



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

To,

Project Engineer (Electrical)
Prosperity Consultants
Design, Manufacture, Supply, Erection, Testing and Commissioning on EPC / Turkey
Basis of 132/11.50 kV (GIS) Grid Station # 1 DHA, Gujranwala.

Reference # CED/TFL **4438** (Dr. Usman Akmal)
Reference of the request letter # DHA GUJ/GRID/838

Dated: 01-01-2024
Dated: 26-12-2023

Tension Test Report (Page # 1/2)

Date of Test 05-01-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.390	3	0.382	0.11	0.115	3500	5200	70200	67240	104200	99900	1.20	15.0	SJ Steel
2	0.390	3	0.382	0.11	0.115	3200	4900	64200	61490	98200	94200	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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Prosperity Consultants
Design, Manufacture, Supply, Erection, Testing and Commissioning on EPC / Turkey
Basis of 132/11.50 kV (GIS) Grid Station # 1 DHA, Gujranwala.

Reference # CED/TFL **4438** (Dr. Usman Akmal)
Reference of the request letter # DHA GUJ/GRID/839

Dated: 01-01-2024
Dated: 26-12-2023

Tension Test Report (Page # 2/2)

Date of Test 05-01-2024
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	0.392	3	0.383	0.11	0.115	3400	5000	68200	65080	100200	95700	1.20	15.0	SJ Steel
2	0.386	3	0.380	0.11	0.113	3500	5100	70200	68020	102200	99200	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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Test Floor Laboratory
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To,
Head Quality Assurance
FF Steel
Hayatabad Industrial Estate, Peshawar

Reference # CED/TFL **4439** (Dr. M Rizwan Riaz)
Reference of the request letter # Nil

Dated: 01-01-2024
Dated: 01-01-2024

Tension Test Report (Page – 1/1)

Date of Test 05-01-2024
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	28	2.93	39000	
2	28	2.97	45400	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only two samples for 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

Development of a Controlled Access Corridor Facility from Niazi Interchange to Babu Sabu Interchange, Lahore, Package – II (km 3+650 to km 7+300)

Reference # CED/TFL **4448** (Dr. M Rizwan Riaz)

Dated: 03-01-2024

Reference of the request letter # 3772/103/NBI(P-I)/MWA/04/178 Dated: 29-12-2023

Tension Test Report (Page -1/1)

Date of Test 05-01-2024

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	0.379	0.11	0.113	3500	5300	70200	68510	106200	103800	1.10	13.8	Aziz Steel
2	0.383	3	0.379	0.11	0.113	3500	5300	70200	68460	106200	103700	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.

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,

Resident Engineer
NESPA

Provision of Exit Ramp / Flyover from Existing Abdullahpur Flyover, Faisalabad.

Reference # CED/TFL **4449** (Dr. M Rizwan Riaz)

Dated: 03-01-2024

Reference of the request letter # 3872/ERAF/QAM/23/038

Dated: 30-12-2023

Tension Test Report (Page # 1/1)

Date of Test 05-01-2024

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	4.233	10	1.259	1.27	1.244	34600	56600	60100	61300	98300	100300	1.50	18.8	Aziz Steel
2	4.244	10	1.260	1.27	1.248	34600	56600	60100	61130	98300	100000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#10 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,

Project Director Civil & Mechanical
Hystar Sourcing and Services (Pvt) Ltd.
106 Sites DHA Ph: VI-VII-VIII and Extensions

Reference # CED/TFL **4450** (Dr. M Rizwan Riaz)

Dated: 03-01-2024

Reference of the request letter # HST/NRTC-106SITES DHA/01/2024

Dated: 02-01-2024

Tension Test Report (Page # 1/1)

Date of Test 05-01-2024

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	0.371	0.11	0.108	3200	4800	64200	65410	96200	98200	1.20	15.0	Ittefaq Steel
2	0.368	3/8	0.371	0.11	0.108	3200	4800	64200	65280	96200	98000	1.20	15.0	
3	0.366	3/8	0.370	0.11	0.108	3200	5100	64200	65530	102200	104500	1.10	13.8	Batala Steel
4	0.371	3/8	0.373	0.11	0.109	3300	5100	66200	66710	102200	103100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														
3/8" Dia 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,

Resident Engineer
G3 Engineering Consultants (Pvt) Ltd
Construction of DHA Newlife Residency Apartments at 273/1 Q Block Phase-IIDHA,
Lahore

Reference # CED/TFL **4452** (Dr. M Rizwan Riaz)
Reference of the request letter # G3/DHA-NLD/RE/214

Dated: 03-01-2024
Dated: 02-01-2024

Tension Test Report (Page -1/1)

Date of Test 05-01-2024
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	3700	5500	74200	73560	110200	109400	0.75	9.4	AF Steel
2	0.376	3	0.375	0.11	0.111	3900	4800	78200	77700	96200	95700	0.80	10.0	
2	0.377	3	0.376	0.11	0.111	3800	5400	76200	75550	108200	107400	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three 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
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Project Manager
Icon Developers
BAH IBB Jaranwala Road, Faisalabad

Reference # CED/TFL **4453** (Dr. M Rizwan Riaz)
Reference of the request letter # Nil

Dated: 04-01-2024
Dated: 03-01-2024

Tension Test Report (Page # 1/1)

Date of Test 05-01-2024
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	0.385	3/8	0.379	0.11	0.113	3800	4700	76200	74080	94200	91700	1.10	13.8	
2	0.383	3/8	0.379	0.11	0.113	3900	4800	78200	76340	96200	94000	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														

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UET Lahore, Pakistan.

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To,

Material Engineer
NESPAK
Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP)
Engineering Design & Construction Supervision (EDCS)
Cluster Central – I, Tehsil Bhaowana (Contract Package-BNA-01).

Reference # CED/TFL **4454** (Dr. M Rizwan Riaz)

Dated: 04-01-2024

Reference of the request letter # NESPAK (PRSWSSP) BHOWANA-RE-26 Dated: 01-11-2023

Tension Test Report (Page -1/1)

Date of Test 05-01-2024

Description Plain Steel Bar Tensile and Bend Test as per ASTM-A496

Sr. No.	Weight (Kg/m)	Diameter/ Size (mm)		Area (mm ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (Mpa)		Ultimate Stress (Mpa)		Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual	
1	0.153	5	4.99	19.40	19.54	920	1500	465	462	759	753	
2	0.154	5	4.99	19.40	19.57	960	1600	485	481	809	802	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test												
Bend Test												
5mm Dia Bar Bend Test Through 180° is Satisfactory												

I/C Testing Laboratories
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