



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

To,
 Senior Site Inspector
 Designmen Consulting Engineers (Pvt) Ltd.
 Construction site of AIOU Regional Office Sheikhupura.

Reference # CED/TFL **5152** (Dr. Rizwan Azam) Dated: 29-05-2024
 Reference of the request letter # P-348/2022/AIOU-SKP/LAB/17-A Dated: 27-05-2024

Tension Test Report (Page -1/1)

Date of Test 30-05-2024
 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	0.362	3	0.368	0.11	0.106	3400	4500	68200	70450	90200	93300	1.10	13.8	
2	0.359	3	0.367	0.11	0.106	3200	4400	64200	66830	88200	91900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
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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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To,

GM
Professional Construction Services (Pvt) Ltd
TCF Secondary School Basti Arain Tehsil Ahmedpur Bahawalpur.

Reference # CED/TFL **5154** (Dr. Rizwan Azam)
Reference of the request letter # POCS/24/Eng-037-A

Dated: 29-05-2024
Dated: 29-05-2024

Tension Test Report (Page -1/1)

Date of Test 30-05-2024
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	0.378	3	0.376	0.11	0.111	4200	5200	84200	83280	104200	103100	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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To,
 M/S The First Brick (Pvt Smc) Ltd.
 Lahore
 (Ravi Business Center.)

Reference # CED/TFL **5155** (Dr. Rizwan Azam)
 Reference of the request letter # St/010/24

Dated: 29-05-2024
 Dated: 29-05-2024

Tension Test Report (Page -1/1)

Date of Test 30-05-2024
 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	0.362	3	0.368	0.11	0.106	3500	4800	70200	72590	96200	99600	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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.

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To,

Office Engineer
Geo Drillers Engineering
Addition / Alteration Maternal New Born & Child Health Centre (MNCH), 108 – People
Colony Faisalabad.

Reference # CED/TFL **5157** (Dr. Rizwan Azam)
Reference of the request letter # CDE/UET/037

Dated: 29-05-2024
Dated: 29-05-2024

Tension Test Report (Page -1/1)

Date of Test 30-05-2024
Gauge length 8 inches
Description 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	0.340	3	0.357	0.11	0.100	2200	2600	44100	48480	52100	57300	0.90	11.3	
2	0.361	3	0.367	0.11	0.106	2400	3000	48100	49900	60200	62400	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
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To,

M/S Muhammad Construction Company
Nathuwala Chak No. 180 R.B, Tehsil Shahkot, District Nankana Sahib
(Inverter Rooms (Solar Project) SFL-3, Sapphire Fibres Uf # 03)

Reference # CED/TFL **5161** (Dr. Rizwan Azam)

Dated: 30-05-2024

Reference of the request letter # Nil

Dated: 30-05-2024

Tension Test Report (Page -1/1)

Date of Test 30-05-2024

Gauge length 8 inches

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

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		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	0.368	10	9.42	0.12	0.108	3700	4800	67975	75490	88184	98000	1.20	15.0	
2	0.365	10	9.39	0.12	0.107	3600	4800	66138	73920	88184	98600	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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