



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
 Asif Ali & Associates (Pvt) Ltd
 Consultancy Services for Construction Supervision of Dualization of Sheikhpura - Gujranwala
 Road Project

Reference # CED/TFL **36376 (Dr. Ali Ahmed)**
 Reference of the request letter # RE/AAA/SGRP/005

Dated: 26-04-2021
 Dated: 12-04-2021

Tension Test Report (Page -1/1)

Date of Test 28-04-2021
 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	0.405	3	0.390	0.11	0.119	3700	5350	74200	68430	107200	99000	1.00	12.5	Mughal Steel
2	0.397	3	0.385	0.11	0.117	3600	5150	72200	68070	103200	97400	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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.

Note:

- 1- You can See your reports On Internet in the following web site
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To,
 Resident Engineer
 Osmani & Company (Pvt) Ltd
 M-3 Industrial City, Faisalabad
 Design, Supply, Installation, Testing & Commissioning and Associated Civil Works for 132/11.5
 kV AIS Outdoor Substation No. 1 at Allama Iqbal Industrial City, Near Sahianwala Interchange
 M4 Motorway, Faisalabad
 Reference # CED/TFL **36380** (Dr. Ali Ahmed) Dated: 26-04-2021
 Reference of the request letter # CRE/M4IC/AIIC-GS-01Lab/119 Dated: 21-04-2021

Tension Test Report (Page -1/1)

Date of Test 28-04-2021
 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	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.419	10	10.05	0.12	0.123	3950	5350	72568	70760	98288	95900	1.00	12.5	Agha Steel
2	0.417	10	10.04	0.12	0.123	4200	5500	77161	75510	101044	98900	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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UET Lahore, Pakistan.

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To,
M/S CM Engineering (Pvt) Ltd
Lahore
(CMPAK Project Site ID: 43375, 43382, 43343, 43101, 43093, 43386, 41373, 43099, 43395, 43127, 43280, 43087)

Reference # CED/TFL **36388** (Dr. Ali Ahmed) Dated: 27-04-2021
Reference of the request letter # CME/Steel/CMPAK/351 Dated: 16-04-2021

Tension Test Report (Page -1/1)

Date of Test 28-04-2021
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	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.375	10	9.51	0.12	0.110	3200	4700	58789	64050	86347	94100	1.40	17.5	
2	0.380	10	9.58	0.12	0.112	3250	4750	59708	64050	87265	93700	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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UET Lahore, Pakistan.

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To,
M/s Style Textile
Style Manga Project

Reference # CED/TFL **36390** (Dr. Ali Ahmed)
Reference of the request letter # Nil

Dated: 27-04-2021
Dated: 27-04-2021

Tension Test Report (Page -1/1)

Date of Test 28-04-2021
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	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.427	10	10.16	0.12	0.126	4000	5500	73487	70200	101044	96600	1.10	13.8	
2	0.421	10	10.08	0.12	0.124	4000	5400	73487	71210	99207	96200	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratories
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To,
 Project Manager
 Liberty Builders
 Construction of Zee Avenue-Ramada Hotel & Suites 17-A Cooper Road, Lahore

Reference # CED/TFL 36394 (Dr. Ali Ahmed)
 Reference of the request letter # ST/UET/20210428-A

Dated: 28-04-2021
 Dated: 28-04-2021

Tension Test Report (Page -1/1)

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 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	0.370	3	0.372	0.11	0.109	3100	4700	62200	62790	94200	95200	1.60	20.0	Moiz Steel
2	0.372	3	0.373	0.11	0.109	3200	4700	64200	64540	94200	94800	1.40	17.5	
3	0.373	3	0.373	0.11	0.110	3200	4700	64200	64410	94200	94600	1.50	18.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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