

To,

Mr. Farhan Tariq Khan (Project Manager)
The First Brick (SMC-PVT) Ltd.
Ravi Business Centre

Reference # CED/TFL 7562 (Dr. Rizwan Azam)
Reference of the request letter # TFB/Rep-010

Dated: 29-09-2025

Dated: 24-09-2025

Tension Test Report (Page-1/1)

Date of Test 28-10-2025

Gauge Length 8 inches

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

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (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			
1	0.418	3	0.395	0.110	0.1228	3000	4200	60109	53854	84153	75395	1.5	18.8	(TFB-ST-01)
2	0.408	3	0.391	0.110	0.12	2900	4100	58105	53264	82149	75304	1.4	17.5	(TFB-ST-01)
3	0.383	3	0.379	0.110	0.1126	3400	5200	68124	66570	104189	101813	1.5	18.8	(TFB-AZ-02)
4	0.383	3	0.379	0.110	0.1127	3400	5200	68124	66518	104189	101733	1.4	17.5	(TFB-AZ-02)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 4 Samples for Tensile and 2 Samples for Bend test

Bend Test	
# 3 Bar Bend Test Through 180 Degree is Satisfactory	
# 3 Bar Bend Test Through 180 Degree is Satisfactory	

Test Performed and Verified by:

To,

Mr. Muhammad Wasim Khan
M/S Pakistan Wire Industries (Pvt) Limited
Karachi

Reference # CED/TFL **7664** (Dr. Rizwan Azam)
Reference of the request letter # WRD/010

Dated: 20-10-2025
Dated: 20-10-2025

Tension Test Report (Page – 1/2)

Date of Test 28-10-2025

Description Steel Wire Rope (UG H/C) Tensile Test

Sr. No.	Nominal Diameter	Measured weight			Breaking Load	Remarks / Coil No.
	(mm)	Weight (g)	Length (cm)	(kg/m)	(kg)	
1	12 (6*19)	576	111.8	0.52	8500	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
Only one sample for test						
-	-	-	-	-	-	-

Witness by Muhammad Wasim Khan (Pakistan Wire Industries)

Test Performed and Verified by:

To,

Mr. Muhammad Wasim Khan
M/S Pakistan Wire Industries (Pvt) Limited
Karachi

Reference # CED/TFL **7664** (Dr. Rizwan Azam)
Reference of the request letter # WRD/011

Dated: 20-10-2025
Dated: 20-10-2025

Tension Test Report (Page – 2/2)

Date of Test 02-10-2025

Description Steel Wire Rope (UG H/C) Tensile Test

Sr. No.	Nominal Diameter	Measured weight			Breaking Load	Remarks / Coil No.
	(mm)	Weight (g)	Length (cm)	(kg/m)	(kg)	
1	14 (6*19)	787	112.7	0.70	10800	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
Only one sample for test						
-	-	-	-	-	-	-

Witness by Muhammad Wasim Khan (Pakistan Wire Industries)

Test Performed and Verified by:

To,
KIM Technologies and Engineering Services

Reference # CED/TFL **7690** (Dr. Safer Abbas)
Reference of the request letter # Nil

Dated: 27-10-2025
Dated: 26-10-2025

D-Shackle Strength Report (Page – 1/1)

Date of Test 28-10-2025
Description D-Shackle Test for Breaking Load

Two D-Shackle samples are tested in tension for Breaking Load. The results are tabulated as follows:

Sr. No.	Description	Breaking Load (Kg)	Remarks
1	D-Shackle (8.5 Ton)	41,000	-
2	D-Shackle (6.5 Ton)	39,000	-
-	-	-	-
Only two samples for test			

Witness by: Mr. Yaseen

Test Performed and Verified by:

To,

Engr. Abdul Hayee (Project Manager)
HS Ideal Tower
Construction of Ideal Tower Bahria Town Lahore

Reference # CED/TFL 7693 (Dr. Rizwan Azam)
Reference of the request letter # HSIT/21

Dated: 27-10-2025

Dated: 27-10-2025

Tension Test Report (Page-1/1)

Date of Test 28-10-2025

Gauge Length 8 inches

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

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (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			
1	0.372	3	0.373	0.110	0.1093	3700	5100	74135	74608	102185	102838	1	12.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 1 Samples for Tensile and 1 Samples for Bend test

Bend Test	
# 3 Bar Bend Test Through 180 Degree is Satisfactory	

Test Performed and Verified by: