



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

To,
 Assistant Director
 Defence Housing Authority, Gujranwala
 “Construction of 5 Marla Villas (Block B)”

Reference # CED/TFL **4258** (Dr. Rizwan Azam)
 Reference of the request letter # 111/3/AD Bldgs/Gen/63

Dated: 28-11-2023
 Dated: 28-11-2023

Tension Test Report (Page -1/1)

Date of Test 30-11-2023
 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	0.377	3	0.375	0.11	0.111	3100	4500	62200	61730	90200	89700	1.50	18.8	SJ Steel
2	0.378	3	0.376	0.11	0.111	3100	4600	62200	61560	92200	91400	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.

Note:

- 1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

Ref: CED/TFL/11/4262

Dated: 27-11-2023

Dated of Test: 30-11-2023

To

Assistant Director (QCD)
WASA, LDA, Lahore
(M/s Future Pipe Industry Gujranwala)

Subject: - CALIBRATION OF HYDRAULIC JACK WITH GAUGE
(MARK: TFL/11/4262)

Reference to your Letter No. QCD/1854-55, Dated: 20/11/2023 on the subject cited above. One Hydraulic Jack with Gauge as received by us has been calibrated. The results are tabulated as under:

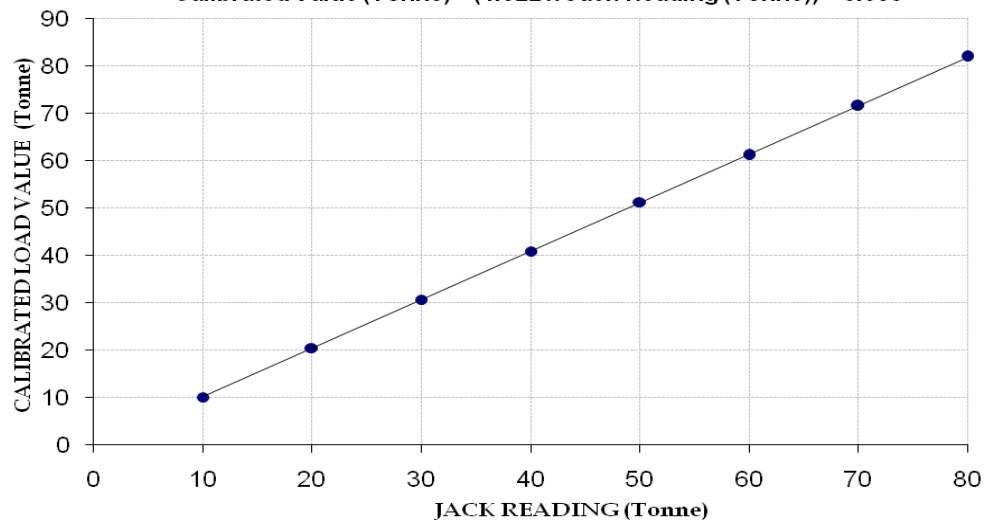
Total Range : Zero - 100 (Tonne)
Calibrated Range : Zero - 80 (Tonne)

Hydraulic Jack Reading (Tonne)	10	20	30	40	50	60	70	80
Calibrated Load (kg)	10100	20500	30700	40900	51200	61100	71500	81900
Calibrated Load (Tonne)	10.10	20.50	30.70	40.90	51.20	61.10	71.50	81.90

1000 kg = 1 Tonne

Calibration Curve For Jack

Calibrated Value (Tonne) = (1.022 x Jack Reading (Tonne)) - 0.035



I/C Testing Laboratories
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
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University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
Manager Civil
Sunshine
Construction of Sunshine Styler Hostel.

Reference # CED/TFL **4265** (Dr. Rizwan Azam)
Reference of the request letter # SPS/BML/015/2023

Dated: 28-11-2023
Dated: 28-11-2023

Tension Test Report (Page -1/1)

Date of Test 30-11-2023
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	0.410	3	0.392	0.11	0.120	3600	5100	72200	65870	102200	93400	1.40	17.5	Sheikhoo Steel	
2	0.416	3	0.395	0.11	0.122	3600	5100	72200	64870	102200	91900	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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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Assistant Engineer (Civil)
 University of Engineering and Technology, Lahore
 Construction of “Centre for Excellence for Research and Development & Training”
 Chemical Engineering Department Main Campus, UET Lahore.

