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
GMHP Consultants
Design, Procurment and Construction of 84 MW Gorkin – Matiltan Hydropower Project.

Reference # CED/TFL **5258** (Dr. Asif Hameed) Dated: 14-06-2024
Reference of the request letter # 7983-86/PM/30/GMHPP/2024 Dated: 08-06-2024

Tension Test Report (Page -1/1)

Date of Test 14-06-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615 (New Islamabad Steel)

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	0.394	10	9.76	0.12	0.116	3400	5100	62464	64660	93696	97000	1.20	15.0	
2	0.394	10	9.75	0.12	0.116	3450	5100	63382	65670	93696	97100	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Bend Test

10mm Dia Bar Bend Test Through 180º is Satisfactory

Witness by M Afzal (ME GMHP)

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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Ref: CED/TFL/06/5259 Dated: 14-06-2024

Dated of Test: 14-06-2024

To

Senior Project Manager
One Serene Residence Private Limited.
Construction of One Serene Residence Project, Islamabad.

Subject: **- TESTING OF DOUBLE C-CHANNEL / Pile Anchorage ASSEMBLY FOR LOAD.**

Reference to your letter no. OSR/LTR/231/Project, dated: 10/06/2024 on the above mentioned subject. One Double C-Channel Assembly for load test as received by us has been tested and results are given below:

Sr. No.	Applied Load	Remarks
1	980 kN	2mm deflection at Mid Span was observed at applied load of 980 kN.

I/C Testing Laboratoires
UET Lahore, Pakistan.

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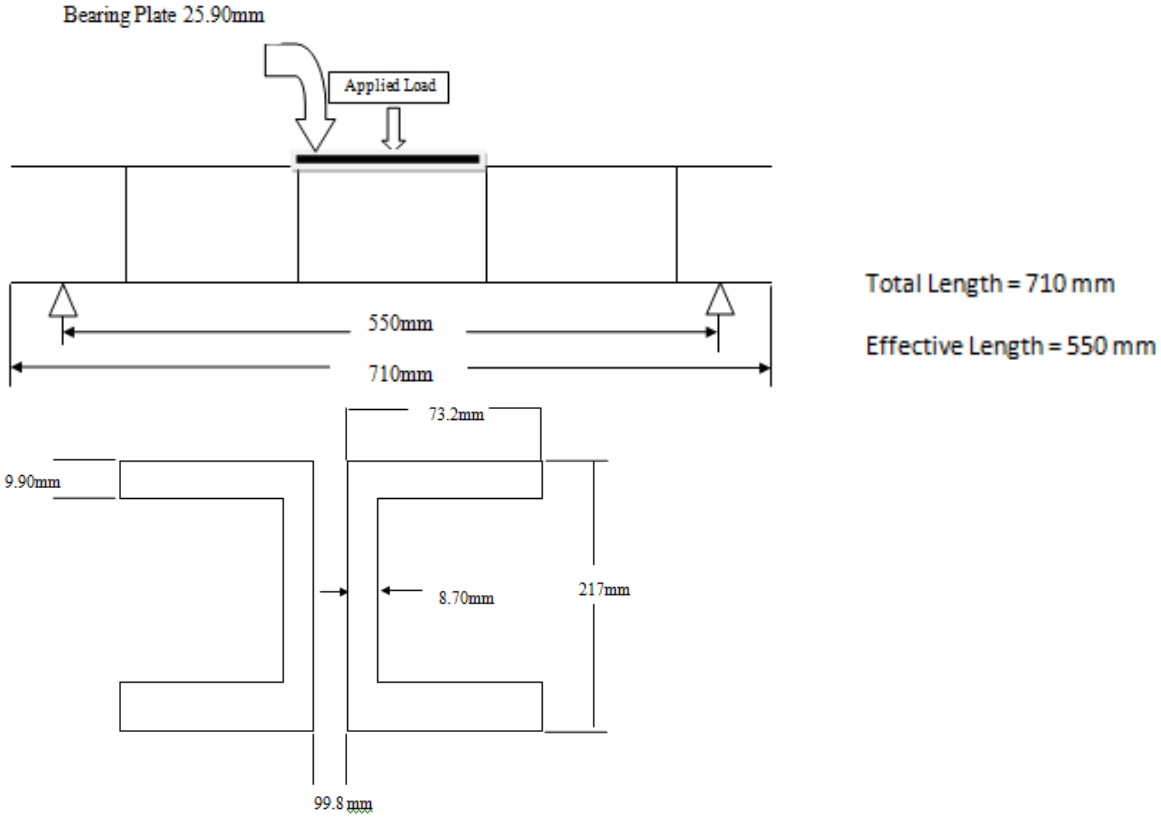

Total Length = 710 mm

Effective Length = 550 mm

I/C Testing Laboratoires
UET Lahore, Pakistan.

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