STRUCTURAL ENGINEERING DIVISION

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

To,

Divisional Forest Officer
Kasur Forest Division
At Changa Manga
(Construction of Boundary Wall at Changa Manga Rest House.)

Reference # CED/TFL **5254** (Dr. M Kashif) Dated: 13-06-2024
Reference of the request letter # 1267/AC Dated: 12-06-2024

Tension Test Report (Page -1/1)

Date of Test 21-06-2024
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	0.387	3	0.380	0.11	0.114	3900	4800	78200	75630	96200	93100	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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:
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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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Pakistan. Ph: 92-42-99029202

To,

M/S M.R Traders
Lahore

Reference # CED/TFL **5255** (Dr. M Kashif) Dated: 13-06-2024
Reference of the request letter # Nil Dated: 13-06-2024

Tension Test Report (Page – 1/1)

Date of Test 21-06-2024
Gauge length 8 inches
Description Wire Tensile Test

Sr. No.	Weight	Diameter/ size		Area (mm^2)		Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(kg/m)	Nominal (mm)	Actual (mm)	Nominal	Actual	(kg)	(kg)	(MPa)	(MPa)	(inch)		
1	0.063	--------	3.19	--------	8.0	--------	240	--------	295	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test												
Bend Test												

I/C Testing Laboratoires
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Pakistan. Ph: 92-42-99029202

To,

Project Manager
Unicon Consulting Services (Pvt) Ltd.
Construction of Bank of Punjab Building at C Block, Model Town, Lahore.

Reference # CED/TFL **5256** (Dr. M Kashif) Dated: 13-06-2024
Reference of the request letter # Nil Dated: 10-06-2024

Tension Test Report (Page -1/1)

Date of Test 21-06-2024
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	0.355	3	0.364	0.11	0.104	3300	5100	66200	69800	102200	107900	1.00	12.5	
2	0.356	3	0.365	0.11	0.105	3200	5100	64200	67460	102200	107600	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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Pakistan. Ph: 92-42-99029202

To,

M/S Style Textile (Pvt) Ltd.
Quaid-e-Azam Industrial Estate, Lahore
(Style SAP)

Reference # CED/TFL **5261** (Dr. M Kashif) Dated: 14-06-2024
Reference of the request letter # Nil Dated: 13-02-2024

Tension Test Report (Page -1/2)

Date of Test 21-06-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615 (Naveena 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	0.413	10	9.99	0.12	0.121	4700	5500	86347	85290	101044	99900	0.80	10.0	
2	0.409	10	9.94	0.12	0.120	4600	5400	84510	84290	99207	99000	0.80	10.0	
3	0.408	10	9.93	0.12	0.120	4900	5700	90021	90030	104719	104800	0.70	8.8	
4	0.423	10	10.10	0.12	0.124	4600	5500	84510	81630	101044	97600	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180º is Satisfactory														
10mm Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

M/S Style Textile (Pvt) Ltd.
Quaid-e-Azam Industrial Estate, Lahore
(Style SAP, ASE.)

Reference # CED/TFL **5261** (Dr. M Kashif) Dated: 14-06-2024
Reference of the request letter # Nil Dated: 13-02-2024

Tension Test Report (Page -2/2)

Date of Test 21-06-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615 (Naveena 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	0.419	10	10.05	0.12	0.123	4600	5800	84510	82400	106556	103900	1.00	12.5	
2	0.420	10	10.07	0.12	0.123	4600	5800	84510	82130	106556	103600	0.90	11.3	
3	0.416	10	10.02	0.12	0.122	4700	5500	86347	84760	101044	99200	1.00	12.5	
4	0.414	10	10.00	0.12	0.122	4600	5500	84510	83290	101044	99600	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180º is Satisfactory														
10mm Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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