



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

Ref: CED/TFL/09/3855
2023

Dated: 04-09-

Dated of Test: 06-09-2023

To

Construction Manager
State Grid

China Power Equipment and Technology Co., Ltd.

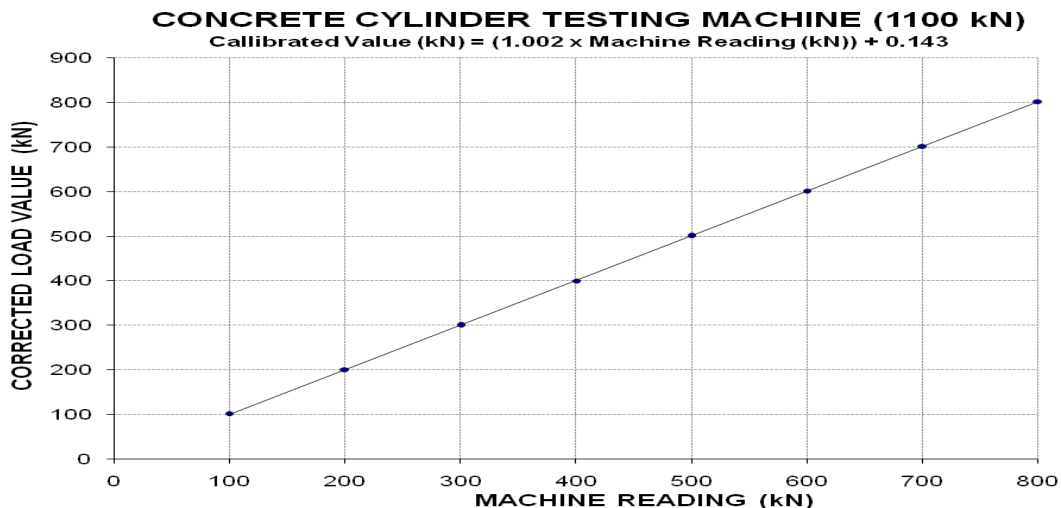
Procurement of Plant, Design, Supply, Installation, Testing and Commissioning of 500/220/132kV Lahore North Substation and Extension Works at 500/220/132kV Nokhar Substation.

Subject:- CALIBRATION OF CONCRETE CYLINDER TESTING MACHINE
(MARK: CED/TFL/09/3855)

Reference to your letter No. CET/ADB-300AR/S/2023-24, dated: 01/09/2023 on the subject cited above. One Concrete Cylinder Testing Machine has been calibrated by using standard calibration device. The results are tabulated as under:

Total Range : Zero - 1100 (kg)
Calibrated Range : Zero - 800 (kg)

Machine Reading (kN)	100	200	300	400	500	600	700	800
Corrected Load Value (kN)	102	200	300	400	500	602	702	802



I/C Testing Laboratories
UET Lahore, Pakistan.

Note:

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2. The above results pertain to sample /samples supplied to this laboratory.
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Ref: CED/TFL/09/3861

Dated: 05-09-2023

Dated of Test: 06-09-2023

To

Resident Engineer
Asian Consulting Engineers
Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP)
Engineering Design and Construction Supervision of Cluster South-I

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 - 08a]** (Page # 1/1)

Reference to your letter No. AsCE/PRSWSSP/CS1/SITE-010, dated 04.09.2023 on the subject cited above. One R.C.C. Pipe as received by us has been tested.

The results are tabulated as under.

Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(inch)	(inch)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	12	7.79	7.33	16.14	11.84	2.15	12000	15500	3658	4724

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To

Umair Latif,
Development Engineer,
University of the Punjab,
Lahore.

“Construction of Law College Graduate Block (Phase-I) at University
Law College at Q.A.C, University of the Punjab, Lahore.

Reference # CED/TFL **3873** (Dr. M. Yousaf)

Dated: 06-09-2023

Reference of the request letter # D-3357-DE

Dated: 05-09-2023

Tension Test Report (Page -1/2)

Date of Test 06-09-2023

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	4000	4680	80200	80590	93800	94300	1.00	12.5	
2	0.372	3	0.373	0.11	0.109	4000	4640	80200	80640	93000	93600	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratories
UET Lahore, Pakistan.

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To,

Assistant Engineer
 (Civil)
 University of Engineering and Technology, Lahore
 “Construction of Upper Floor of Existing Building of the Department Computer Science,
 Main Campus UET Lahore”

Reference # CED/TFL **3859** (Dr. M Kashif)

Dated: 04-09-2023

Reference of the request letter # B&W/ECSCE/11

Dated: 01-09-2023

Tension Test Report (Page -2/2)

Date of Test

05-09-2023

Gauge length

8 inches

Description

Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.382	3	0.378	0.11	0.112	4380	5100	87800	85880	102200	100000	1.00	12.5	
2	0.381	3	0.378	0.11	0.112	4380	5150	87800	86230	103200	101400	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratories
UET Lahore, Pakistan.

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To

Engr. Naveed Sadiq,
Resident Engineer,
Orbit Housing

Subject:“The Springs Apartment Homes”

Reference # CED/TFL **3877** (Dr.Kashif)
Reference of the request letter # NIL

Dated: 06-09-2023
Dated: 06-09-2023

Tension Test Report (Page -1/2)

Date of Test 06-09-2023

Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.367	3	0.371	0.11	0.108	3520	4900	70600	71900	98200	100100	0.90	11.3	
2	0.365	3	0.370	0.11	0.107	3180	4640	63800	65260	93000	95300	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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