



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

To,
 Material Engineer
 Defence Housing Authority Multan
 Construction of DHA Shopping Mall (M/s CM Developers)

Reference # CED/TFL **35656** (Dr. M Rizwan Riaz)
 Reference of the request letter # 701/70/P&D/DHA

Dated: 19-11-2020
 Dated: 13-11-2020

Tension Test Report (Page -1/1)

Date of Test 20-11-2020
 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 ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Marks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.374	3	0.374	0.11	0.110	3100	4800	62200	62190	96200	96300	1.50	18.8	Ittefaq Steel
2	0.377	3	0.376	0.11	0.111	3100	4800	62200	61640	96200	95500	1.20	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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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- 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,
M/S Kashmir Art & Steel
Muzaffarabad

Reference # CED/TFL **35657** (Dr. M Rizwan Riaz)
Reference of the request letter # KS/CGGC-DES/MD/UET/001

Dated: 19-11-2020
Dated: 19-11-2020

Tension Test Report (Page -1/1)

Date of Test 20-11-2020
Gauge length 8 inches
Description Deformed Steel Bar Tensile 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	Marks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	4.165	32	31.71	1.25	1.224	44000	57400	77602	79230	101235	103400	1.60	20.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only one sample for tensile test														
Bend Test														

I/C Testing Laboratories
UET Lahore, Pakistan.

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To,
 Sr Engineer (Welding & NDT)
 Engineering Kinetics (Pvt) Ltd
 Mamikhail South-1 WHSF P-611

Reference # CED/TFL **35658** (Dr. M Rizwan Riaz)
 Reference of the request letter # Nil

Dated: 19-11-2020
 Dated: 18-11-2020

Tension Test Report (Page -1/1)

Date of Test 20-11-2020
 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	Marks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.376	10	9.53	0.12	0.111	3500	4200	64301	69710	77161	83700	1.40	17.5	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only one sample for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Manager C, R & M
 Allied Bank Limited
 Allied Bank Limited Masoom Shah Road Branch, Multan

Reference # CED/TFL **35659** (Dr. M Rizwan Riaz) Dated: 19-11-2020
 Reference of the request letter # GHQ/S2/ENGG.CELL.MTN/2020/413 Dated: 18-11-2020

Tension Test Report (Page -1/1)

Date of Test 20-11-2020
 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 ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Marks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.368	3	0.371	0.11	0.108	4000	4700	80200	81450	94200	95800	0.90	11.3	Amreli Steel
2	0.375	3	0.375	0.11	0.110	3900	4600	78200	77930	92200	92000	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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To,
 Team Leader
 NESPAK
 Farm to Market Roads under GZD-CAD Project Pkg XVI & XVII

Reference # CED/TFL **35660** (Dr. M Rizwan Riaz)
 Reference of the request letter # DR-01/GZD/DSC/TL/1422

Dated: 19-11-2020
 Dated: 11-11-2020

Tension Test Report (Page -1/1)

Date of Test 20-11-2020
 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 ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Marks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.392	3	0.383	0.11	0.115	3200	5300	64200	61140	106200	101300	1.20	15.0	FF Steel
2	0.378	3	0.376	0.11	0.111	3300	5000	66200	65420	100200	99200	1.10	13.8	
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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														

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