



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
Imperium Developers
Construction of Sixty6 at Gulberg-III, Lahore

Reference # CED/TFL 3273 (Dr. Rizwan Azam)
Reference of the request letter # IMP/66/04/75

Dated: 24-05-2023
Dated: 24-05-2023

Tension Test Report (Page -1/1)

Date of Test 29-05-2023
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	0.367	3	0.371	0.11	0.108	3800	4900	76200	77660	98200	100200	1.10	13.8	
2	0.370	3	0.372	0.11	0.109	3800	4900	76200	77060	98200	99400	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

Witness by Husnain Imran (Site Engr. Imperium Developers)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

M/S XIAMEN - PAK
Engineering – Construction – Trade
Taxila

Reference # CED/TFL **3290** (Dr. Rizwan Azam)
Reference of the request letter # XP-2023-1018

Dated: 26-05-2023
Dated: 22-05-2023

Tension Test Report (Page – 1/1)

Date of Test 29-05-2023
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	11	0.47	7900	
2	20	1.53	24500	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only two samples for Test				

I/C Testing Laboratories
UET Lahore, Pakistan.

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To,
M/S S.P. Nizam-ud-Din & Co.
Lahore

Reference # CED/TFL **3291** (Dr. Rizwan Azam)
Reference of the request letter # 090

Dated: 26-05-2023
Dated: 26-05-2023

Tension Test Report (Page – 1/1)
Date of Test 29-05-2023
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	12	0.54	8200	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for Test				

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UET Lahore, Pakistan.

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To,

Sub Divisional Officer
 Highway Sub Division
 Khanpur

(Widening / Improvement and Construction of Mettalled Road from BTM Cotton Factory to Pakistan Chowk via Luda Phatak Length: 6.80 km District Rahim Yar Khan (Part-B Length 3.10 km)

Reference # CED/TFL **3293** (Dr. Rizwan Azam)

Dated: 26-05-2023

Reference of the request letter # 1345

Dated: 14-03-2023

Tension Test Report (Page -1/1)

Date of Test 29-05-2023

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	0.377	3/8	0.376	0.11	0.111	4700	5600	94200	93420	112300	111300	1.00	12.5	
2	0.377	3/8	0.376	0.11	0.111	4600	5500	92200	91470	110200	109400	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 Aziz Industries
 Sheikhpura

Reference # CED/TFL **3296** (Dr. Rizwan Azam)
 Reference of the request letter # Nil

Dated: 26-05-2023
 Dated: 26-03-2023

Tension Test Report (Page -1/1)

Date of Test 29-05-2023
 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	0.378	3/8	0.376	0.11	0.111	3100	4700	62200	61580	94200	93400	1.50	18.8	
2	0.363	3/8	0.369	0.11	0.107	3200	4800	64200	66020	96200	99100	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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To,

Sr. A/C & Admin Manager
Qube
P&D Private Limited
Faisalabad

Reference # CED/TFL **3299** (Dr. M Kashif)
Reference of the request letter # Nil

Dated: 29-05-2023
Dated: 29-05-2023

Tension Test Report (Page -1/1)

Date of Test 29-05-2023
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	0.365	3	0.369	0.11	0.107	3300	5100	66200	67880	102200	104900	1.00	12.5	
2	0.366	3	0.370	0.11	0.108	3500	5100	70200	71630	102200	104400	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														

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