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 United RCC Pipe Factory
Faisalabad
(TOBISHMA CORPORATION)
The Project for the Improvement of Water Treatment Plant and Water Distribution System in Faisalabad in the Islamic Republic of Pakistan.

Reference # CED/TFL **3886** (Dr. M Kashif) Dated: 08-09-2023
Reference of the request letter# 223 Dated: 08-09-2023

Tension Test Report (Page -1/1)

Date of Test 11-09-2023
Gauge length 8 inches
Description Plain Steel Bar Tensile Test

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	0.175	2	0.256	-------	0.051	1400	1920	-------	60100	-------	82500	1.50	18.8	
2	0.175	2	0.256	-------	0.051	1400	1960	-------	59920	-------	83900	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: only two sample for tensile test														
Bend Test														

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/09/3887 Dated: 08-09-2023

Dated of Test: 11-09-2023

To

Assistant Director (QCD)
WASA, LDA, Lahore
(M/s Future Pipe Industry Gujranwala)

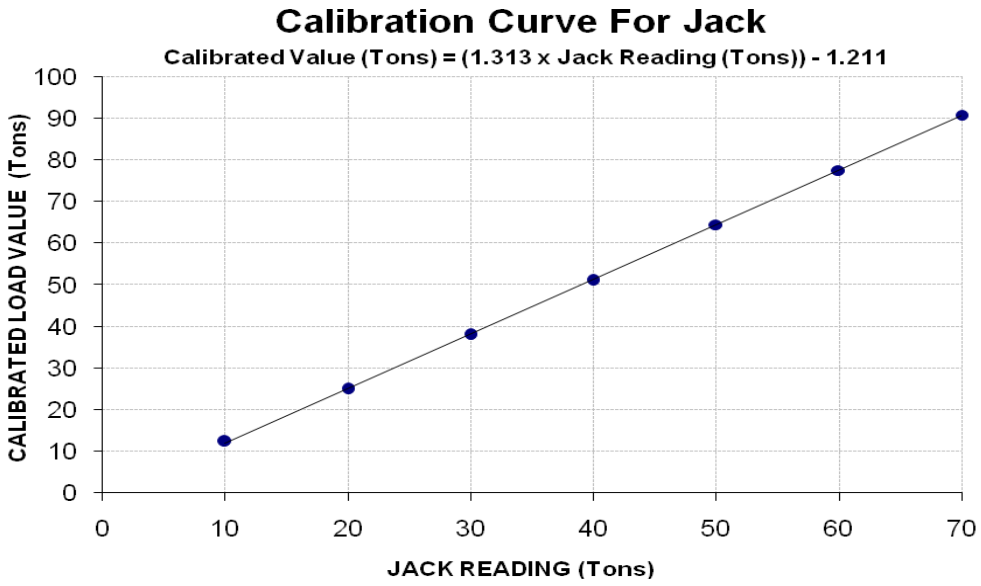
Subject: **- CALIBRATION OF HYDRAULIC JACK WITH GAUGE**
(MARK: TFL/09/3887)

Reference to your Letter No. QCD/1451-52, Dated: 04/09/2023 on the subject cited above. One Hydraulic Jack with Gauge as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 100 (Ton)
Calibrated Range : Zero - 80 (Ton)

Hydraulic Jack Reading (Ton)		**10**	**20**	**30**	**40**	**50**	**60**	**70**
Calibrated Load	**(kg)**	**11200**	**22600**	**34500**	**46400**	**58600**	**70500**	**82600**
	(Ton)	**12**	**25**	**38**	**51**	**65**	**78**	**91**

1000 Kg = 1.1011 Ton



I/C Testing Laboratoires
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To,

M/S Amanah Noor Residence
Wapda Town, Lahore

Reference # CED/TFL **3888** (Dr. M Kashif) Dated: 11-09-2023
Reference of the request letter # Nil Dated: 11-09-2023

Tension Test Report (Page -1/1)

Date of Test 11-09-2023
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	0.368	3	0.371	0.11	0.108	3800	4600	76200	77350	92200	93700	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one 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,

Asst Dir Infra
Defence Housing Authority, Gujranwala
"Sector L"

Reference # CED/TFL **3890** (Dr. Safeer Abbass) Dated: 11-09-2023
Reference of the request letter # 111/3/AD/RS/Lab/Sec L/435 Dated: 05-09-2023

Tension Test Report (Page -1/1)

Date of Test 11-09-2023
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	0.372	3	0.373	0.11	0.109	3400	4800	68200	68490	96200	96700	1.20	15.0	Sheikhoo Steel
2	0.371	3	0.373	0.11	0.109	3500	4700	70200	70670	94200	94900	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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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