

To,

Mr. Khadim Hussain  
Apex Construction & Co.  
83-E-1 Commercial Building Gulberg Lahore

Reference # CED/TFL 6847 (Dr. Rizwan Azam)  
Reference of the request letter # Nil

Dated: 21-04-2025  
Dated: 21-04-2025

### Tension Test Report (Page-1/1)

Date of Test 22-04-2025

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 <sup>2</sup> )		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.366	3	0.370	0.110	0.108	31.70	48.20	64760	66254	98468	100739	1.1	13.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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:

To,

Mohsin Abbas (QAQC Manager)

Zameen Development

Construction of JADE Project by Zameen Development, Lahore Pakistan

(Heat # 1839 & H-1846)

Reference # CED/TFL

**6848** (Dr. Rizwan Azam)

Dated: 21-04-2025

Reference of the request letter #

ZD/QAQC/AM-DC13260/JADE/11

Dated: 21-04-2025

### Tension Test Report

(Page-1/1)

Date of Test 22-04-2025

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 <sup>2</sup> )		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.365	3	0.370	0.110	0.107	33.50	46.70	68437	70130	95403	97763	1.4	17.5	H-1839
2	0.367	3	0.370	0.110	0.108	33.70	46.70	68846	70319	95403	97445	1.3	16.3	H-1839
3	0.365	3	0.369	0.110	0.107	33.5	46.7	68437	70225	95403	97896	1.5	18.8	H-1846
4	0.366	3	0.370	0.110	0.108	33.2	46.7	67824	69370	95403	97578	1.1	13.8	H-1846
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,  
 Muhammad Tahir Nazeer (Deputy Manager Civil)  
 Nishat Denim  
 Construction of Store Building (Compressor/Chiller) & 2nd Floor Finish Godown at Bhikki Sheikhpura  
 (Batala Gold Steel)

Reference # CED/TFL 6851 (Dr. Rizwan Azam) Dated: 22-04-2025  
 Reference of the request letter # NDM/ST/25-002 Dated: 21-04-2025

### Tension Test Report (Page-1/1)

Date of Test 22-04-2025  
 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 <sup>2</sup> )		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.398	3	0.386	0.110	0.117	36.20	55.70	73953	69553	113790	107020	1.1	13.8	10mm
2	0.402	3	0.388	0.110	0.118	37.50	56.70	76609	71348	115832	107878	1.3	16.3	10mm
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 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:

Ref: CED/TFL/04/6852

Dated: 22-04-2025

Dated of Test: 22-04-2025

To

**Engr. Javed Asad**  
**Chief Resident Engineer**  
**Project Implementation Consultants (PICs)**  
**Construction of PID Staff Complex at Khewra, Tehsil Pind Dadan Khan, District**  
**Jhelum- Contract No. JIP/WKS/NCB-01**

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76]**

Reference to your letter no: JIPIC/TECH/CRE/P3/514 on dated 21.04.2025

on the subject cited above. Two R.C.C. Pipes as received by us has been tested. The results are tabulated as under.

Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(inch)	(inch)	(inch)	(kg)	(kg)	Lbs/Linear foot/foot	Lbs/Linear foot/foot
1	12	7.76	7.10	16.10	12.40	1.85	8100	11300	2434	3396
2	12	7.78	7.01	16.00	12.78	1.61	7700	11000	2274	3249

Witness by: Usman Tahir (Assistant Office Manager, CNIC# 35201-9701521-5)

Test Performed and Verified by: