STRUCTURAL ENGINEERING DIVISION

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

To,

Chief Resident Engineer
UMDS Consultants JV (Mincinsult, CEC and Jers)
NCB Works / PICIIP-04: Road Upgradation , Lot-01 Sahiwal.

Reference # CED/TFL **5282** (Dr. M Rizwan Riaz) Dated: 28-06-2024
Reference of the request letter # UMDS-JV/SOS/CRE/355 Dated: 10-06-2024

Tension Test Report (Page -1/1)

Date of Test 01-07-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615 **(Hunza Steel)**

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	3100	4600	62200	62840	92200	93300	1.40	17.5	
2	0.370	3	0.372	0.11	0.109	3200	4600	64200	64820	92200	93200	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
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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Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

GM
Professional Construction Services (Pvt) Ltd
Allied Bank Ltd. Link Road, Model Town, Lahore.

Reference # CED/TFL **5283** (Dr. M Rizwan Riaz) Dated: 28-06-2024
Reference of the request letter # PCS/24/Eng-43-A Dated: 28-06-2024

Tension Test Report (Page -1/1)

Date of Test 01-07-2024
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	0.374	3	0.374	0.11	0.110	3500	5600	70200	70170	112300	112300	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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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Pakistan. Ph: 92-42-99029202

To,

Executive Director - Project
The Lake City Developers (Pvt) Ltd.
The Lake City Holdings (Pvt) Ltd.

Reference # CED/TFL **5284** (Dr. M Rizwan Riaz) Dated: 28-06-2024
Reference of the request letter # LCRG/Test/AI/011 Dated: 28-06-2024

Tension Test Report (Page -1/1)

Date of Test 01-07-2024
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	0.352	3	0.363	0.11	0.103	3100	4800	62200	66070	96200	102400	1.20	15.0	AI
2	0.351	3	0.362	0.11	0.103	3200	4800	64200	68420	96200	102700	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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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STRUCTURAL ENGINEERING DIVISION

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

To,

Assistant Resident Engineer
NESPAK - ACE (Pvt) Ltd. Jv
PRSWSSP Ahmedpur Sial
Punjab Rural Municipal Services Company
Punjab Rural Sustianable Water Supply and Sanitation Project (PRSWSSP)
Pilot Phase Cluster South (Package 1 & 2) Ahmedpur Sial

Reference # CED/TFL **5285** (Dr. M Rizwan Riaz) Dated: 28-06-2024
Reference of the request letter # PRSWSSP/ARE/APS/L/1228 Dated: 29-05-2024

Tension Test Report (Page -1/1)

Date of Test 01-07-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615 (Hunza Stee)

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	0.373	3	0.373	0.11	0.110	3100	4500	62200	62400	90200	90600	1.20	15.0	
2	0.373	3	0.374	0.11	0.110	3100	4500	62200	62320	90200	90500	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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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 Allied Rental Services
Multan Road, Lahore

Reference # CED/TFL **5286** (Dr. M Rizwan Riaz) Dated: 28-06-2024
Reference of the request letter # Nil Dated: 28-06-2024

Tension Test Report (Page – 1/1)

Date of Test 01-07-05-2024
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	**16**	**0.97**	**13800**	
2	**21**	**1.70**	**23700**	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only two samples for Test				

I/C Testing Laboratoires
UET Lahore, Pakistan.

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

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

To,

Assistant Manager (Civil)
Civil Works Sub-Division No. 2
GEPCO, Gujrat
(Construction of New GEPCO Office Building Shahana Lok Sub Division with Complaint Office at Mong Road Near Protien farm M.B. Din.)

Reference # CED/TFL **5287** (Dr. Safeer Abbas) Dated: 1-07-2024
Reference of the request letter # 105-108 Dated: 14-06-2024

Tension Test Report (Page -1/1)

Date of Test 01-07-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615 (Mehboob Steel)

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	0.408	3	0.391	0.11	0.120	3500	5300	70200	64360	106200	97500	1.30	16.3	
2	0.371	3	0.372	0.11	0.109	2600	3700	52100	52600	74200	74900	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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