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
Sunshina Health Care Private Limited.
Sunshine Medical Tower Shahdra.

Reference # CED/TFL **5356** (Dr. Rizwan Azam) Dated: 18-07-2024
Reference of the request letter # Nil Dated: 18-07-2024

Tension Test Report (Page -1/1)

Date of Test 22-07-2024
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	0.363	3	0.369	0.11	0.107	3430	5350	68800	70870	107200	110600	0.80	10.0	
2	0.361	3	0.368	0.11	0.106	3310	5400	66400	68670	108200	112100	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one samples 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,

Project Manager
AJK Engineers (Pvt.) Ltd.
Protection Piling, Excavation & Tubewell Works at JDW Tower.

Reference # CED/TFL **5357** (Dr. M Rizwan Riaz) Dated: 18-07-2024
Reference of the request letter # AJK/JDW/UET/2024/07/02 Dated: 18-07-2024

Tension Test Report (Page -1/1)

Date of Test 22-07-2024
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	0.362	3	0.368	0.11	0.106	3130	4400	62800	64890	88200	91300	1.10	13.8	
2	0.361	3	0.368	0.11	0.106	3080	4400	61800	63960	88200	91400	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,

M/S M. Yousaf & Company
Lahore
(The Construction of 3 Nos Labs at TCF School, Hadiara, Lahore)

Reference # CED/TFL **5358** (Dr. M Rizwan Riaz) Dated: 18-07-2024
Reference of the request letter # M.Y/UET/2024-113 Dated: 09-07-2024

Tension Test Report (Page -1/1)

Date of Test 22-07-2024
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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.368	3	0.371	0.11	0.108	3490	4910	70000	71070	98400	100000	1.30	16.3	Ittefaq Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,

Resident Engineer
ACE Architectural & Town Planning Services Limited, Sambrial Sialkot
Establishment of University of Applied Engineering and Emerging Technologies (UAEET) Sambrial, Sialkot

Reference # CED/TFL **5359, 5374** (Dr. M Rizwan Riaz) Dated: 18-07-2024
Reference of the request letter # ER/UAEET/ACE/ME/2024/24 Dated: 18-07-2024

Tension Test Report (Page – 1/2)

Date of Test 22-07-2024
Description Chain Link Mesh Wire Tensile Test

Sr. No.	Measure Diameter of Wire	Breaking Load	Remarks
	(mm)	(kN)	
1	**3.10**	**4.30**	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Only One Sample for Test			

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,

Resident Engineer
ACE Architectural & Town Planning Services Limited, Sambrial Sialkot
Establishment of University of Applied Engineering and Emerging Technologies (UAEET) Sambrial, Sialkot

Reference # CED/TFL **5359, 5374** (Dr. M Rizwan Riaz) Dated: 18-07-2024
Reference of the request letter # ER/UAEET/ACE/ME/2024/24 Dated: 18-07-2024

Size Test Report (Page – 2/2)

Date of Test 22-07-2024
Description Chain Link Mesh Wire Size Test

Sr. No.	Measure Diameter of Wire	Spacing		Remarks
	(mm)	(mm)	(mm)	
1	**3.10**	**53.60**	**52.20**	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only One Sample for Test				

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 Engineer
ITU (Information Technology University of The Punjab)
Construction of Main Fornt Boundary Wall at Main Barki Road Lahore.

Reference # CED/TFL **5360** (Dr. M Rizwan Riaz) Dated: 18-07-2024
Reference of the request letter # ITU/OEW/24/258 Dated: 09-07-2024

Tension Test Report (Page -1/1)

Date of Test 22-07-2024
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	0.371	3	0.373	0.11	0.109	3840	5150	77000	77610	103200	104100	0.90	11.3	
2	0.369	3	0.372	0.11	0.109	3740	5010	75000	75920	100400	101700	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,

Project Manager
i Engineering Pakistan
(Greenfield site id; TWPMZG0012, TWPMZG0007 & TWPFSD0030)

