



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/11/2215
2022

Dated: 01-11-

Dated of Test: 08-11-2022

To
Engineer's Representative
NESPAK

Construction of Additional Block at Pakistan Engineering Council (PEC)
Headquarters, G-5/2, Islamabad

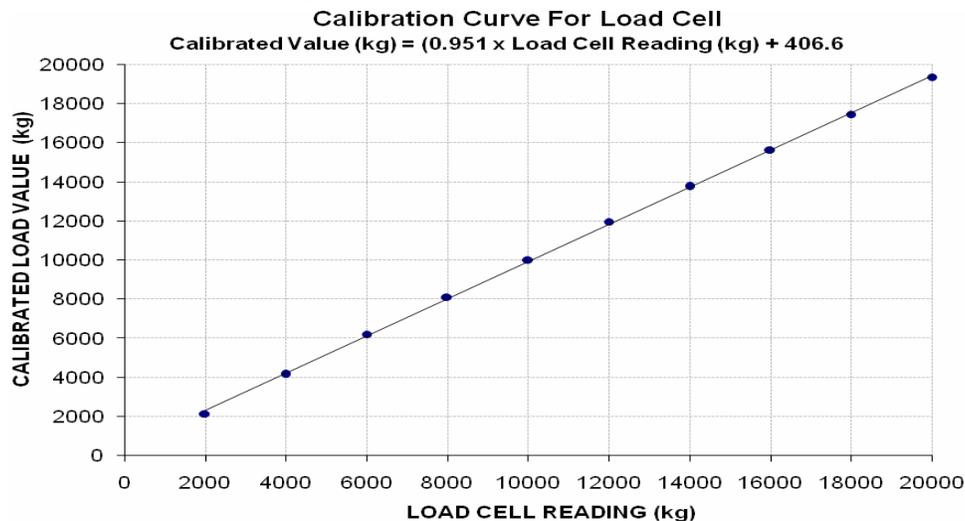
Subject: - **CALIBRATION OF LOAD CELL (MARK: TFL/11/2215)** (Page -1/2)

Reference to your Letter No. 4125/321/NS/05/511, Dated: 27/10/2022 on the subject cited above. One Load Cell No. 1211183 as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 50000 (kg)
Calibrated Range : Zero - 20000 (kg)

Load Cell Reading (kg)	2000	4000	6000	8000	10000	12000	14000	16000	18000	20000
Calibrated Load (kg)	2150	4150	6200	8100	10000	11950	13750	15650	17450	19350

Witness by Abdul Karim (Sub Engr. NESPAK)



I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

- 1- You can See your reports On Internet in the following web site
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To
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Construction of Additional Block at Pakistan Engineering Council (PEC)
Headquarters, G-5/2, Islamabad

Subject: - CALIBRATION OF DIAL GAUGES (MARK: TFL/11/2215) (Page # 2/2)

Reference to your Letter No. 4125/321/NS/05/511, Dated: 27/10/2022 on the subject cited above. Four Dial Gauges as received by us have been calibrated on standard calibration device. The results are tabulated as under.

Total Range : Zero - 50 (mm)
Calibrated Range : Zero - 50 (mm)

Standard Reading	Dial Gauge Readings			
	Dial Gauge No. I (4C18877)	Dial Gauge No. II (4C18896)	Dial Gauge No. III (1A14447)	Dial Gauge No. IV (4C188908)
400	396	390	393	393
800	797	790	495	792
1200	1197	1188	1194	1191
1600	1597	1589	1594	1594
2000	1997	1987	1994	1990
2400	2397	2387	2393	2390
2800	2798	2786	3793	2788
3200	3198	3185	3192	3188
3600	3599	3585	3592	3586
4000	3999	3984	4992	3985
4400	4399	4381	4390	4382
4800	4800	4782	4791	4780
5000	5000	4981	4991	4980

Witness by Abdul Karim (Sub Engr. NESPAK)

I/C Testing Laboratoires
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Ref: CED/TFL/11/2217
2022

