



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
MM Pakistan (Pvt) Ltd
Kachhi Canal Project – Contract KC-6B (2R) Construction of Main Canal and Distribution System (Earthwork, Structures and Lining of Main Canal & Distributaries) from RD 1193+000 to RD 1252+000
(WMI)

Reference # CED/TFL **1252** (Engr. Amina Rajput)
Reference of the request letter # KCB/RE-6B(2R)/36

Dated: 13-04-2022

Dated: 07-04-2022

Tension Test Report (Page -1/2)

Date of Test 15-04-2022
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)		Young's Modulus of Elasticity "E"	% Elongation	Remarks / Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)	GPa		
1	12.70 (1/2")	775.0	783.0	17400	170.69	19800	194.24	199	>3.50	xx
2	12.70 (1/2")	775.0	784.0	17800	174.62	19300	189.33	199	>3.50	xx
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Only two sample for Test

Note:

1. Modulus of Elasticity is based on nominal steel area of the steel strand vide clause 13.3 of ASTM – A416a
2. Load versus percentage strain graphs are attached

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Note:

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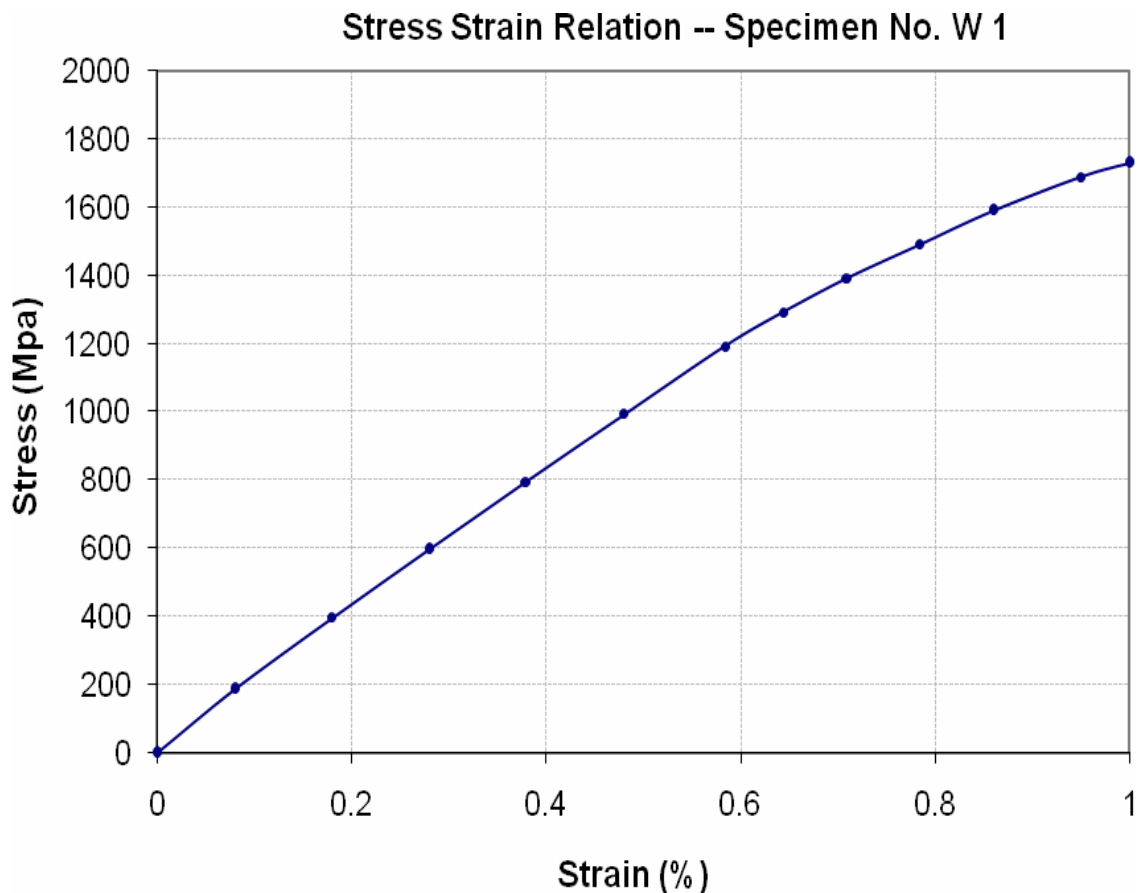
To,
Resident Engineer
MM Pakistan (Pvt) Ltd
Kachhi Canal Project – Contract KC-6B (2R) Construction of Main Canal and Distribution System (Earthwork, Structures and Lining of Main Canal & Distributaries) from RD 1193+000 to RD 1252+000
(WMI)