Reference # CED/TFL **5361** (Dr. M Rizwan Riaz) Dated: 18-07-2024
Reference of the request letter # Nil Dated: 12-07-2024

Tension Test Report (Page -1/1)

Date of Test 22-07-2024
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	0.370	10	9.45	0.12	0.109	3330	4860	61178	67560	89286	98600	1.10	13.8	
2	0.368	10	9.42	0.12	0.108	3260	4610	59892	66490	84693	94100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
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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 Resident Engineer
Enviro Consult (Smc-Pvt) Ltd.
" Enhancement of Pumping Capacity and Improvement of Civil Structure of Different Disposal Satation of WASA Faisalabad, Chokera-II Disposal Station (Sub Head # 2)."

Reference # CED/TFL **5364** (Dr. M Rizwan Riaz) Dated: 19-07-2024
Reference of the request letter # 340/WASA-FSD/2024/32 Dated: 07-07-2024

Tension Test Report (Page -1/1)

Date of Test 22-07-2024
Gauge length 8 inches
Description 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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.380	3/8	0.377	0.11	0.112	3590	5300	72000	70810	106200	104600	1.10	13.8	
2	4.290	1.25	1.267	1.27	1.261	36000	58400	62500	62930	101400	102100	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and two samples for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180º is Satisfactory														
1.25" 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
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 Engineer
ITU (Information Technology University of The Punjab)
Construction of Multi-Purpuse Building at Main Barki Road Lahore.

Reference # CED/TFL **5365** (Dr. M Rizwan Riaz) Dated: 19-07-2024
Reference of the request letter # ITU/OEW/24/269 Dated: 15-07-2024

Tension Test Report (Page -1/1)

Date of Test 22-07-2024
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	0.406	3	0.390	0.11	0.119	3870	5100	77600	71420	102200	94200	1.00	12.5	
2	0.402	3	0.388	0.11	0.118	3840	5100	77000	71640	102200	95200	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,

Senior Estate Engineer
Sundar Industrial Estate
Lahore

Reference # CED/TFL **5367** (Dr. Rizwan Azam) Dated: 19-07-2024
Reference of the request letter # BOM/SIE/BCD 7-24/431 Dated: 19-07-2024

Tension Test Report (Page -1/1)

Date of Test 22-07-2024
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	0.381	10	9.59	0.12	0.112	3920	4940	72017	77190	90756	97300	1.00	12.5	Moiz Steel
2	0.381	10	9.59	0.12	0.112	4000	5020	73487	78810	92226	99000	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
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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 Shakir
Engineer
Tabishima Corporation
The Project for The Installation of Weather Surveillance Radar in Multan City.

Reference # CED/TFL **5370** (Dr. M Kashif) Dated: 22-07-2024
Reference of the request letter # Nil Dated: 22-07-2024

Tension Test Report (Page -1/1)

Date of Test 22-07-2024
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	0.408	10	9.92	0.12	0.120	3790	5200	69629	69680	95533	95600	1.20	15.0	
2	0.410	10	9.95	0.12	0.121	3870	5220	71098	70750	95900	95500	1.50	18.8	
3	4.196	32	31.83	1.25	1.233	38400	55400	67725	68620	97708	99000	1.10	13.8	
4	4.219	32	31.92	1.25	1.240	35600	53200	62787	63270	93828	94600	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Bend Test

10mm Dia Bar Bend Test Through 180º is Satisfactory

32mm Dia Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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,

Cost Control Engineer
Sufi City
Construction of Sufi City Housing Society, Mandi Bahaud Din.

Reference # CED/TFL **5371** (Dr. Asad Ali) Dated: 22-07-2024
Reference of the request letter # SUFI /2024/CE/10 Dated: 19-07-2024

Tension Test Report (Page -1/1)

Date of Test 22-07-2024
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	0.385	3	0.380	0.11	0.113	3380	5050	67800	65760	101200	98300	1.20	15.0	
2	0.386	3	0.380	0.11	0.113	3360	4940	67400	65260	99000	96000	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