



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

To,  
 Construction Manager  
 Akhuzada Associates (Pvt) Ltd  
 Construction of 01 No. Of 3 Storey Building in Shiekhupura in Punjab Province, Pakistan

Reference # CED/TFL **35071** (Dr. Qasim Khan)  
 Reference of the request letter # AA/UNOPS/020/02

Dated: 02-07-2020  
 Dated: 02-07-2020

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

Date of Test 03-07-2020  
 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	0.367	3	0.371	0.11	0.108	3600	5100	72200	73480	102200	104100	1.10	13.8	FF Steel
2	0.368	3	0.371	0.11	0.108	3800	5200	76200	77350	104200	105900	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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  
[http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing\\_reports](http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports)
- 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,  
 Resident Engineer  
 NESPAK  
 Establishment of U.E.T Lahore Sub Campus at Narowal (Construction of Boys Hostel (Balance Works))  
 Reference # CED/TFL **35077** (Dr. Qasim Khan) Dated: 02-07-2020  
 Reference of the request letter # 3863/13/SYA/Labtesting/06 Dated: 01-07-2020

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

Date of Test 03-07-2020  
 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	0.369	3	0.372	0.11	0.109	3100	4800	62200	62930	96200	97500	1.20	15.0	Mahboob Steel	
2	0.370	3	0.372	0.11	0.109	2900	4800	58200	58790	96200	97400	1.20	15.0		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<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,  
M/S T.S.M Design Studio (Pvt) Ltd  
Lahore  
(Construction of Gerry's Dnata Cargo Export Building at Allama Iqbal International Airport  
Lahore)  
Reference # CED/TFL **35078** (Dr. Qasim Khan) Dated: 02-07-2020  
Reference of the request letter # Nil Dated: 02-07-2020

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

Date of Test 03-07-2020  
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	0.377	3	0.376	0.11	0.111	3100	5100	62200	61680	102200	101500	1.10	13.8	
2	0.377	3	0.376	0.11	0.111	3100	5000	62200	61640	100200	99500	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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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**Test Floor Laboratory**  
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**Pakistan. Ph: 92-42-99029202**

To,  
 Akhtar Rasul  
 Teem CS Arch  
 DHA, Ph-VI, Lahore

Reference # CED/TFL **35079** (Dr. Qasim Khan)  
 Reference of the request letter # Nil

Dated: 02-07-2020  
 Dated: 02-07-2020

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

Date of Test 03-07-2020  
 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	0.385	3/8	0.379	0.11	0.113	3300	5200	66200	64310	104200	101400	1.00	12.5	
2	0.380	3/8	0.377	0.11	0.112	3900	5200	78200	77050	104200	102800	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														

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

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To,  
M/S Defence Housing Authority.  
Lahore Cantt  
(Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI (M/s Construct))

Reference # CED/TFL **35080** (Dr. Safer Abbas)  
Reference of the request letter # 408/241/E/Lab/936/5332

Dated: 02-07-2020  
Dated: 02-07-2020

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

Date of Test 03-07-2020  
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	0.367	3	0.371	0.11	0.108	3300	4600	66200	67340	92200	93900	1.00	12.5	Kamran Steel
2	0.370	3	0.372	0.11	0.109	3200	4300	64200	64850	86200	87200	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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,  
M/S Defence Housing Authority.  
Lahore Cantt  
(Const of Boundary Wall R-Block, DHA Ph-9 (Prism)) (M/s JR Private)

Reference # CED/TFL **35081** (Dr. Safer Abbas)  
Reference of the request letter # 408/241/E/Lab/934

Dated: 02-07-2020  
Dated: 01-07-2020

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

Date of Test 03-07-2020  
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	0.382	3	0.378	0.11	0.112	3300	5100	66200	64760	102200	100100	1.20	15.0	Ittefaq Steel
2	0.381	3	0.378	0.11	0.112	3400	5100	68200	66910	102200	100400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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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