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

To,

Resident Engineer
NEOC, NDMA
Islamabad

Reference # CED/TFL **3031** (Dr. Rizwan Riaz) Dated: 31-03-2023
Reference of the request letter # ACES-NEOC-NLC-004 Dated: 31-03-2023

Tension Test Report (Page – 1/1)

Date of Test 04-04-2023
Gauge length 2 inches
Description MS Sheet Steel Strip Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm^2)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	10	27.70x9.80	271.46	8500	12600	307	455	0.80	40.00	
2	8	27.70x7.70	213.29	10500	13200	483	607	0.70	35.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile Test										
Bend Test										

I/C Testing Laboratoires
UET Lahore, Pakistan.

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

STRUCTURAL ENGINEERING DIVISION

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

To,

GM
Professional Construction Services (Pvt) Ltd.
Construction Faculty Apartment -8 at LUMS Lahore

Reference # CED/TFL **3036** (Dr. M Rizwan Riaz) Dated: 03-04-2023
Reference of the request letter # PCS/22/Eng-23-A Dated: 03-04-2023

Tension Test Report (Page -1/1)

Date of Test 04-04-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.374	3	0.374	0.11	0.110	3700	4700	74200	74130	94200	94200	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Sub Divisional Officer
Buildings Sub Division
Narowal
(Provision of Missing Facilities in Newly Constructed Circuit House Narowal)

Reference # CED/TFL **3037** (Dr. M Rizwan Riaz) Dated: 03-04-2023
Reference of the request letter # 33/NL 1 Dated: 03-04-2023

Tension Test Report (Page -1/1)

Date of Test 04-04-2023
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	0.373	3/8	0.373	0.11	0.110	3700	4700	74200	74430	94200	94600	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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STRUCTURAL ENGINEERING DIVISION

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

To,

Chairman
Eagle Group
City Galleria. CITI Housing Gujranwala

Reference # CED/TFL **3039** (Dr. M Rizwan Riaz) Dated: 03-04-2023
Reference of the request letter # Nil Dated: 01-04-2023

Tension Test Report (Page -1/2)

Date of Test 04-04-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.363	3	0.369	0.11	0.107	4100	5100	82200	84710	102200	105400	0.60	7.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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Pakistan. Ph: 92-42-99029202

To,

Chairman
Eagle Group
City Galleria. CITI Housing Gujranwala

Reference # CED/TFL **3039** (Dr. M Rizwan Riaz) Dated: 03-04-2023
Reference of the request letter # Nil Dated: 01-04-2023

Tension Test Report (Page -2/2)

Date of Test 04-04-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.371	3	0.373	0.11	0.109	3300	5100	66200	66620	102200	103000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION

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

To,

Engineer Representative
Osmani & Company (Pvt) Ltd.
Construction of Greenfield Aerodrome for General Aviation Activities at Muridke

Reference # CED/TFL **3040** (Dr. M Rizwan Riazf Dated: 04-04-2023
Reference of the request letter # OCL/CAA/MAD-ER/03-2K23/41 Dated: 29-03-2023

Tension Test Report (Page -1/1)

Date of Test 04-04-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		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	0.375	3	0.374	0.11	0.110	3600	5300	72200	72080	106200	106200	1.30	16.3	Ravi Steel
2	0.399	3	0.387	0.11	0.117	3300	5000	66200	61970	100200	93900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION

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

To,

Resident Engineer
New Vision Engineering Consultant
Strengthening, Infrastructure and Acaademic Programs of Government College Women University Sialkot. Construction of Faculty Natural Sciences Block (First Floor) Group - 01

Reference # CED/TFL **3041** (Dr. Rizwan Riaz) Dated: 04-04-2023
Reference of the request letter# NVEC/GCWUS/C-05 Dated: 03-03-2023

Tension Test Report (Page -1/1)

Date of Test 04-04-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		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	0.375	10	9.51	0.12	0.110	3400	5200	62464	68050	95533	104100	1.10	13.8	
2	0.374	10	9.50	0.12	0.110	3400	5200	62464	68250	95533	104400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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STRUCTURAL ENGINEERING DIVISION

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Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

AGM Projects,
IZHAR CONSTRUCTION (PVT). LTD.
Construction of Dolmen Shopping Mall DHA Lahore

Reference # CED/TFL **3043** (Dr. Rizwan Riaz) Dated: 04-04-2023
Reference of the request letter# ICPL/CONST-DML/21/371 Dated: 04-04-2023

Tension Test Report (Page -1/1)

Date of Test 04-04-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		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	0.376	10	9.53	0.12	0.111	3200	5000	58789	63740	91858	99600	1.00	12.5	Ittafaq Steel
2	0.370	10	9.45	0.12	0.109	3200	4900	58789	64830	90021	99300	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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STRUCTURAL ENGINEERING DIVISION

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University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

Ref: CED/TFL/04/3045 Dated: 04-04-2023

Dated of Test: 04-04-2022

To

M/s National Technocommercial Services (Private) Limited
Lahore

Subject: **- BREAKING LOAD TEST OF LUG MK 59 (NTS with Harding)**
(Page # 1/2)

Reference to your Letter No. NTS/DC-Lug.Sample59/1/DC/23, dated: 04/04/2023, on the subject cited above. One Lug (dia 44 mm, Length 66.5mm) with assembly as received by us has been tested. The results are shown below:

Breaking Load : 15400 kg

Remarks : Collar / Hook failure

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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STRUCTURAL ENGINEERING DIVISION

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Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

Ref: CED/TFL/04/3045 Dated: 04-04-2023

Dated of Test: 04-04-2022

To

M/s National Technocommercial Services (Private) Limited
Lahore

Subject: **- BREAKING LOAD TEST OF LUG MK 43ATR (NTS with Harding)**
(Page # 2/2)

Reference to your Letter No. NTS/DC-Lug.Sample 43A/1/23, dated: 04/04/2023, on the subject cited above. One Lug (dia 44 mm, Length 59mm) with assembly as received by us has been tested. The results are shown below:

Breaking Load : 14800 kg

Remarks : Collar / Hook failure

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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