Reference # CED/TFL **4269** (Dr. Rizwan Azam)

Dated: 28-11-2023

Reference of the request letter # B&W/AEN-C/ECE/10

Dated: 28-11-2023

Tension Test Report (Page -1/1)

Date of Test 30-11-2023

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	0.410	3	0.392	0.11	0.120	3600	5100	72200	65870	102200	93400	1.40	17.5	Sheikho
2	0.416	3	0.395	0.11	0.122	3600	5100	72200	64870	102200	91900	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.

Note:

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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
Beach Resort
Coral Building (Beach Resort)

Reference # CED/TFL **4166** (Dr. Rizwan Azam)
Reference of the request letter # Nil

Dated: 28-11-2023
Dated: 23-11-2023

Tension Test Report (Page -1/1)

Date of Test 30-11-2023
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	0.383	3	0.378	0.11	0.112	3700	5000	74200	72530	100200	98100	1.20	15.0	
2	0.371	3	0.373	0.11	0.109	3600	4800	72200	72770	96200	97100	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Assistant Engineer (Civil)
 University of Engineering and Technology, Lahore
 Construction of “Centre for Excellence for Research and Development & Training”
 Chemical Engineering Department Main Campus, UET Lahore.

Reference # CED/TFL **4269** (Dr. Rizwan Azam)

Dated: 28-11-2023

Reference of the request letter # B&W/AEN-C/ECE/10

Dated: 28-11-2023

Tension Test Report (Page -1/1)

Date of Test 30-11-2023

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	0.381	3	0.378	0.11	0.112	3900	4900	78200	76800	98200	96500	0.80	10.0	
2	0.381	3	0.378	0.11	0.112	4000	5100	80200	78730	102200	100400	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														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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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 S.P. Nizam
Lahore

Reference # CED/TFL 4271 (Dr. Rizwan Azam)
Reference of the request letter # Nil

Dated: 29-11-2023
Dated: 29-11-2023

Tension Test Report (Page – 1/1)

Date of Test 30-11-2023
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	14	0.76	11800	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one samples for Test				

I/C Testing Laboratoires
UET Lahore, Pakistan.

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

To,
 Resident Engineer
 AZ Engineering Associates
 Widening / Improvement of Road from Sialkot Cantt to Jassar Garrison Length = 69.00
 km, in District Narowal.

Reference # CED/TFL **4272** (Dr. Rizwan Azam)
 Reference of the request letter # AZ/RE/SNR/024

Dated: 29-11-2023
 Dated: 19-09-2023

Tension Test Report (Page -1/1)

Date of Test 30-11-2023
 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	0.377	3	0.376	0.11	0.111	3400	4800	68200	67570	96200	95400	1.40	17.5	Sheikhoo Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

Note:

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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 Polecrete Spun Limited
Lahore

Reference # CED/TFL 4274 (Dr. Rizwan Azam)
Reference of the request letter # PCSL/MT-008/2023

Dated: 29-11-2023

Dated: 08-11-2023

Tension Test Report (Page – 1/1)

Date of Test 30-11-2023
Gauge length 640 mm
Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield strength clause (6.3)		Breaking strength clause (6.2)		% Elongation	Remarks / Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)		
1	11.11 (7/16")	580.0	591.0	12800	125.57	14200	139.30	>3.50	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
Only one sample for Test									

I/C Testing Laboratories
UET Lahore, Pakistan.

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

To,
 Azhar Sameen
 KDF

Reference # CED/TFL 4276 (Dr. Rizwan Azam)
 Reference of the request letter # Nil

Dated: 29-11-2023
 Dated: 29-11-2023

Tension Test Report (Page -1/1)

Date of Test 30-11-2023
 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	0.356	3	0.365	0.11	0.105	2700	4300	54100	56810	86200	90500	1.40	17.5	
2	0.354	3	0.364	0.11	0.104	2700	4300	54100	57140	86200	91000	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 Laboratories
UET Lahore, Pakistan.

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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 JSM Heights (Pvt) Ltd.
Lahore
(Construction of Jinnah Square Mall. Khayaban-e-Jinnah Road, Lahore.)

