



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

To,
 Campus Engineer
 GC University, Lahore
 Construction of Vice Chancellor's Residence at GCU, Lahore

Reference # CED/TFL **36281** (Dr. Ali Ahmed)
 Reference of the request letter # GCU/Engr/2096/P

Dated: 29-03-2021
 Dated: 25-03-2021

Tension Test Report (Page -1/1)

Date of Test 31-03-2021
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (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	Nominal	Actual			
1	0.371	3/8	0.373	0.11	0.109	3000	4500	60200	60590	90200	90900	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

- 1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
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To,
 Project Manager
 CCECC-MATRACON-HABIB Joint Venture
 Re-Construction & Up-Gradation of Main Runway (18L/36R) at Allama Iqbal International
 Airport(AIIAP), Lahore
 (PAK Steel)

Reference # CED/TFL **36282** (Dr. M Rizwan Riaz) Dated: 29-03-2021
 Reference of the request letter # AIIAP/CCECC-MATRACON-HABIB JV/2021/292 Dated: 29-03-2021

Tension Test Report (Page -1/1)

Date of Test 31-03-2021
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Heat No
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.413	10	9.99	0.12	0.122	3400	5000	62464	61680	91858	90700	1.40	17.5	7325
2	0.409	10	9.93	0.12	0.120	3300	4900	60627	60580	90021	90000	1.40	17.5	7326
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: only two samples for tensile and two samples for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														
10mm Dia Bar Bend Test Through 180° 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,
 Manager C, R & M,
 Allied Bank Limited
 1st & Second Floor Slab for Allied Bank Limited MDC Building, Khanewal Road, Multan

Reference # CED/TFL **36283** (Dr. Ali Ahmed) Dated: 30-03-2021
 Reference of the request letter # GHQ/S2/CRM/MA/2021/70 Dated: 15-03-2021

Tension Test Report (Page -1/1)

Date of Test 31-03-2021
 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	3800	4700	76200	75730	94200	93700	1.00	12.5	Amreli Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° 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
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To,
 Manager Procurement
 Ravi Construction Company
 Ware House & Expansion Works at Allied Bank Limited 18-Hazari District Jhang

Reference # CED/TFL **36284** (Dr. Ali Ahmed)
 Reference of the request letter # UET/RCC/084/21

Dated: 30-03-2021
 Dated: 29-03-2021

Tension Test Report (Page -1/1)

Date of Test 31-03-2021
 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	0.178	2	0.258	-----	0.052	1400	2000	-----	58920	-----	84200	1.00	12.5	
2	0.174	2	0.255	-----	0.051	1300	2000	-----	56010	-----	86200	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#2 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
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University of Engineering and Technology Lahore, 54890
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To,
M/S Defence Housing Authority.
Lahore Cantt
(Bal Infra Dev Works of Sector-Q Ph-VII) – (M/s DHA C)

Reference # CED/TFL **36285** (Dr. Ali Ahmed)
Reference of the request letter # 408/241/Estb/Lab/55/01/Q

Dated: 30-03-2021
Dated: 29-03-2021

Tension Test Report (Page -1/1)

Date of Test 31-03-2021
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	0.377	3	0.376	0.11	0.111	3000	4400	60200	59690	88200	87600	1.60	20.0	Saeed Kasur	
2	0.369	3	0.372	0.11	0.109	2900	4300	58200	58910	86200	87400	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															

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
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Pakistan. Ph: 92-42-99029202

To,
 Resident Engineer
 ACE (Pvt) Ltd
 Development of Sector – I, Multan

Reference # CED/TFL **36286** (Dr. Ali Ahmed)
 Reference of the request letter # RE/Sec– I/Test/02

Dated: 30-03-2021
 Dated: 27-03-2021

Tension Test Report (Page -1/1)

Date of Test 31-03-2021
 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	0.377	3	0.376	0.11	0.111	3800	4900	76200	75610	98200	97500	0.90	11.3	Mughal Steel
2	0.377	3	0.376	0.11	0.111	3800	4900	76200	75610	98200	97500	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
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To,
 M/S Defence Housing Authority.
 Lahore Cantt
 (Cost of 1-Kanal NGV at DRGCC Ph-III Club House DHA Ph-6) – (M/s Linker Developers
 (Pvt) Ltd)
 Reference # CED/TFL 36287 (Dr. Ali Ahmed) Dated: 30-03-2021
 Reference of the request letter # 408/241/E/Lab/58/40 Dated: 30-03-2021

Tension Test Report (Page -1/1)

Date of Test 31-03-2021
 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	0.362	3	0.368	0.11	0.106	3400	5500	68200	70520	110200	114100	1.10	13.8	Afco Steel
2	0.377	3	0.376	0.11	0.111	3800	4800	76200	75540	96200	95500	1.10	13.8	
3	0.377	3	0.376	0.11	0.111	3400	4400	68200	67590	88200	87500	1.20	15.0	
4	0.359	3	0.367	0.11	0.106	3400	5500	68200	70940	110200	114800	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
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Pakistan. Ph: 92-42-99029202

To,
 Resident Engineer
 Orbit Housing
 The Springs Apartment Lahore

Reference # CED/TFL **36291** (Dr. Qasim Khan)
 Reference of the request letter # Nil

Dated: 31-03-2021
 Dated: 31-03-2021

Tension Test Report (Page -1/1)

Date of Test 31-03-2021
 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	0.401	3	0.388	0.11	0.118	3600	4900	72200	67240	98200	91600	1.20	15.0	
2	0.371	3	0.373	0.11	0.109	3300	4500	66200	66630	90200	90900	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
UET Lahore, Pakistan.

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Test Floor Laboratory
Department of Civil Engineering
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To,
 Project Director
 Elite Engineering Private Limited
 Sitara Heights 3-Jays Tower, Gulberg-III, Lhaore
 (M/s Sitara Heights (Pv.) Ltd.

Reference # CED/TFL **36294** (Dr. Ali Ahmed)
 Reference of the request letter # EEPL/SH/001/001

Dated: 31-03-2021
 Dated: 31-03-2021

Tension Test Report (Page -1/1)

Date of Test 31-03-2021
 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	5000	70200	69710	100200	99600	1.00	12.5	
2	0.375	3	0.375	0.11	0.110	3400	5000	68200	67940	100200	100000	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
UET Lahore, Pakistan.

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