Reference # CED/TFL **1252** (Engr. Amina Rajput)
Reference of the request letter # KCB/RE-6B(2R)/36

Dated: 13-04-2022

Dated: 07-04-2022

Graph (Page – 2/3)



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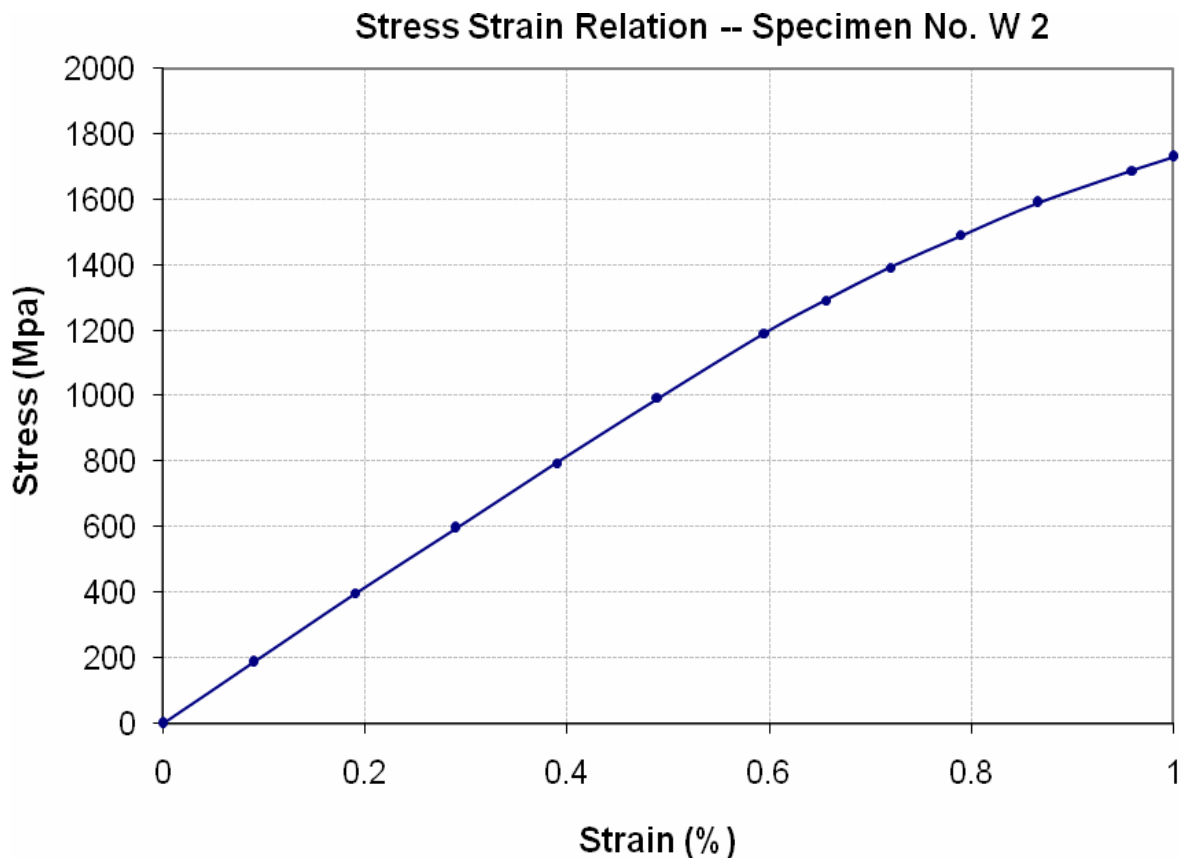
To,
Resident Engineer
MM Pakistan (Pvt) Ltd
Kachhi Canal Project – Contract KC-6B (2R) Construction of Main Canal and Distribution System (Earthwork, Structures and Lining of Main Canal & Distributaries) from RD 1193+000 to RD 1252+000
(WMI)

Reference # CED/TFL **1252** (Engr. Amina Rajput)
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Dated: 13-04-2022

