



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/01/34530
2020

Dated: 23-01-

Dated of Test: 28-01-2020

To
M/S Engineering Associated Precast (Pvt) Ltd
Lahore

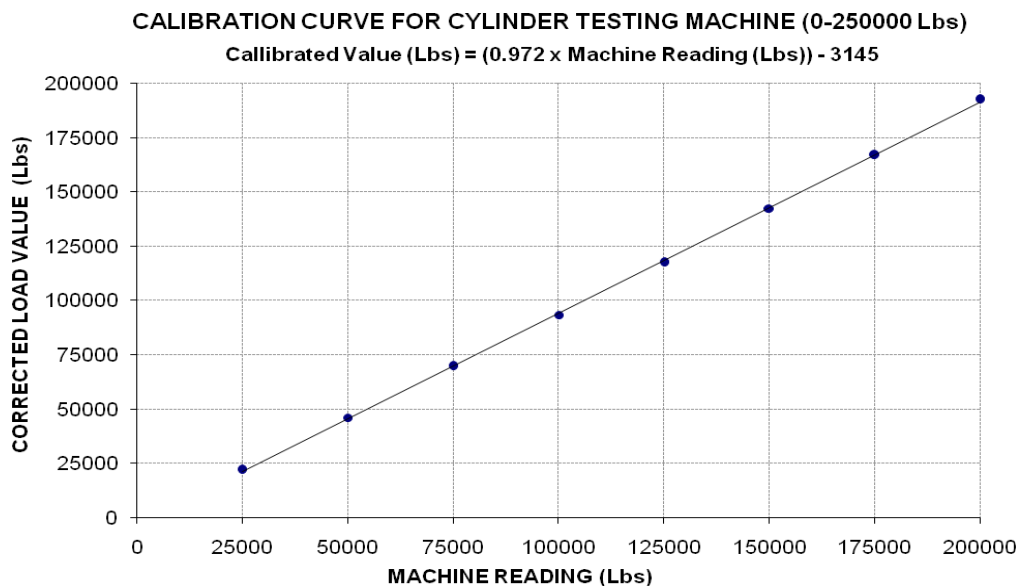
Subject:- CALIBRATION OF CYLINDER TESTING MACHINE OF 250000 lbs
(MARK: CED/TFL/01/34530)

Reference to your letter No. Nil, dated: 09/01/2020 on the subject cited above. One Cylinder Testing Machine 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	25000	50000	75000	100000	125000	150000	175000	200000
Corrected Load Value	21941	45856	69640	93318	117393	142379	166975	192551



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



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

To,
Resident Engineer
Techno Consultant International (Pvt) Ltd
CPEC Package-1

Reference # CED/TFL **34540** (Dr. Ali Ahmed)
Reference of the request letter # RE/CPEC/DIK/2020/620

Dated: 24-01-2020
Dated: 23-01-2020

Tension Test Report (Page – 1/2)

Date of Test 28-01-2020
Gauge length -----
Description Chain Link Fence Fabric and Tension Wire Tensile Test as per AASHTO M-181

Sr. No.	Diameter of Single Wire	Breaking Load	Remarks
	(mm)	(kN)	
1	3.20	2.50	Fence Fabric
2	3.00	7.00	Tension Wire
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Only Two Samples for Test			

I/C Testing Laboratories
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



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

To,
Resident Engineer
Techno Consultant International (Pvt) Ltd
CPEC Package-1

Reference # CED/TFL **34540** (Dr. Ali Ahmed)
Reference of the request letter # RE/CPEC/DIK/2020/621

Dated: 24-01-2020
Dated: 23-01-2020

Tension Test Report (Page – 2/2)

Date of Test 28-01-2020
Gauge length -----
Description Chain Link Fence Fabric and Tension Wire Tensile Test as per AASHTO
M-181

Sr. No.	Diameter of Single Wire	Breaking Load	Remarks
	(mm)	(kN)	
1	3.20	2.65	Fence Fabric
2	3.10	7.00	Tension Wire
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Only Two Samples for Test			

I/C Testing Laboratories
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



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

To,
Sub Divisional Officer
For Director General Intelligence
Islamabad

Reference # CED/TFL **34541** (Dr. Waseem Abbas)
Reference of the request letter # 3145/Gen/Sec-62 (P)

Dated: 24-01-2020
Dated: 22-01-2020

Tension Test Report (Page – 1/1)

Date of Test 28-01-2020
Gauge length -----
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load		Remarks / Coil No.
	(mm)	(kg/km)	(kg)	(kN)	
1	12	479.08	7500	73.58	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
Only one sample for Test					

I/C Testing Laboratories
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



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

To,
Deputy CRE
Zeeruk International (Pvt) Ltd
Lahore Sialkot Motorway Project

Reference # CED/TFL **34544** (Dr. Ali Ahmed)
Reference of the request letter # LSMP/DCRE/2020/1410

Dated: 24-01-2020
Dated: 23-01-2020

Tension Test Report (Page – 1/1)

Date of Test 28-01-2020
Gauge length -----
Description Galvanized Mesh Wire & Tension Wire Tensile Test

Sr. No.	Diameter of Single Wire	Breaking Load	Remarks
	(mm)	(kN)	
1	3.0	2.60	Mesh Wire
2	3.0	2.55	
3	3.0	2.60	
4	3.0	2.30	
5	3.0	3.40	
6	3.0	3.55	
7	3.0	3.05	
8	3.0	6.70	Tension Wire
9	3.0	6.65	
10	3.0	5.60	
Only Ten Samples for 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