Dated: 01-11-

Dated of Test: 08-11-2022

To

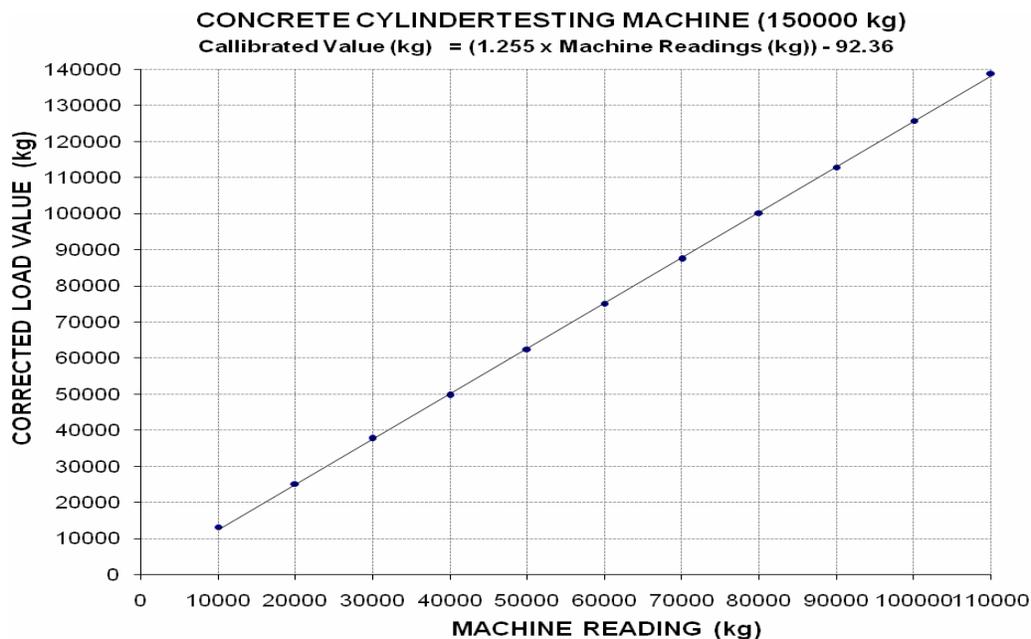
M/S Unze Trading (Pvt) Limited
Lahore
(Sahinwala Pole Plant, Faisalabad)

Subject:- CALIBRATION OF CONCRETE CYLINDER TESTING MACHINE
(MARK: CED/TFL/11/2217) (Page -1/1)

Reference to your letter No. UNZE/7089/2022, dated: 01/11/2022 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 - 150000 (kg)
Calibrated Range : Zero - 110000 (kg)

Machine Reading (kg)	10000	20000	30000	40000	50000	60000	80000	90000	100000	110000
Corrected Load Value (kg)	13149	25161	37649	49615	62351	75099	87361	100062	112724	125624



I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Chief Executive
 Technical Associates Pakistan (Pvt) Ltd.
 Construction of New Cardiac Center within Sheikh Zayed Medical Complex at Rahim Yar Khan

Reference # CED/TFL **2249** (Dr. M Rizwan Riaz)
 Reference of the request letter # HO/TAPL-NCC/11032

Dated: 07-11-2022
 Dated: 04-11-2022

Tension Test Report (Page -1/1)

Date of Test 08-11-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.362	3/8	0.368	0.11	0.107	3100	4900	62200	64150	98200	101400	1.20	15.0	Afco Steel
2	0.370	3/8	0.372	0.11	0.109	3100	5000	62200	62890	100200	101500	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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To,
M/S Rupafil Limited.
Lahore

Reference # CED/TFL **2251** (Dr. M Rizwan Riaz)
Reference of the request letter # Nil

Dated: 07-11-2022
Dated: 07-11-2022

Tension Test Report (Page -1/1)

Date of Test 08-11-2022
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.405	3/8	0.389	0.11	0.119	3600	4800	72200	66700	96200	89000	1.70	21.3	
2	0.403	3/8	0.388	0.11	0.118	3600	5000	72200	67050	100200	93200	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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