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Graph (Page – 3/3)



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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
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Pakistan. Ph: 92-42-99029202

To,
 Resident Engineer
 Osmani & Company (Pvt) Ltd
 Construction of Greenfield Aerodrome for General Aviation Activities at Muridke

Reference # CED/TFL **1254** (Engr. Amina Rajput) Dated: 13-04-2022
 Reference of the request letter # OCL/CAA/MAD-RE/42K22/035 Dated: 09-04-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
 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	0.392	10	9.73	0.12	0.115	4600	5500	84510	87940	101044	105200	1.00	12.5	Naveena Steel
2	0.380	10	9.57	0.12	0.112	3700	4900	67975	73090	90021	96800	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
 Sub Divisional Officer
 Buildings Sub Division No. 9
 Lahore
 (Master Planning of Qurban Lines, Lahore (Phase-1) Construction of BS (18-19) Apartments at Qurban Lines, Lahore)

Reference # CED/TFL **1255** (Engr. Amina Rajput)
 Reference of the request letter # 689/9th

Dated: 13-04-2022
 Dated: 22-03-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile 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	0.387	3/8	0.381	0.11	0.114	3400	4800	68200	65830	96200	93000	1.10	13.8	
2	0.390	3/8	0.382	0.11	0.115	3500	4800	70200	67360	96200	92400	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

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UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
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Pakistan. Ph: 92-42-99029202

To,
 Resident Engineer
 Metroplan - Asian Jv
 Establishment of 200 Bedded Mother & Child Hospital (MCH), Layyah

Reference # CED/TFL 1257 (Engr. Amina Rajput) Dated: 13-04-2022
 Reference of the request letter # Metroplan-AsianJV-MCH-Layyah-RE-13 Dated: 09-04-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
 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	0.374	3	0.374	0.11	0.110	3300	4700	66200	66130	94200	94200	1.00	12.5	AF Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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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 Ghaffar Engineering Works
Lahore

Reference # CED/TFL **1259** (Engr. Amina Rajput)
Reference of the request letter # Nil

Dated: 13-04-2022

Dated: 13-04-2022

Tension Test Report (Page – 1/1)

Date of Test 15-04-2022
Gauge length 2 inches
Description MS Steel Plate Strip Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	MS Steel Plate	28.90x1.40	40.46	2200	3000	533	727	0.50	25.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only One Sample for Tensile Test										
Bend Test										

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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
NESPAK
Rehabilitation and Improvement of Roads for Traffic Circulation around Babu Sabu Interchange

Reference # CED/TFL **1260** (Engr. Amina Rajput)
Reference of the request letter # 4047/22/AS/01/035

Dated: 13-04-2021
Dated: 09-04-2021

Tension Test Report (Page – 1/1)

Date of Test 15-04-2021
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	12.70 (1/2")	775.0	779.0	17500	171.68	19200	188.35	>3.50	xx
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
Only one sample for Test									

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Test Floor Laboratory
Department of Civil Engineering
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Pakistan. Ph: 92-42-99029202

To,
 Manager Construction Quality
 M/s Sefam (Pvt) Ltd
 Ex-Hunble Tex Production Hall Extension Lahore

Reference # CED/TFL 1262 (Engr. Amina Rajput)
 Reference of the request letter # Safem/Hun/Ittefaq/01

Dated: 13-04-2022
 Dated: 12-04-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
 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	0.374	3	0.374	0.11	0.110	3100	4900	62200	62140	98200	98300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
 Principal Architect
 Z. H. Kazmi & Associates
 Construction of Boundary Wall & Misc. Works at ABL New Warehouse at Adda Choki
 Roranwali, Toba Road, Jhang

Reference # CED/TFL **1263** (Engr. Amina Rajput)
 Reference of the request letter # Nil

Dated: 13-04-2022
 Dated: 13-04-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
 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	0.378	3	0.376	0.11	0.111	3500	4900	70200	69380	98200	97200	0.90	11.3	
2	0.381	3	0.377	0.11	0.112	3500	4900	70200	68970	98200	96600	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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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,
 Project Director
 Elantra Tech
 Sub. Construction of DHA 8 Plot No. 223 C

Reference # CED/TFL 1264 (Engr. Amina Rajput)
 Reference of the request letter # DHA 8 Plot No. 223 C

