



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

To,
Deputy Project Manager
Proj Mgmt Unit Chaman
CAREC-RIBS Chaman BCF Project – Alla Assigned Packages
(FBR)(CSC)(NLC)

Reference # CED/TFL **35713** (Dr. Waseem Abbas)
Reference of the request letter # 607/NLC/CAMEOS/Lab/0006

Dated: 07-12-2020

Dated: 04-12-2020

Tension Test Report (Page – 1/1)

Date of Test 08-12-2020
Gauge length -----
Description Barbed Wire & Razor Wire Fence Tensile Test

Sr. No.	Diameter of Wire	Breaking Load		Remarks
	(mm)	(kg)	(kN)	
1	2.70	360	3.53	Barbed Wire
2	2.70	360	3.53	
3	3.00	240	2.35	Razor Wire
4	3.00	240	2.35	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only Four Samples for Test				

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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



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To,
 Umair Ahmed
 Construction Manager
 Sabcon Associate Private Limited
 29-D Gulberg, Lagore

Reference # CED/TFL **35716** (Dr. M Yousaf)
 Reference of the request letter # Nil

Dated: 08-12-2020
 Dated: 08-12-2020

Tension Test Report (Page -1/1)

Date of Test 08-12-2020

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	0.376	3	0.375	0.11	0.111	3500	4900	70200	69730	98200	97700	1.40	17.5	
2	0.377	3	0.376	0.11	0.111	3500	4850	70200	69660	97200	96600	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

Witness by Umair Ahmed (Construction Manager Sabcon Associate Private Limited)

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To,
 Project Manager
 Dupak Properties (Pvt) Ltd
 Defence view Apartments at Shanghai Road, Lahore

Reference # CED/TFL **35720** (Dr. Waseem Abbass)
 Reference of the request letter # Dupak/DVA/055

Dated: 08-12-2020
 Dated: 08-12-2020

Tension Test Report (Page -1/1)

Date of Test 08-12-2020
 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	0.372	3	0.373	0.11	0.109	3200	4700	64200	64470	94200	94700	1.50	18.8	
2	0.373	3	0.374	0.11	0.110	3200	4700	64200	64280	94200	94500	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
 Resident Engineer
 Orbit Housing
 The Springs, Apartment, Lahore

Reference # CED/TFL **35724** (Dr. Waseem Abbass)
 Reference of the request letter # Nil

Dated: 08-12-2020
 Dated: 08-12-2020

Tension Test Report (Page -1/1)

Date of Test 08-12-2020
 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	0.368	3	0.371	0.11	0.108	2900	4400	58200	59070	88200	89700	1.50	18.8	
2	0.369	3	0.372	0.11	0.109	2800	4400	56200	56830	88200	89300	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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