



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

To,

Senior Resident Engineer
 NESPAK
 Punjab Intermediate Cities Improvement Program (PICIIP) Consultancy Services for
 Engineering, Procurement and Construction Management.
 (Construction of Waste Water Treatment Plant (WWTP) in North Zone Sialkot.

Reference # CED/TFL **2570** (Dr. M Kashif)

Dated: 05-01-2023

Reference of the request letter # Nespak/SA/UET/035

Dated: 02-01-2023

Tension Test Report (Page -1/1)

Date of Test 06-01-2023

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	0.371	0.11	0.108	3500	4600	70200	71450	92200	93900	1.30	16.3	FF Steel
2	0.366	3	0.370	0.11	0.108	3400	4500	68200	69700	90200	92300	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° 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,

M/S Salman Developers
Lahore
(Park House Apartment)

Reference # CED/TFL 2573 (Dr. M Kashif)
Reference of the request letter # Nil

Dated: 05-01-2023
Dated: 05-01-2023

Tension Test Report (Page -1/1)

Date of Test 06-01-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.443	3/8	0.407	0.11	0.130	3700	5700	74200	62670	114300	96600	1.30	16.3	
2	0.426	3/8	0.399	0.11	0.125	3600	5300	72200	63410	106200	93400	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8 Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

M/S Arshad Mehmood Warsi
 Dream Gardens Wazirabad
 Dream Gardens, Daska Road Wazirabad
 Site Store, 234 & 243 Ph-1 Project, DGL.

Reference # CED/TFL **2575** (Dr. M Kashif)
 Reference of the request letter # Nil

Dated: 05-01-2023
 Dated: 05-01-2023

Tension Test Report (Page -1/1)

Date of Test 06-01-2023
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.375	3	0.375	0.11	0.110	3500	5000	70200	69920	100200	99900	1.20	15.0	
2	0.376	3	0.375	0.11	0.110	3500	5000	70200	69880	100200	99900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
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To,

Resident Engineer
Master Consulting Engineers (Pvt) Ltd.
"Up-Gradation of D.H.Q Hospital Hafizabad (Group No. 1)

Reference # CED/TFL 2576 (Dr. M Kashif)

Dated: 05-01-2023

Reference of the request letter # MCE/DHQ Hafizabad/22/10

Dated: 28-12-2022

Tension Test Report (Page -1/1)

Date of Test 06-01-2023

Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.369	3/8	0.372	0.11	0.109	3400	4700	68200	69020	94200	95500	1.50	18.8	
2	0.370	3/8	0.372	0.11	0.109	3500	4800	70200	70940	96200	97300	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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