



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

To,  
 M/S Beacon Impex  
 34 – km Sheikhpura Road, Faisalabad  
 (Construction of Multi Story Building for Cutting & Kntting at Beacon Impex.  
 (M/s M. Saleem Construction Company)

Reference # CED/TFL **36398** (Dr. M Rizwan Riaz)  
 Reference of the request letter # B.I/CIVIL/21-112

Dated: 29-04-2021  
 Dated: 23-04-2021

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

Date of Test 30-04-2021  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in <sup>2</sup> )		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	0.390	3	0.382	0.11	0.115	3600	5000	72200	69250	100200	96200	1.10	13.8	Kisan Steel
2	0.382	3	0.378	0.11	0.112	3600	5000	72200	70730	100200	98300	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
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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2. The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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To,  
 Project Manager  
 Unicon Consulting Services (Pvt) Ltd  
 Construction of MCB, Wahdat Road Branch, Lahore

Reference # CED/TFL **36399** (Dr. M Rizwan Riaz)  
 Reference of the request letter # Nil

Dated: 29-04-2021  
 Dated: 28-04-2021

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

Date of Test 30-04-2021  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in <sup>2</sup> )		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	0.380	3/8	0.377	0.11	0.112	3500	4700	70200	69100	94200	92800	1.20	15.0	
2	0.389	3/8	0.382	0.11	0.114	3900	5200	78200	75100	104200	100200	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile test</b>														
Bend Test														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

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To,  
M/S Salman Developers  
Lahore  
(Grand Square Mall)

Reference # CED/TFL **36400** (Dr. M Rizwan Riaz)  
Reference of the request letter # Nil

Dated: 29-04-2021  
Dated: 29-04-2021

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

Date of Test 30-04-2021  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in <sup>2</sup> )		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	0.363	3/8	0.368	0.11	0.107	3600	4700	72200	74420	94200	97200	1.00	12.5	
2	0.416	3/8	0.394	0.11	0.122	3600	4800	72200	64930	96200	86600	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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**UET Lahore, Pakistan.**

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To,  
 Project Engineer  
 SMC  
 2038 - Carrefour (M) at Hyper Box at Gujranwala

Reference # CED/TFL **36401** (Dr. M Rizwan Riaz)  
 Reference of the request letter # 2038-BOX/008/2021

Dated: 29-04-2021  
 Dated: 29-04-2021

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

Date of Test 30-04-2021  
 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 <sup>2</sup> )		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	0.379	3	0.377	0.11	0.111	4000	4900	80200	79150	98200	97000	1.00	12.5	Mughal Steel
2	0.379	3	0.377	0.11	0.111	4000	5000	80200	79150	100200	99000	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

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To,  
 Resident Engineer  
 Orbit Housing  
 The Spring Apartment Homes, Lahore

Reference # CED/TFL **36405** (Dr. M Rizwan Riaz)  
 Reference of the request letter # Nil

Dated: 30-04-2021  
 Dated: 30-04-2021

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

Date of Test 30-04-2021  
 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 <sup>2</sup> )		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	3600	5200	72200	71740	104200	103700	1.00	12.5	
2	0.373	3	0.374	0.11	0.110	3500	5100	70200	70300	102200	102500	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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To,  
 Sub Divisional Officer  
 PHE Sub Division-I, DG Khan  
 Sewerage Line for Dualization of Road from Waqar Canteen to Gaddai Chowk D.G Khan

Reference # CED/TFL **36406** (Dr. M Rizwan Riaz)  
 Reference of the request letter # 136

Dated: 30-04-2021  
 Dated: 30-03-2021

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

Date of Test 30-04-2021  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in <sup>2</sup> )		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	0.386	3/8	0.380	0.11	0.113	3100	4800	62200	60230	96200	93300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile test</b>														
Bend Test														

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