



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

To,
 Project Manager
 MA Engineering Services
 Construction of Commercial Plaza at Al Rehman Garden Lahore

Reference # CED/TFL **36355** (Dr. Usman Akmal)
 Reference of the request letter # MA/UET/013

Dated: 21-04-2021
 Dated: 21-04-2021

Tension Test Report (Page -1/1)

Date of Test 22-04-2021
 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 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	0.379	3	0.377	0.11	0.111	3600	4900	72200	71260	98200	97000	1.40	17.5	
2	0.379	3	0.377	0.11	0.112	3500	4800	70200	69160	96200	94900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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.

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,
 Resident Engineer
 NESPAK
 Punjab Intermediate Cities Improvement Investment Program (PICIP),
 Consultancy Services for Engineering, Procurement and Construction Management
 Watsan Sialkot (NCB-Works/PICIIP-02)(Lot-01)

Reference # CED/TFL **36357** (Dr. Usman Akmal)
 Reference of the request letter # Nespak/SAH/UET/L1/014

Dated: 21-04-2021
 Dated: 15-04-2021

Tension Test Report (Page -1/2)

Date of Test 22-04-2021
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test

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	0.169	2	0.251	-----	0.050	2200	2600	-----	97750	-----	115600	0.70	8.8	
2	0.170	2	0.252	-----	0.050	2200	2600	-----	96960	-----	114600	0.70	8.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#2 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Resident Engineer
 NESPAK
 Punjab Intermediate Cities Improvement Investment Program (PICIP),
 Consultancy Services for Engineering, Procurement and Construction Management
 Watsan Sialkot (NCB-Works/PICIIP-02)(Lot-01, 02 & 04)

Reference # CED/TFL **36357** (Dr. Usman Akmal) Dated: 21-04-2021
 Reference of the request letter # Nespak/SAH/UET/L1,2&4/017 Dated: 19-04-2021

Tension Test Report (Page -2/2)

Date of Test 22-04-2021
 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 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	0.380	3	0.377	0.11	0.112	3200	4600	64200	63130	92200	90800	1.50	18.8	
2	0.370	3	0.372	0.11	0.109	3100	4500	62200	62860	90200	91300	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 108 Engr Bn
 Kharian Cantt
 (Const. Of 03 x Additional Buildings & Parking shed at CMH Medical College Kharian Cantt.)

Reference # CED/TFL **36358** (Dr. Usman Akmal)
 Reference of the request letter # Nil

Dated: 21-04-2021
 Dated: 21-04-2021

Tension Test Report (Page -1/1)

Date of Test 22-04-2021
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.378	3/8	0.376	0.11	0.111	4100	5400	82200	81270	108200	107100	1.30	16.3	
2	0.379	3/8	0.377	0.11	0.111	4200	5400	84200	83040	108200	106800	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Project Manager (K & N House)
 Aitchison College Lahore

Reference # CED/TFL **36359** (Dr. Usman Akmal)
 Reference of the request letter # P-0666

Dated: 21-04-2021
 Dated: 21-04-2021

Tension Test Report (Page -1/1)

Date of Test 22-04-2021
 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 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	0.391	3	0.382	0.11	0.115	3600	5100	72200	69100	102200	97900	1.10	13.8	
2	0.391	3	0.383	0.11	0.115	3600	5000	72200	69010	100200	95900	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 Laboratories
UET Lahore, Pakistan.

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