



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

To,
Office Manager
IVCC Engineering (Pvt) Ltd
Lahore

Reference # CED/TFL **34623** (Dr. Waseem Abbas)
Reference of the request letter # 05/CX-Samples/08

Dated: 06-02-2020
Dated: 17-01-2020

Tension Test Report (Page – 1/1)

Date of Test 12-02-2020
Gauge length 2 inches
Description Sheet Steel Strip Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	6	27.00x6.00	162.00	4500	7500	272.50	454.17	0.70	35.00	
2	6	27.00x6.00	162.00	4600	7500	278.56	454.17	0.70	35.00	
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.	
.	
.	
Only Two Samples for Tensile Test										
Bend Test										

To,
M/S Echo West International (Pvt) Ltd

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

Lahore
 (Bangla Desh Embisy)
 Reference # CED/TFL **34643** (Dr. Waseem Abbass)
 Reference of the request letter # Nil

Dated: 10-02-2020
 Dated: 10-02-2020

Tension Test Report (Page -1/1)

Date of Test 12-02-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile 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	0.422	3	0.397	0.11	0.124	3800	5000	76200	67550	100200	88900	1.20	15.0	
2	0.417	3	0.395	0.11	0.123	3600	4900	72200	64660	98200	88100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

To,
 Sub Divisional Officer

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
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Buildings Sub Division Pakpattan
 (School Education Sector under construction of Additional Class Rooms Construction of 4 No.
 Class Rooms in Govt: Primary School Sardool Khurd P O Malka Hans District Pakpattan)

Reference # CED/TFL **34644** (Dr. Waseem Abbass)
 Reference of the request letter # 222/SDO-PPN

Dated: 10-02-2020
 Dated: 16-01-2020

Tension Test Report (Page -1/3)

Date of Test 12-02-2020
 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	0.364	3/8	0.369	0.11	0.107	2800	4300	56200	57720	86200	88700	1.50	18.8	
2	0.365	3/8	0.370	0.11	0.107	2900	4300	58200	59530	86200	88300	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratories
UET Lahore, Pakistan.

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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 Pakpattan
 (School Education Sector under construction of Additional Class Rooms Construction of 4 No.
 Class Rooms in Govt: Primary School Nosher Bodla District Pakpattan)

Reference # CED/TFL **34644** (Dr. Waseem Abbass)
 Reference of the request letter # 220/SDO-PPN

Dated: 10-02-2020
 Dated: 16-01-2020

Tension Test Report (Page -2/3)

Date of Test 12-02-2020
 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	0.365	3/8	0.370	0.11	0.107	2800	4200	56200	57470	84200	86300	1.30	16.3	
2	0.366	3/8	0.370	0.11	0.108	2900	4200	58200	59450	84200	86100	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Test Floor Laboratory
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To,
 Sub Divisional Officer
 Buildings Sub Division Pakpattan
 (School Education Sector under construction of Additional Class Rooms Construction of 4 No.
 Class Rooms in Govt: Primary School Gaamey Khan P O District Pakpattan)

Reference # CED/TFL **34644** (Dr. Waseem Abbass)
 Reference of the request letter # 212/SDO-PPN

Dated: 10-02-2020
 Dated: 16-01-2020

Tension Test Report (Page -3/3)

Date of Test 12-02-2020
 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	2900	4300	58200	58800	86200	87200	1.40	17.5	
2	0.367	3/8	0.371	0.11	0.108	2900	4300	58200	59170	86200	87800	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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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
AL-Imam Enterprises Pvt.Ltd
Construction of Gold Crest Mall and Residency Phase 4, DHA, Lahore

Reference # CED/TFL **34645** (Dr. Ali Ahmed)

Dated: 10-02-2020

Reference of the request letter # Al-Imam/01/GIGA/DHA/LHE/1088

Dated: 03-01-2020

Weight & Size Test Report (Page – 1/1)

Date of Test 12-022020

Gauge length -----

Description M.S Pipe Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	External Diameter	Internal Diameter	Wall Thickness	Remark
	(inch)	(g)	(mm)	(kg/m)	(mm)	(mm)	(mm)	
1	1	828	300.0	2.76	33.80	26.30	3.75	
2	1.25	1094	303.30	3.61	42.45	34.85	3.80	
3	1.50	1201	302.10	3.98	48.50	40.90	3.80	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
Only Three Samples for Test								

I/C Testing Laboratories
UET Lahore, Pakistan.