Dated: 13-04-2022
 Dated: 13-04-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
 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	0.358	3	0.366	0.11	0.105	3500	4800	70200	73410	96200	100700	1.00	12.5	Model Steel
2	0.357	3	0.365	0.11	0.105	3800	4900	76200	79830	98200	103000	0.75	9.4	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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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
 Establishment of Mother & Child Block, Teaching Hospital, Dera Ghazi Khan

Reference # CED/TFL **1265** (Engr. Amina Rajput)
 Reference of the request letter # RE/AZEA/DGK/024

Dated: 13-04-2022
 Dated: 05-04-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
 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	0.408	3	0.391	0.11	0.120	4100	5200	82200	75400	104200	95700	0.70	8.8	FF Steel
2	0.423	3	0.398	0.11	0.124	3900	5100	78200	69160	102200	90500	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
M/S Baig Construction Co.
Lahore
(620-B Jubilee Town (Panagah) Lahore

Reference # CED/TFL 1266 (Engr. Amina Rajput)
Reference of the request letter # Nil

Dated: 14-04-2022
Dated: 14-03-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
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	0.362	3/8	0.368	0.11	0.106	3300	4500	66200	68320	90200	93200	1.00	12.5	
2	0.366	3/8	0.370	0.11	0.108	3300	4500	66200	67570	90200	92200	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,
 A/XEN E&M
 GE (Air) Rafiqui
 (Rehabilitation of Aircraft Pens in Charlie Area (Site-I) at PAF Base Rafiqui

Reference # CED/TFL 1267 (Engr. Amina Rajput)
 Reference of the request letter # 6577/24/E-6

Dated: 14-04-2022
 Dated: 13-04-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
 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	0.386	3/8	0.380	0.11	0.113	3400	4800	68200	66100	96200	93400	1.20	15.0	
2	0.384	3/8	0.379	0.11	0.113	3400	4800	68200	66370	96200	93700	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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,
 Manger Projects FHM
 Fatima Memorial Hospital
 Construction of New Building at Fatima Memorial Hospital Lahore

Reference # CED/TFL **1269** (Engr. Amina Rajput)
 Reference of the request letter # FMH/RAF/St/01

Dated: 14-04-2022
 Dated: 13-04-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
 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	0.364	3	0.369	0.11	0.107	3700	5100	74200	76290	102200	105200	0.60	7.5	
2	0.361	3	0.368	0.11	0.106	4200	5500	84200	87160	110200	114200	0.60	7.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
 M/S Defence Housing Authority.
 Lahore Cantt
 (Const of Girls School & College Block-B, Sec-I (Rahbar), DHA Phase-XI) – (M/s DHA-C)

Reference # CED/TFL **1270** (Engr. Amina Rajput)
 Reference of the request letter # 408/241/32/Lab/82/656

Dated: 14-04-2022
 Dated: 31-03-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
 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	0.375	3	0.375	0.11	0.110	3600	4600	72200	71990	92200	92000	1.00	12.5	Mughal Steel
2	0.377	3	0.376	0.11	0.111	3600	4700	72200	71650	94200	93600	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.

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,
 Sub Divisional Officer
 Buildings Sub Division
 Bahawalnagar
 (Construction of Family Courts, Senior Civil Judge Court, Day Care Centre and Record Room at Bahawalnagar)
 Reference # CED/TFL 1271 (Engr. Amina Rajput) Dated: 14-04-2022
 Reference of the request letter # 504/BWN Dated: 01-04-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
 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	0.375	3/8	0.375	0.11	0.110	3600	5100	72200	72010	102200	102100	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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.

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 Bhanero Textile Mills Ltd
Sheikhupure
(Bhanero Textile Mills (Spinning) Unit-04, Ferozewatton, Sheikhupura)

Reference # CED/TFL 1273 (Engr. Amina Rajput)
Reference of the request letter # Nil

Dated: 15-04-2022
Dated: 12-04-2022

Tension Test Report (Page -1/1)

Date of Test 15-04-2022
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	0.372	10	9.47	0.12	0.109	3840	4740	70547	77460	87082	95700	1.20	15.0	
2	0.369	10	9.44	0.12	0.108	3720	4660	68343	75640	85612	94800	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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STRUCTURAL ENGINEERING DIVISION
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Pakistan. Ph: 92-42-99029202

I/C Testing Laboratories
UET Lahore, Pakistan.

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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