



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 Building Standards
Lahore
(Construction of Residential Building at Zafar Ali Road, Lahore)

Reference # CED/TFL **37718** (Dr. Ali Ahmed)
Reference of the request letter # GT/LTR/220118-007

Dated: 18-01-2022
Dated: 18-01-2022

Tension Test Report (Page -1/1)

Date of Test 19-01-2022
Gauge length 8 inches
Description Deformed Steel Bar Tensile 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	0.360	3	0.367	0.11	0.106	4100	5600	82200	85520	112300	116800	1.00	12.5	
2	0.358	3	0.366	0.11	0.105	3900	5300	78200	81590	106200	110900	0.90	11.3	
3	0.361	3	0.368	0.11	0.106	4100	5700	82200	85160	114300	118400	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three samples for tensile test														
Bend Test														

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
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- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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To,
 Construction Manager
 Zameen Quadrangle
 Construction of Zameen Quadrangle at Plot No. 49 Gulberg-V, Zafar Ali Road, Lahore

Reference # CED/TFL 37719 (Dr. Ali Ahmed)
 Reference of the request letter # ZD/ZQ/GSW/012

Dated: 18-01-2022
 Dated: 12-01-2022

Tension Test Report (Page -1/1)

Date of Test 19-01-2022
 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	0.334	3	0.353	0.11	0.098	2800	3900	56200	62920	78200	87700	1.30	16.3	SJ Steel
2	0.347	3	0.360	0.11	0.102	3000	4300	60200	64880	86200	93000	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
 Resident Engineer
 NESPAK

Dualization of Road from Gujranwala to M-2 Interchange at Kot Sarwar via Hafizabad km 6.20 to km 80.35 length 74.15 km in District Gujranwala & Hafizabad (Section km No. 40.20 – 80.35 L=40.15 km)

Reference # CED/TFL **37721** (Dr. Rizwan Riaz)

Dated: 18-01-2022

Reference of the request letter # SA-466F/103/GH/ML/01

Dated: 17-01-2022

Tension Test Report (Page -1/1)

Date of Test

19-01-2022

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	4.247	10	1.261	1.27	1.248	38200	53000	66300	67440	92000	93600	1.60	20.0	
2	4.233	10	1.259	1.27	1.244	38400	53200	66700	68030	92400	94300	1.70	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#10 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
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To,
 Sub Divisional Officer
 Building Sub Division No. 1
 Rahim Yar Khan
 (Construction of Bachelor Hostel Rahim Yar Khan)

Reference # CED/TFL **37722** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 18-01-2022
 Dated: 18-01-2022

Tension Test Report (Page -1/2)

Date of Test 19-01-2022
 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	0.354	3	0.364	0.11	0.104	3100	4600	62200	65610	92200	97400	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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,
 Sub Divisional Officer
 Building Sub Division No. 1
 Khan pur
 (Degree College for Boys Nawan Kot Tehsil Khanpur)

Reference # CED/TFL **37722** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 18-01-2022
 Dated: 18-01-2022

Tension Test Report (Page -2/2)

Date of Test 19-01-2022
 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	0.352	3	0.363	0.11	0.103	3000	4500	60200	63970	90200	96000	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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,
 Sub Divisional Officer
 Buildings Sub Division No. 2
 Lahore
 (Extension of Government Hospital Samanabad District Lahore)

Reference # CED/TFL 37724 (Dr. Ali Ahmed)
 Reference of the request letter # 938/2nd

Dated: 18-01-2022
 Dated: 07-12-2021

Tension Test Report (Page -1/1)

Date of Test 19-01-2022
 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 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	0.366	3/8	0.370	0.11	0.108	2900	4400	58200	59450	88200	90200	1.50	18.8	
2	0.379	3/8	0.377	0.11	0.112	3100	4500	62200	61260	90200	89000	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and two samples for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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To,
 Resident Engineer
 AZ Engineering Associates
 Construction of Flyover at Shahabpur Chowk Defence Road Sialkot in District Sialkot

Reference # CED/TFL 37725 (Dr. Ali Ahmed)
 Reference of the request letter # AZEA/SLK/SF/22/05

Dated: 18-01-2022
 Dated: 12-01-2022

Tension Test Report (Page -1/1)

Date of Test 19-01-2022
 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 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	0.382	3/8	0.378	0.11	0.112	3000	4400	60200	58840	88200	86300	1.30	16.3	Islamabad Premium
2	0.379	3/8	0.377	0.11	0.111	2800	4300	56200	55430	86200	85200	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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