



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 (WASO)
 Chashma
 Construction of 64 Men Barracks for C-3/C-4 at Chashma

Reference # CED/TFL **33568** (Dr. Waseem Abbas)
 Reference of the request letter # PD(CH)/WASO/C3&C4/93/18/

Dated: 17-07-2019
 Dated: 12-07-2019

Tension Test Report (Page -1/1)

Date of Test 18-07-2019
 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	0.386	3	0.380	0.11	0.113	3500	4800	70200	68040	96200	93400	1.20	15.0	
2	0.390	3	0.382	0.11	0.115	3600	4900	72200	69220	98200	94300	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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To,
 Project Manager
 Izhar Group of Companies
 CCBL Ware House & Allied Works Phase-1

Reference # CED/TFL **33573** (Dr. Waseem Abbas)
 Reference of the request letter # ICPL/CCBL/LAB/04

Dated: 17-07-2019
 Dated: 17-07-2019

Tension Test Report (Page -1/1)

Date of Test 18-07-2019
 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	0.371	10	9.46	0.12	0.109	3600	4800	66138	72810	88184	97100	0.90	11.3	
2	0.365	10	9.38	0.12	0.107	3300	4500	60627	67850	82673	92600	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.

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To,
 Additional Director Development
 DHA Phase-XI (Rahbar)
 Construction of Mosque in Block-'A', Sector-I, DHA Phase-XI (Rahbar)

Reference # CED/TFL **33574** (Dr. Waseem Abbas) Dated: 17-07-2019
 Reference of the request letter # 700/3/Mosque A/Sec-I/Ph-XI/Projs/2171 Dated: 16-07-2019

Tension Test Report (Page -1/1)

Date of Test 18-07-2019
 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	0.371	3/8	0.373	0.11	0.109	3100	4700	62200	62620	94200	95000	1.10	13.8	Saeed Kasur
2	0.377	3/8	0.376	0.11	0.111	3200	4800	64200	63630	96200	95500	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
CBC Director
Consolidated Builders Company,
Khushal Khan Mina, Kabul, Afghanistan
Construction of 140M Suspension Bridge, Samarqandi Village, Khost District- Baghlan Provice
(Ministry of Rural Rehabilitation and Development)

Reference # CED/TFL **33578** (Dr. Waseem Abbas) Dated: 17-07-2019
Reference of the request letter # RRD/MOF/NRAP/NRHE/BGN/067/C2/001 dated: 16-07-2019

Tension Test Report (Page – 1/1)

Date of Test 18-07-2019
Gauge length -----
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Yield Load	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	(kg)	
1	13	0.69	-----	13000	
2	26	2.70	-----	48000	
3	32	4.16	-----	64400	
4	40	7.48	-----	106000	
-	-	-	-	-	
Only four samples for Test					

I/C Testing Laboratories
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To,
Deputy Chief Works
Punjab Safe Cities Authority
Lahore

Reference # CED/TFL **33579** (Dr. Ali Ahmed)
Reference of the request letter # 9019/CIVIL/PSCA/2019

Dated: 17-07-2019
Dated: 08-07-2019

Slippage Test Report (Page -1/1)

Date of Test 18-07-2019
Description Anchor Bolt Slippage Test

Sr. No.	Dia	Failure Load	Mode of Failure	Remarks
	(mm)	(kg)	---	
1	39	49200	Thread Slippage	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
Note: only one sample for test				

I/C Testing Laboratories
UET Lahore, Pakistan.

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To,
Resident Engineer
RENARDET S.A ((M-4), Package-IIIB)
Construction of Faisalabad - Khanewal Motorway (M-4) Project Package-III, Dinpur-Khanewal,
Section-3B (Nizami Steel Wire Group Pvt Ltd)(M/s Xinjiang Beixin Road & Bridge Group Co,
Ltd)
Reference # CED/TFL **33581** (Dr. Ali Ahmed) Dated: 17-07-2019
Reference of the request letter # RE/M-4/3B/2019/467 Dated: 16-07-2019

Tension Test Report (Page – 1/2)

Date of Test 18-07-2019
Gauge length -----
Description Chain Link Fence Wire Tensile Test as per AASHTO-M-181

Sr. No.	Diameter Wire	Breaking Load	Remarks
	(mm)	(kN)	
1	3.20	6.05	
2	3.20	6.25	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Only Two Samples for Test			

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
Resident Engineer
RENARDET S.A ((M-4), Package-IIIB)
Construction of Faisalabad - Khanewal Motorway (M-4) Project Package-III, Dinpur-Khanewal,
Section-3B (Nizami Steel Wire Group Pvt Ltd)(M/s Xinjiang Beixin Road & Bridge Group Co,
Ltd)
Reference # CED/TFL **33581** (Dr. Ali Ahmed) Dated: 17-07-2019
Reference of the request letter # RE/M-4/3B/2019/469 Dated: 11-07-2019

Tension Test Report (Page – 2/2)

Date of Test 18-07-2019
Gauge length -----
Description Chain Link Fence Wire Tensile Test as per AASHTO-M-181

Sr. No.	Diameter Wire	Breaking Load	Remarks
	(mm)	(kN)	
1	3.20	6.40	
2	3.20	6.05	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Only Two Samples for Test			

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To,
 Project Director
 Sundar Industrial Estate
 Construction of Road and Other Services Including Laying of Sewer Supply and Electricity in
 Extended Area of Sundar Industrial Estate

Reference # CED/TFL **33587** (Dr. Ali Ahmed)

Dated: 18-07-2019

Reference of the request letter # SIE/PIE/CIV/47

Dated: 18-07-2019

Tension Test Report (Page -1/1)

Date of Test 18-07-2019

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	0.380	3	0.377	0.11	0.112	3900	5000	78200	76950	100200	98700	0.90	11.3	
2	0.384	3	0.379	0.11	0.113	3700	4800	74200	72250	96200	93800	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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