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

To,
 Sub Divisional Officer
 Buildings Sub Division, Jhang
 (Construction of 2 Additional Class Rooms in Government Girls Primary School Namdar Phully
 Tehsil & District Jhang)
 Reference # CED/TFL **34546** (Dr. Waseem Abbass) Dated: 27-01-2020
 Reference of the request letter # 581 Dated: 20-12-2019

Tension Test Report (Page -1/1)

Date of Test 28-01-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile 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	0.356	3/8	0.365	0.11	0.105	3200	6000	64200	67460	120300	126500	0.50	6.3	
2	0.356	3/8	0.365	0.11	0.105	3300	5500	66200	69490	110200	115900	0.50	6.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples 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



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

To,
 Sr. Project Manager
 Izhar Construction (Pvt) Ltd
 Construction of Dolmen Shopping Mall DHA Lahore

Reference # CED/TFL **34547** (Dr. Waseem Abbass)
 Reference of the request letter # ICPL/DHA/Dolmen/05

Dated: 27-01-2020
 Dated: 24-01-2020

Tension Test Report (Page -1/1)

Date of Test 28-01-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		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	0.416	10	10.02	0.12	0.122	4800	6000	88184	86520	110230	108200	0.90	11.3	Amreli Steel
2	0.415	10	10.00	0.12	0.122	3900	5300	71650	70550	97370	95900	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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



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

To,
 Manager, QA/QC Department
 Bahria Town Private Limited, Lahore
 Masjid at Hussain Block (Nargis Block) Sestro 'C' Bahria Town Mulatn Road, Lahore

Reference # CED/TFL **34548** (Dr. Waseem Abbass)
 Reference of the request letter # QA/QC-Steel-1811

Dated: 27-01-2020
 Dated: 22-01-2020

Tension Test Report (Page -1/1)

Date of Test 28-01-2020
 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	0.358	3	0.366	0.11	0.105	3900	4900	78200	81600	98200	102600	1.00	12.5	Mughal Supereme
2	0.360	3	0.367	0.11	0.106	3600	5000	72200	74900	100200	104100	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 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



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

To,
 Senior Manager Civil - OTL
 Orient
 Orient Sqaure Hostel Tower Johar Town, Lahore

Reference # CED/TFL **34550** (Dr. Waseem Abbas)
 Reference of the request letter # ORIENT/Hostel Tower/Steel/036

Dated: 27-01-2020
 Dated: 27-01-2020

Tension Test Report (Page -1/1)

Date of Test 28-01-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		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	4.140	32	31.62	1.25	1.217	34400	56600	60671	62310	99824	102600	1.20	15.0	
2	4.158	32	31.69	1.25	1.222	35200	57200	62082	63470	100882	103200	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
32mm Dia Bar Bend Test Through 180° is Satisfactory														

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



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

To,
 Resident Engineer
 NESPAK
 Construction of Under Passes at Kashmir Bridge along Canal Faisalabad
 (Mughal Steel)

Reference # CED/TFL **34551** (Dr. Waseem Abbas)
 Reference of the request letter # 3994/103/AS/02/190

Dated: 27-01-2020
 Dated: 24-01-2020

Tension Test Report (Page -1/1)

Date of Test 28-01-2020
 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	0.359	3	0.366	0.11	0.105	3600	4600	72200	75280	92200	96200	1.10	13.8	
2	0.374	3	0.374	0.11	0.110	3700	4700	74200	74230	94200	94300	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#3 Bar Bend Test Through 180° is Satisfactory														

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



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

To,
 Sub Divisional Officer
 Buildings Sub Division No. 6
 Lahore
 (Addition/Alteration & Improvement Works in Office Buildings in Punjab Civil Secretarial
 Lahore (S&GAD & Old Health Block)

Reference # CED/TFL **34554** (Dr. Waseem Abbass)
 Reference of the request letter # 232/Sd-6th

Dated: 27-01-2020
 Dated: 20-01-2020

Tension Test Report (Page -1/1)

Date of Test 28-01-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile 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	0.370	3/8	0.372	0.11	0.109	3100	4600	62200	62880	92200	93400	1.50	18.8	
2	0.373	3/8	0.374	0.11	0.110	3200	4600	64200	64280	92200	92400	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples 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



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 Mina Construction Company
D.I. Khan
(M Khalid and Sons)

Reference # CED/TFL **34557** (Dr. Ali Ahmed)
Reference of the request letter # RE/CPEC/DIK/2020/615

Dated: 27-01-2020
Dated: 27-01-2020

Tension Test Report (Page – 1/1)

Date of Test 28-01-2020
Gauge length -----
Description Tension Wire Tensile Test as per AASHTO M-181

Sr. No.	Diameter of Single Wire	Breaking Load	Remarks
	(mm)	(kN)	
1	3.00	6.80	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Only One Sample for 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



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 Defence Housing Authority.
Lahore Cantt
(Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI (M/s Construct))

Reference # CED/TFL **34561** (Dr. Asad Ali)

Dated: 28-01-2020

Reference of the request letter # 408/241/E/Lab/834/4546

Dated: 27-01-2020

Tension Test Report (Page -1/1)

Date of Test 28-01-2020

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	0.377	3	0.376	0.11	0.111	3720	5270	74600	73950	105600	104800	1.20	15.0	Kamran Steel
2	0.374	3	0.374	0.11	0.110	3590	5200	72000	71900	104200	104200	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 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