Reference # CED/TFL 4277 (Dr.Rizwan Azam)
Reference of the request letter # Nil

Dated: 30-11-2023
Dated: 30-11-2023

Tension Test Report (Page -1/1)

Date of Test 30-11-2023
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	0.381	3	0.378	0.11	0.112	3300	4800	66200	64890	96200	94400	1.00	12.5	
2	0.367	3	0.371	0.11	0.108	3200	4700	64200	65310	94200	96000	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 Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
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To,

M/S Mughal Iron & Steel Industries.
Lahore
(HQ DW&CE (Navy) Sector E-8 Naval Complex Islamabad)

Reference # CED/TFL **4278** (Dr.Rizwan Azam)
Reference of the request letter # Nil

Dated: 30-11-2023
Dated: 30-11-2023

Tension Test Report (Page -1/1)

Date of Test 30-11-2023
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	0.381	3	0.377	0.11	0.112	2800	3800	56200	55160	76200	74900	1.70	21.3	Mughal Steel G-40	
2	0.380	3	0.377	0.11	0.112	2700	3800	54100	53310	76200	75100	1.80	22.5		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
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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Test Floor Laboratory
Department of Civil Engineering
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Pakistan. Ph: 92-42-99029202

To,
 M/S Mughal Iron & Steel Industries.
 Lahore
 (HQ DW&CE (Navy) Sector E-8 Naval Complex Islamabad)

Reference # CED/TFL 4279 (Dr.Rizwan Azam)
 Reference of the request letter # Nil

Dated: 30-11-2023
 Dated: 30-11-2023

Tension Test Report (Page -1/1)

Date of Test 30-11-2023
 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	0.374	3	0.374	0.11	0.110	3600	5000	72200	72130	100200	100200	1.40	17.5	Mughal Steel G-60
2	0.375	3	0.375	0.11	0.110	3600	4900	72200	71890	98200	97900	1.30	16.3	
3	4.248	10	1.261	1.27	1.249	40800	53600	70900	72020	93100	94700	1.60	20.0	
4	4.250	10	1.261	1.27	1.249	41800	54200	72600	73740	94100	95700	1.70	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#10 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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

Duplicate

To,
M.E
AS Enterprises
Style Textile Raiwind
(AA Associates)

Reference # CED/TFL **1442, 4282** (Dr. Usman Akmal)

Dated: 24-05-2022

Reference of the request letter # STR/ASE/01

Dated: 24-05-2022

Tension Test Report (Page -1/1)

Date of Test 26-05-2022

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	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.421	10	10.08	0.12	0.124	4700	5600	86347	83810	102881	99900	0.90	11.3	
2	0.441	10	10.32	0.12	0.130	4300	5300	78998	73040	97370	90100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples 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.

Note:

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

Duplicate

To,
M.E
AS Enterprises
Style Textile Manga, Knitting 3, ETP 3
(AA Associates)

Reference # CED/TFL **1510, 4282** (Dr. Ali Ahmed)
Reference of the request letter # STM/ASE/01

Dated: 06-06-2022
Dated: 25-06-2022

Tension Test Report (Page -1/1)

Date of Test 07-06-2022
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	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.413	10	9.98	0.12	0.121	4710	5760	86531	85540	105821	104700	0.90	11.3	Mughal Steel
2	0.418	10	10.05	0.12	0.123	4690	5660	86163	84090	103984	101500	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples 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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Pakistan. Ph: 92-42-99029202

Duplicate

To,
M.E
AS Enterprises
Style Textile Manga, Knitting 3, ETP 3
(AA Associates)

Reference # CED/TFL **1631, 4282** (Dr. Usman Akmal)

Dated: 29-06-2022

Reference of the request letter # STM/ASE/01

Dated: 29-06-2022

Tension Test Report (Page -1/1)

Date of Test 30-06-2022

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	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.421	10	10.08	0.12	0.124	4500	5500	82673	80120	101044	98000	1.50	18.8	Mughal Steel
2	0.415	10	10.01	0.12	0.122	4400	5500	80835	79540	101044	99500	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples 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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Pakistan. Ph: 92-42-99029202

Duplicate

To,
M.E
AS Enterprises
Style Textile Manga, Knitting Building, Yarn Store, Acro
(AA Associates)

Reference # CED/TFL **2057, 4282** (Dr. M Rizwan Riaz)

Dated: 03-10-2022

Reference of the request letter # STM/ASE/03

Dated: 03-10-2022

Tension Test Report (Page -1/1)

Date of Test 04-10-2022

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	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.415	10	10.01	0.12	0.122	4200	5300	77161	75910	97370	95800	1.30	16.3	Afco Steel
2	0.402	10	9.86	0.12	0.118	3600	5000	66138	67110	91858	93300	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples 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.

Note:

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