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,
HIGH-Q
Construction of HIGH-Q Mall at 3-A, Gulberg II, Lahore.

Reference # CED/TFL **5432** (Dr. Rizwan Azam) Dated: 31-07-2024
Reference of the request letter # QC/HQ/CIVIL/227 Dated: 31-07-2024

Tension Test Report (Page -1/1)

Date of Test 01-08-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		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	0.382	10	9.61	0.12	0.112	4080	5200	74956	80000	95533	102000	1.10	13.8	
2	0.387	10	9.67	0.12	0.114	4080	5220	74956	79000	95900	101100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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

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

To,

Resident Engineer
NESPAK - TurkPak JV
Construction of New GOR Near DHA - IX, Lahore.

Reference # CED/TFL **5433** (Dr. M Kashif) Dated: 31-07-2024
Reference of the request letter # 4769/13/MAA/24/50 Dated: 30-07-2024

Tension Test Report (Page -1/1)

Date of Test 01-08-2023
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	0.386	3	0.380	0.11	0.114	3980	5270	79800	77250	105600	102300	0.80	10.0	Kamran Steel
2	0.375	3	0.374	0.11	0.110	4050	5050	81200	81080	101200	101100	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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,

Project Manager
GMHP Consultants
Design, Procurement and Construction of 84 MW Gorkin-Matiltan Hydropower Project.

Reference # CED/TFL **5434** (Dr. Rizwan Azam) Dated: 31-07-2024
Reference of the request letter # 8112-15/PM/30/GMHPP/2024 Dated: 29-07-2024

Tension Test Report (Page -1/1)

Date of Test 01-08-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		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	0.379	10	9.57	0.12	0.111	3030	4560	55666	59920	83775	90200	1.30	16.3	
2	0.376	10	9.53	0.12	0.111	3010	4540	55299	60000	83407	90500	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm 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,

M/S Ittefaq Building Solution Pvt. Ltd.
Lahore

Reference # CED/TFL **5435** (Dr. M Kashif) Dated: 31-07-2024
Reference of the request letter # Nil Dated: 31-07-2024

Tension Test Report (Page -1/1)

Date of Test 01-08-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		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	0.369	10	9.44	0.12	0.108	3330	5200	61178	67690	95533	105700	0.80	10.0	
2	0.368	10	9.43	0.12	0.108	3360	5270	61729	68410	96819	107300	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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

To,

Project Manager
Premier Developers & Builders
Lyallpur Galleria-II Near Four Season Colony Samundri Road, Faisalabad.

Reference # CED/TFL **5436** (Dr. M Kashif) Dated: 31-07-2024
Reference of the request letter # LG-II/047 Dated: 30-07-2024

Tension Test Report (Page -1/1)

Date of Test 01-08-2023
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	0.367	3	0.370	0.11	0.108	3210	4560	64400	65640	91400	93300	1.50	18.8	Hunza Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Bend Test
#3 Bar Bend Test Through 180º is Satisfactory

To,

Project Manager
AJK Engineers (Pvt.) Ltd.
Excavation Support System at JDW Tower.

Reference # CED/TFL **5438** (Dr. Rizwan Azam) Dated: 31-07-2024
Reference of the request letter # AJK/UET/2024/07/003 Dated: 31-07-2024

Tension Test Report (Page -1/1)

Date of Test 01-08-2024
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	0.372	3	0.373	0.11	0.109	3740	5370	75000	75370	107600	108300	1.00	12.5	
2	0.373	3	0.374	0.11	0.110	3770	5400	75600	75780	108200	108600	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

I/C Testing Laboratoires
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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
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