

To,
Sub Divisional Officer
Buildinds Sub Division No. 02 Lahore
Chief Miniser Wildlife Rescue Force at Safari Zoo Lahore (ADP No. 3272/2024-2025)

Reference # CED/TFL
Reference of the request letter #

7217 (Dr. Usman Akmal)
118/2nd

Dated: 14-07-2025
Dated: 25-05-2025

Tension Test Report
Date of Test
Gauge Length
Description

(Page-1/1)
16-07-2025
8 inches
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.389	3	0.381	0.110	0.114	36.20	48.20	73953	71175	98468	94769	1.5	18.8	-
2	0.369	3	0.372	0.110	0.108	34.50	45.70	70480	71473	93361	94676	1.2	15.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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:

To,
 Chief Executive Officer
 Landmark Developers
 Construction of the Oasis Grand 14

Reference # CED/TFL 7218 (Dr. Usman Akmal)
 Reference of the request letter # Nil

Dated: 14-07-2025
 Dated: 13-07-2025

Tension Test Report (Page-1/2)

Date of Test 16-07-2025
 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 (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.370	3	0.372	0.110	0.109	33.50	51.50	68437	69219	105209	106411	1.0	12.5	-
2	0.367	3	0.371	0.110	0.108	33.70	51.20	68846	70146	104597	106572	1.3	16.3	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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:

To,
 Chief Executive Officer
 Landmark Developers
 Construction of the Grand X

Reference # CED/TFL 7218 (Dr. Usman Akmal)
 Reference of the request letter # Nil

Dated: 14-07-2025
 Dated: 08-07-2025

Tension Test Report (Page-2/2)

Date of Test 16-07-2025
 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 (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.368	3	0.371	0.110	0.108	30.00	43.00	61287	62323	87845	89330	1.5	18.8	-
2	0.370	3	0.372	0.110	0.109	29.70	43.50	60674	61348	88866	89854	1.4	17.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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:

To,

Engr. Sheikh Maqbool Hassan (Resident Engineer)

Nespak (Pvt.) Ltd.

Construction of Metalled Road From Manak Road to Behria Road to Wapda Society Road Allama Iqbal Zone

Reference # CED/TFL 7220 (Dr. Usman Akmal)

Dated: 14-07-2025

Reference of the request letter # RE/4084/04/MH/321

Dated: 14-07-2025

Tension Test Report (Page-1/1)

Date of Test 15-07-2025

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 (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.356	3	0.365	0.110	0.105	34.50	43.00	70480	74114	87845	92374	1.2	15.0	-
2	0.355	3	0.365	0.110	0.104	37.50	46.00	76609	80673	93973	98959	0.9	11.3	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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:

To,
 Mr. Abdul Basset (Material Engineer)
 Banu Mukhtar Contracting (Pvt.) Ltd.
 Burj-1 by Ajwa Builders

Reference # CED/TFL 7221 (Dr. Usman Akmal)
 Reference of the request letter # DOC-BMC/AJWA/161

Dated: 14-07-2025
 Dated: 14-07-2025

Tension Test Report (Page-1/1)

Date of Test 16-07-2025
 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 (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.371	3	0.373	0.110	0.109	34.50	46.00	70480	71139	93973	94852	1.1	13.8	-
2	0.369	3	0.372	0.110	0.108	35.00	45.70	71502	72523	93361	94694	1.0	12.5	-
3	0.372	3	0.373	0.110	0.109	35.2	46.5	71910	72437	94995	95691	1.1	13.8	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 3 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,
M/s AJ Contractor
Engro Enfra Share Site ID: 44319 (EC1-FAS-09347)
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Reference # CED/TFL 7222 (Dr. Usman Akmal) Dated: 15-07-2025
Reference of the request letter # AJContractot/Steel/Engro/25 Dated: 10-07-2025

Tension Test Report (Page-1/1)

Date of Test 16-07-2025
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 (mm)	Actual Diameter (inch)	Area (in ²)		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.379	10	0.376	0.120	0.111	35.50	52.00	66479	71724	97378	105060	0.8	10.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Engr. Abdullah (P&C Engineer)
Ittefaq Building Solutions (Pvt.) Ltd.
A.M International Raiwind Road, Lahore
(Kamran Steel)

Reference # CED/TFL 7223 (Dr. Usman Akmal)
Reference of the request letter # Nil

Dated: 15-07-2025
Dated: 15-07-2025

Tension Test Report (Page-1/1)

Date of Test 16-07-2025
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 (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.380	3	0.377	0.110	0.112	39.00	51.00	79673	78574	104188	102751	1.2	15.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Resident Engineer
Dynamics Engineering Consultants
Lahore Garrison Sports Complex-Multi Purpose Hall and Squash Complex
Sheikhoo Steel

Reference # CED/TFL 7224 (Dr. Usman Akmal)
Reference of the request letter # CANTT/UET/MPH/T-01

Dated: 15-07-2025
Dated: 15-07-2025

Tension Test Report (Page-1/1)

Date of Test 16-07-2025
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 (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.371	3	0.372	0.110	0.109	38.70	48.00	79060	79832	98059	99016	1.0	12.5	-
2	0.370	3	0.372	0.110	0.109	37.20	47.20	75996	76934	96425	97615	1.1	13.8	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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:

To,

Engr. Shahzad Khurram (Chief Resident Engineer)

Osmani & Company (Pvt.) Ltd.

Construction of 2 x Lift Stations and Roads Lane-24 at Allama Iqbal Industrial City, Near Sahianwala Interchange M-4 Motorway, Faisalabad (Procurement No. AIIC-014) (Kamran Steel)

Reference # CED/TFL 7225 (Dr. Usman Akmal)

Dated: 15-07-2025

Reference of the request letter # CRE/AIIC/AIIC-014/Lab/1129

Dated: 11-07-2025

Tension Test Report (Page-1/1)

Date of Test 16-07-2025

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 (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.361	3	0.367	0.110	0.106	34.00	47.00	69459	72036	96016	99580	1.3	16.3	-
2	0.373	3	0.374	0.110	0.11	36.70	49.20	74974	75207	100511	100823	1.1	13.8	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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: