



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 Ibrahim Nizami Wire Ind. (Pvt) Ltd
Lahore

Reference # CED/TFL **2253** (Dr. Safeer Abbass)
Reference of the request letter # Nil

Dated: 08-11-2022

Dated: 08-11-2022

Tension Test Report (Page – 1/1)

Date of Test 11-11-2022
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)		% Elongation	Remarks / Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)		
1	12.70 (1/2")	775.0	776.0	17100	167.75	19200	188.35	>3.50	1
2	12.70 (1/2")	775.0	761.0	17800	174.62	19400	190.31	>3.50	8
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
Only two samples for Test									

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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STRUCTURAL ENGINEERING DIVISION
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To,
 Resident Engineer
 ACE Limited, Sambrial Sialkot
 Establishment of University of Applied Engineering and Emerging Technologies (UAEET)
 Sambrial, Sialkot

Reference # CED/TFL **2256** (Dr. Asad Ali)
 Reference of the request letter # ER/UAEET/ACE/2022/75

Dated: 08-11-2022
 Dated: 08-11-2022

Tension Test Report (Page -1/1)

Date of Test 11-11-2022
 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	0.393	3	0.384	0.11	0.116	4030	5070	80800	76870	101600	96700	1.00	12.5	AF Steel
2	0.389	3	0.382	0.11	0.114	3380	5270	67800	65170	105600	101700	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

Witness by Tajammal Arifeen (Material Engineer ACE)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
M/S Al Wasal Traders & Consultants
Lahore

Reference # CED/TFL 2257 (Dr. Safer Abbass)
Reference of the request letter # UET/MP/22001

Dated: 08-11-2022

Dated: 08-11-2022

Tension Test Report (Page – 1/1)

Date of Test 11-11-2022
Gauge length 2 inches
Description M.S Plate Steel 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	8	26.60x8.45	224.77	18500	19600	807	855	0.80	40.00	
2	6	26.60x5.80	154.28	5300	7400	337	471	0.70	35.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile Test										
Bend Test										

To,
Project Manager

I/C Testing Laboratoires
UET Lahore, Pakistan.

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MEP Solution Pvt. Ltd.
The Indus Hospital, QF NST Campus Lahore, Pakistan

Reference # CED/TFL **2260** (Dr. Safer Abbass)
Reference of the request letter # Nil

Dated: 08-11-2022

Dated: 03-11-2022

Tension Test Report (Page – 1/1)

Date of Test 11-11-2022
Gauge length 2 inches
Description I Beam Steel Strip Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(inch)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	14x6	25.60x11.70	299.52	10800	17500	354	573	0.80	40.00	
2		25.65x11.50	294.98	10500	17400	349	579	0.70	35.00	
3	14x6	25.55x11.80	301.49	11100	17800	361	579	0.80	40.00	
4		25.60x11.70	299.52	10900	17500	357	573	0.80	40.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Four Samples for Tensile Test										
Bend Test										

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
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To,
M/S Riz Builders
Lahore
(Din Plaza, Johar Town, Lahore)

Reference # CED/TFL 2263 (Dr. Safer Abbass)
Reference of the request letter # Nil

Dated: 10-11-2022
Dated: 10-11-2022

Tension Test Report (Page -1/1)

Date of Test 11-11-2022
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	4200	5000	84200	84150	100200	100200	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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STRUCTURAL ENGINEERING DIVISION
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To,
 Sub Divisional Officer
 Public Health Engg: Sub Division
 Toba Tek Singh
 (Rural Water Supply Scheme Chak # 148/GB, 149/GB, 151/GB, 153/GB, Balgan, 294/JB,
 350/GB, Noor Mahal and 292/GB Bara Rasla Tehsil & Distt. T.T. Singh.)

Reference # CED/TFL **2264** (Dr. Safer Abbass)
 Reference of the request letter # 267/PHE-SD-TTS

Dated: 10-11-2022
 Dated: 04-07-2022

Tension Test Report (Page -1/1)

Date of Test 11-11-2022
 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	0.367	3/8	0.370	0.11	0.108	2500	3700	50100	51140	74200	75700	1.80	22.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

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To,
 Procurement Manager
 Premier Developers & Builders
 Lyallpur Galleria-II near Four Season Colony Samundri Road, Faisalabad

Reference # CED/TFL 2265 (Dr. Safer Abbass)
 Reference of the request letter # LG-II/031

Dated: 10-11-2022
 Dated: 08-11-2022

Tension Test Report (Page -1/1)

Date of Test 11-11-2022
 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	3700	5100	74200	73330	102200	101100	1.00	12.5	FF 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.

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To,

M/S Pakistan Atomic Energy Commission
 LC PC Joharabad
 (Construction of Filling Station for PAEC Foundation at Chowk Girote)

Reference # CED/TFL 2266 (Dr. Safer Abbass)
 Reference of the request letter # Nil

Dated: 11-11-2022
 Dated: 11-11-2022

Tension Test Report (Page -1/1)

Date of Test 11-11-2022
 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	0.428	3	0.400	0.11	0.126	4800	5900	96200	84100	118300	103400	0.90	11.3	Mughal Steel
2	0.421	3	0.397	0.11	0.124	4300	5300	86200	76600	106200	94500	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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Pakistan. Ph: 92-42-99029202

To,
 Construction Manager
 Zameen Aurum
 Construction of Zameen Aurum at Plot No. 15 Block L, Gulberg-III, Main Feroze Pur Road,
 Lahore
 Reference # CED/TFL 2268 (Dr. Asad Ali) Dated: 11-11-2022
 Reference of the request letter # ZD/ZA/STR031 Dated: 10-11-2022

Tension Test Report (Page -1/1)

Date of Test 11-11-2022
 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	3540	5100	71000	70900	102200	102200	1.30	16.3	
2	0.374	3	0.374	0.11	0.110	3490	5070	70000	70060	101600	101800	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
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To,
 Chief Engineer
 Zaitoon
 New Lahore City, Lahore
 Construction of House # 80, 81 & 82 (Zatoon City) (AM Contractor)

Reference # CED/TFL **2271** (Dr. Ali Ahmed)
 Reference of the request letter # NLC/CE/Const/14

Dated: 11-11-2022
 Dated: 04-11-2022

Tension Test Report (Page -1/1)

Date of Test 11-11-2022
 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	0.377	3	0.375	0.11	0.111	3200	4600	64200	63700	92200	91600	1.40	17.5	FF Steel
2	0.380	3	0.377	0.11	0.112	3300	4700	66200	65070	94200	92700	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														

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