STRUCTURAL ENGINEERING DIVISION

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

To,

101 Engr Bn
Khun Rabees
Sheikhupura Camp C/O
Sigcen (FWO) Chaklala
(New Construction of Junior Block (FFMHS) Sheikhupura.)

Reference # CED/TFL **5614** (Dr. M Kashif) Dated: 04-09-2024
Reference of the request letter # 607/FMHS/P/02 Dated: 29-07-2024

Tension Test Report (Page -1/1)

Date of Test 06-09-2024
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	0.372	3	0.373	0.11	0.109	3300	5100	66200	66460	102200	102700	1.00	12.5	Siraj Steel
2	0.418	3	0.395	0.11	0.123	3400	5100	68200	61060	102200	91600	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 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

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To,

Manager Civil
Nishat Mills Limited
Dyeing & Finishing Plant, Lahore

Reference # CED/TFL **5623** (Dr. M Kashif) Dated: 05-09-2024
Reference of the request letter # NDF/ST/001 Dated: 28-08-2024

Tension Test Report (Page -1/1)

Date of Test 06-09-2024
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	0.400	10	9.83	0.12	0.118	4200	5200	77161	78720	95533	97500	1.00	12.5	Premier Steel
2	0.411	10	9.96	0.12	0.121	4100	5100	75324	74860	93696	93200	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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.

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University of Engineering and Technology Lahore, 54890
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To,

Director
Design Spot
KFC Mughal Pura Lahore.

Reference # CED/TFL **5624** (Dr. M KAshif) Dated: 05-09-2024
Reference of the request letter # Nil Dated: 05-09-2024

Tension Test Report (Page -1/1)

Date of Test 06-09-2024
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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.368	3/8	0.371	0.11	0.108	3700	4800	74200	75350	96200	97800	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

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Test Floor Laboratory
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Pakistan. Ph: 92-42-99029202

To,

Senior Estate Engineer
Sundar Industrial Estate
Lahore
"Development of Tube well no. 7 and Rehabilitation OHR-1."

Reference # CED/TFL **5625** (Dr. M Kashif) Dated: 05-09-2024
Reference of the request letter # BOM/SIE/BCD 9-24/601 Dated: 04-09-2024

Tension Test Report (Page -1/1)

Date of Test 06-09-2024
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	0.378	10	9.56	0.12	0.111	3400	4900	62464	67420	90021	97200	1.20	15.0	Ittefaq Steel
2	0.368	10	9.42	0.12	0.108	3200	4800	58789	65240	88184	97900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

M/S Amanah Noor Residence
Wapda Town, Lahore

Reference # CED/TFL **5630** (Dr. M kashif) Dated: 06-09-2024
Reference of the request letter # Nil Dated: 06-09-2024

Tension Test Report (Page -1/1)

Date of Test 06-09-2024
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	0.370	3	0.372	0.11	0.109	3200	4900	64200	64850	98200	99300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

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