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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
 Building Sub Division
 Arifwala
 (School Education Sector under construction of Additional Class Rooms Construction of 2 No.
 Class Rooms in Govt; Girls Primary School Sardool Dhotan Wala Tehsil Arifwala District
 Pakpattan)
 Reference # CED/TFL **34646** (Dr. Waseem Abbass) Dated: 10-02-2020
 Reference of the request letter # 1297/SDO-A Dated: 18-01-2020

Tension Test Report (Page -1/1)

Date of Test 12-02-2020
 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	0.382	3/8	0.378	0.11	0.112	4000	5100	80200	78620	102200	100300	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

I/C Testing Laboratoires
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Pakistan. Ph: 92-42-99029202

To,
 Sub Divisional Officer
 Building Sub Division
 Pakpattan
 (School Education Sector under construction of Additional Class Rooms Construction of 2 No.
 Class Rooms in Govt; Girls Primary School Shah Khagha District Pakpattan)
 Reference # CED/TFL **34647** (Dr. Waseem Abbass) Dated: 10-02-2020
 Reference of the request letter # 230/SDO-PPN Dated: 18-01-2020

Tension Test Report (Page -1/1)

Date of Test 12-02-2020
 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	0.378	3/8	0.376	0.11	0.111	4200	5300	84200	83350	106200	105200	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

I/C Testing Laboratoires
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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
 School at Bahria Orchard-4

Reference # CED/TFL **34651** (Dr. Waseem Abbass)
 Reference of the request letter # QA/QC-Steel-2020

Dated: 11-02-2020
 Dated: 11-02-2020

Tension Test Report (Page -1/1)

Date of Test 12-02-2020
 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	0.374	3	0.374	0.11	0.110	3600	4900	72200	72100	98200	98200	1.40	17.5	FF Steel
2	0.375	3	0.374	0.11	0.110	3700	5000	74200	74080	100200	100100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

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STRUCTURAL ENGINEERING DIVISION
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Pakistan. Ph: 92-42-99029202

To,
 Manager C/R & M
 Engineering Cell Multan
 Allied Bank Limited
 (ABL Construction Project of Musafir Khana Branch (0673), Region Bahawalpur)

Reference # CED/TFL **34653** (Dr. Waseem Abbass)
 Reference of the request letter # Nil

Dated: 11-02-2020
 Dated: 07-02-2020

Tension Test Report (Page -1/1)

Date of Test 12-02-2020
 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	0.423	3/8	0.398	0.11	0.124	4300	5800	86200	76310	116300	103000	1.10	13.8	
2	0.420	3/8	0.397	0.11	0.124	4200	5700	84200	74920	114300	101700	0.90	11.3	
3	0.420	3/8	0.396	0.11	0.123	4500	6000	90200	80410	120300	107300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Test Floor Laboratory
Department of Civil Engineering
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Ref: CED/TFL/02/34655

Dated: 11-02-2020

Dated of Test: 12-02-2020

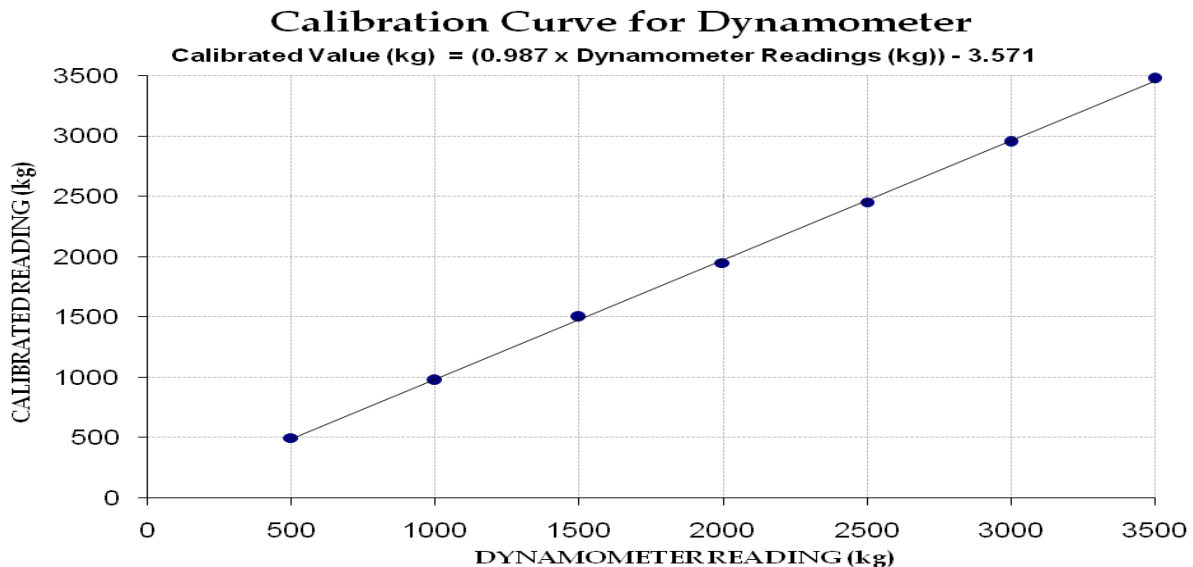
To
Managing Director
R.K. Construction Pvt Ltd.
P.C Pole Plant Chicho Ki Mallian

Subject: - CALIBRATION OF DYNAMOMETER (MARK: TFL/02/34655) (Page -1/1)

Ref: Your letter No. RKC/DYNAMO METER/515, dated: 11/02/2020 on the subject cited above. One Dynamometer as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 5000 (kg)
Calibrated Range : Zero - 4500 (kg)

Dynamometer Readings (kg)	500	1000	1500	2000	2500	3000	3500
Calibrated Readings (kg)	500	975	1500	1950	2450	2950	3475



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UET Lahore, Pakistan.

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