



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 Beaconhouse School
Sadiqabad Project

Reference # CED/TFL **33081** (Dr. Ali Ahmed)
Reference of the request letter # Nil

Dated: 16-04-2019
Dated: 16-04-2019

Tension Test Report (Page -1/1)

Date of Test 22-04-2019
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	0.372	3	0.373	0.11	0.109	3300	4400	66200	66480	88200	88700	1.30	16.3	
2	0.372	3	0.373	0.11	0.109	3400	4500	68200	68500	90200	90700	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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														

Witness by Talha Khan (Senior Quality Surveyor Beaconhouse) and Muddassar Rafique (Audit Office Beaconhouse School System)

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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To,
M/S ProMag Pvt Ltd
DHA – Multan
(Development of Sector - A)
(Mughal Steel)
Reference # CED/TFL **33109** (Dr. M Rizwan Riaz)
Reference of the request letter # Sec-A/Material/009

Dated: 19-04-2019
Dated: 05-04-2019

Tension Test Report (Page -1/1)

Date of Test 22-04-2019
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	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.386	10	9.65	0.11	0.113	3600	5200	72200	70010	104200	101200	1.40	17.5	
2	0.386	10	9.66	0.11	0.114	3600	5200	72200	69870	104200	101000	1.30	16.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only two samples for tensile test														
Bend Test														

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UET Lahore, Pakistan.

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To,
M/S Baba Poultry Engineering
Lahore
(Green Poultry Feed, Peer Mahal, Toba Tek Singh)

Reference # CED/TFL **33111** (Dr. M Rizwan Riaz)
Reference of the request letter # GREEN.Str/002

Dated: 19-04-2019
Dated: 18-04-2019

Tension Test Report (Page -1/1)

Date of Test 22-04-2019
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	0.350	3	0.362	0.11	0.103	2900	4400	58200	62160	88200	94300	1.00	12.5	
2	0.351	3	0.363	0.11	0.103	2900	4500	58200	61900	90200	96100	0.90	11.3	
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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.

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To,
 Project Manager
 Liberty Builders
 Construction of Zee Avenue Project, 17-A, Cooper Road, Lahore
 (SJ Steel)

Reference # CED/TFL **33113** (Dr. Ali Ahmed)
 Reference of the request letter # CONC-20190422

Dated: 22-04-2019
 Dated: 22-04-2019

Tension Test Report (Page -1/1)

Date of Test 22-04-2019
 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	0.392	3	0.383	0.11	0.115	3400	4800	68200	65060	96200	91900	1.30	16.3	
2	0.388	3	0.381	0.11	0.114	3000	4100	60200	57950	82200	79200	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
 Project Manager
 Liberty Builders
 Construction of Zee Avenue Project, 17-A, Cooper Road, Lahore
 (Model Power Steel)

Reference # CED/TFL **33114** (Dr. Ali Ahmed)
 Reference of the request letter # CONC-20190422A

Dated: 22-04-2019
 Dated: 22-04-2019

Tension Test Report (Page -1/1)

Date of Test 22-04-2019
 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	0.378	3	0.376	0.11	0.111	3600	5100	72200	71440	102200	101300	0.80	10.0	
2	0.379	3	0.377	0.11	0.112	3800	5400	76200	75110	108200	106800	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														

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