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 Pakistan Wire Industries (Pvt) Limited
Karachi

Reference # CED/TFL **5688** (Dr. Rizwaz Azam) Dated: 19-09-2024
Reference of the request letter # WRD/010/LAB052 Dated: 19-09-2024

Tension Test Report (Page – 1/1)

Date of Test 24-09-2024
Description Steel Wire Rope (H/C GI) Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	**25 (6x19)**	**2.10**	**31500**	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for Test				

Witness by Muhammad Wasim Khan (Pakistan Wire Industries)

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

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Pakistan. Ph: 92-42-99029202

To,

Resident Engineer
NESPAK
Renovation of Gaddafi Stadium Lahore Project.

Reference # CED/TFL **5696** (Dr. Usman Akmal) Dated: 20-09-2024
Reference of the request letter # RE/GSRP/4521/04/MH/13 Dated: 16-09-2024

Tension Test Report (Page -1/1)

Date of Test 24-09-2024
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	0.366	3	0.370	0.11	0.108	3500	4600	70200	71750	92200	94300	1.00	12.5	Mughal Steel
2	0.366	3	0.370	0.11	0.107	3600	4600	72200	73820	92200	94400	1.00	12.5	
3	4.220	10	1.257	1.27	1.240	35600	48400	61800	63270	84000	86100	1.70	21.3	
4	4.204	10	1.254	1.27	1.236	36000	48400	62500	64210	84000	86400	1.80	22.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only four samples for tensile and two samples for bend test

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

#10 Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

General manager / Project Manager
NESPAK
Construction of Platform along with Allied Services for TPS-77, MRR Radar at Kinara Top at PAF Base Mushaf.

Reference # CED/TFL **5703** (Dr. Usman Akmal) Dated: 23-09-2024
Reference of the request letter # 4800/321/SS/01/810 Dated: 13-09-2024

Tension Test Report (Page -1/1)

Date of Test 24-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.370	3/8	0.372	0.11	0.109	3700	4600	74200	74910	92200	93200	0.70	8.8	
2	0.371	3/8	0.373	0.11	0.109	3700	4600	74200	74700	92200	92900	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180º 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 Manager
DSG Energy
Construction of Office Building at 29-M QIE, Lahore.

Reference # CED/TFL **5704** (Dr. Usman Akmal) Dated: 24-09-2024
Reference of the request letter # Nil Dated: 24-09-2024

Tension Test Report (Page -1/1)

Date of Test 24-09-2024
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	0.370	3	0.372	0.11	0.109	3400	4600	68200	68970	92200	93400	1.30	16.3	Hunza Steel
2	0.368	3	0.371	0.11	0.108	3500	4700	70200	71360	94200	95900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

Sr. Project Manager
AAA Partnership Pvt. Ltd.
JDW Tower Lahore.

Reference # CED/TFL **5705** (Dr. M Kashif) Dated: 24-09-2024
Reference of the request letter # AAA/RO/MMK/104/2024 Dated: 16-09-2024

Test Report (Page -1/1)

Date of Test 24-09-2024
Description Deformed Steel Bar Weight & Size Test as per ASTM-A615

Sr. No.	Weight	Diameter/ size		Area (in^2)		Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	
1	0.400	3	0.387	0.11	0.118	
2	0.394	3	0.384	0.11	0.116	
3	0.403	3	0.388	0.11	0.118	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
Note: only three samples for test						

Witness by Roman Shahid (Site Engineer)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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

To,

Site Engineer
Luky Core Industries
Construction of (Lucky Core Industries) Veterinary Pharmaceutical Building at 30 km Lahore.

Reference # CED/TFL **5706** (Dr. Usman Akmal) Dated: 24-09-2024
Reference of the request letter # Nil Dated: 23-09-2024

Tension Test Report (Page -1/1)

Date of Test 24-09-2024
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	0.369	3	0.371	0.11	0.108	4300	5100	86200	87490	102200	103800	0.80	10.0	
2	0.361	3	0.368	0.11	0.106	4000	5000	80200	83020	100200	103800	1.00	12.5	
3	0.381	3	0.378	0.11	0.112	4300	5100	86200	84580	102200	100400	0.80	10.0	
4	0.390	3	0.382	0.11	0.115	4400	5200	88200	84540	104200	100000	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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