000	72960	103200	103200	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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