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/08/1810 Dated: 22-08-2022

Dated of Test: 09-09-2021

To

Manager
Sinohydro Corporation Limited
Procurement of Plant, Supply, Installation, Testing and Commission of Three (03) 220 kV Transmission Lines Associated with Lahore North Sub Station.

Subject:- CALIBRATION OF CONCRETE CYLINDER CRUSHING MACHINE OF 250000 (Lbs) (MARK: CED/TFL/08/810) (Page # 1/2)

Reference to your letter No. ADB-301B/2018/522, dated: 19/07/2022 on the subject cited above. One Concrete Cylinder Crushing Machine No. 3134 12 602 has been calibrated by using standard calibration device. The results are tabulated as under:

Total Range : Zero – 250000 (Lbs)

Calibrated Rang : Zero – 200000 (Lbs)

Machine Reading (Lbs)	Corrected Load Value (Lbs)	Machine Reading (Lbs)	Corrected Load Value (Lbs)	Machine Reading (Lbs)	Corrected Load Value (Lbs)	Machine Reading (Lbs)	Corrected Load Value (Lbs)
5000	7955	55000	55880	15000	103723	155000	153615
10000	12968	60000	60254	110000	108543	160000	158557
15000	17763	65000	65175	115000	113592	165000	163059
20000	22122	70000	70114	120000	118635	170000	168110
25000	26808	75000	74817	125000	123679	175000	173270
30000	31712	80000	79520	130000	128394	180000	178527
35000	36943	85000	84224	135000	133851	185000	183911
40000	41411	90000	89156	140000	138243	190000	188635
45000	45929	95000	94194	145000	143184	195000	193908

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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50000	50959	100000	99233	150000	148565	200000	199627

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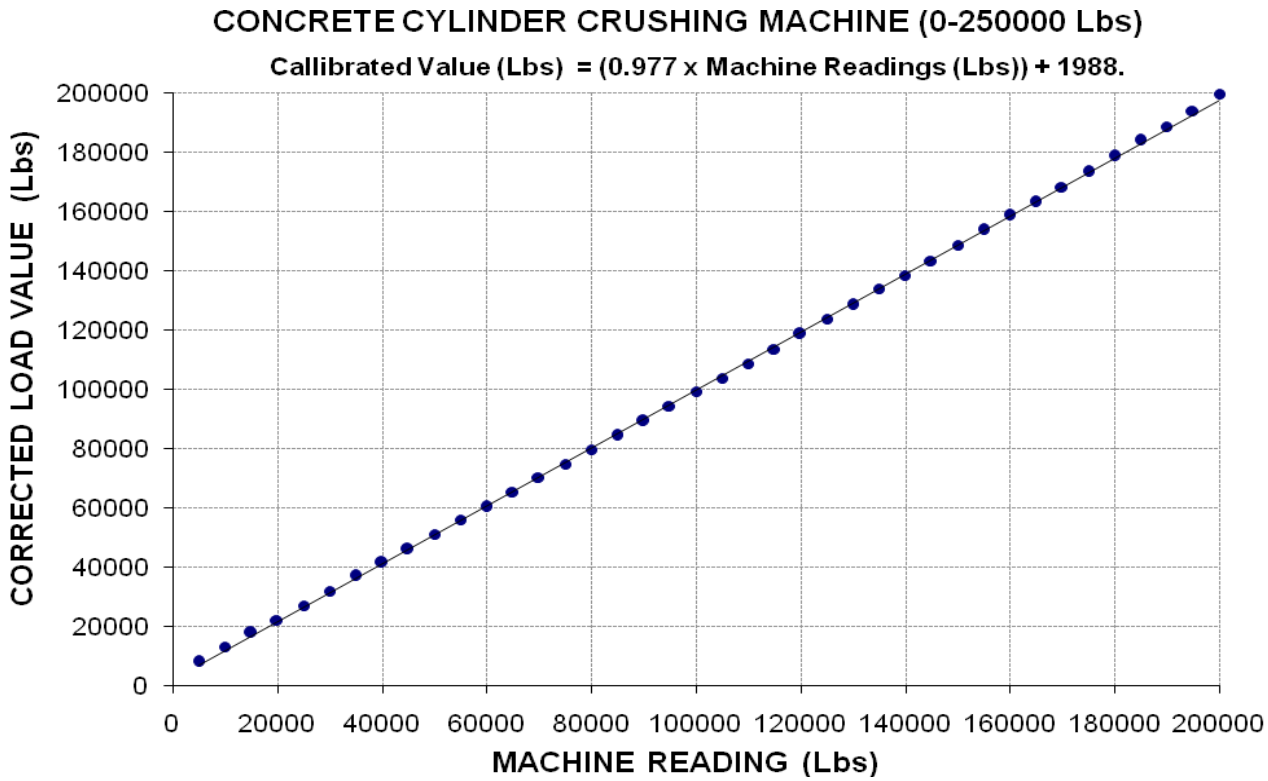

Witness by M Mehtab Sinkadar (Senior Engineer NESPAK)

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To,
Asstt. Technical Officer
PAEC, WASO, SWP, D.G. Khan

Reference # CED/TFL **1916** (Engr. Ubaid Ahmed) Dated: 09-09-2022
Reference of the request letter # SWP/W(2486)/22 Dated: 08-09-2022

Tension Test Report (Page -1/1)

Date of Test 09-09-2022
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	4600	70200	70110	92200	92200	1.20	15.0	
2	0.370	3	0.372	0.11	0.109	3450	4550	69200	69940	91200	92300	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
UET Lahore, Pakistan.

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