



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

To,
 Project Manager
 Century Venture
 Century Venture 1, MM Alam Road, Lahore

Reference # CED/TFL **2166** (Dr. Waseem Abbass)
 Reference of the request letter# CV1/ST/04

Dated: 21-10-2022
 Dated: 21-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022
 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	0.368	0.11	0.107	3000	4500	60200	62080	90200	93200	1.20	15.0	Pk Steel
2	0.361	3	0.367	0.11	0.106	2900	4400	58200	60260	88200	91500	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.

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,
 Station Incharge
 PARCO Terminal Station # 4
 Sargodha Road District Shekhupura
 M/s Rachna Enterprises.

Reference # CED/TFL **2167** (Dr. Ali Ahmed)

Dated: 24-10-2022

Reference of the request letter # 1PARCO-M/S Rachna Enterprises 01-2022 Dated: 24-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022

Gauge length 8 inches

Description Deformed Steel Bar Tensile 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	0.390	10	9.71	0.12	0.115	3300	4900	60627	63420	90021	94200	1.40	17.5	Prime Supreme
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
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To,
 M/S Prime Steel Re-Rolling Mills
 Sheikhupura
 Reference # CED/TFL **2168** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 24-10-2022

Dated: 24-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022

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	0.409	3	0.391	0.11	0.120	3400	5000	68200	62290	100200	91600	1.40	17.5	Prime Steel
2	0.401	3	0.387	0.11	0.118	3700	5500	74200	69150	110200	102800	1.20	15.0	
3	0.406	3	0.390	0.11	0.119	3700	5400	74200	68370	108200	99800	1.50	18.8	
4	0.404	3	0.389	0.11	0.119	3700	5200	74200	68740	104200	96700	1.50	18.8	
5	0.408	3	0.391	0.11	0.120	3700	5500	74200	68000	110200	101100	1.30	16.3	
6	0.404	3	0.389	0.11	0.119	3900	5700	78200	72330	114300	105800	1.50	18.8	
7	0.400	3	0.387	0.11	0.118	3700	5400	74200	69390	108200	101300	1.30	16.3	

Note: only seven samples for tensile and seven samples for bend test

Bend Test

#3 Bar Bend Test Through 180° is Satisfactory

#3 Bar Bend Test Through 180° is Satisfactory

#3 Bar Bend Test Through 180° is Satisfactory

#3 Bar Bend Test Through 180° is Satisfactory

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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

Ref: CED/TFL/10/2169

Dated: 24-10-2022

Dated of Test: 26-10-2022

To

Chief Executive
StrongForce Private Limited
Lucky Cement Limited, PEZU, D.I. Khan

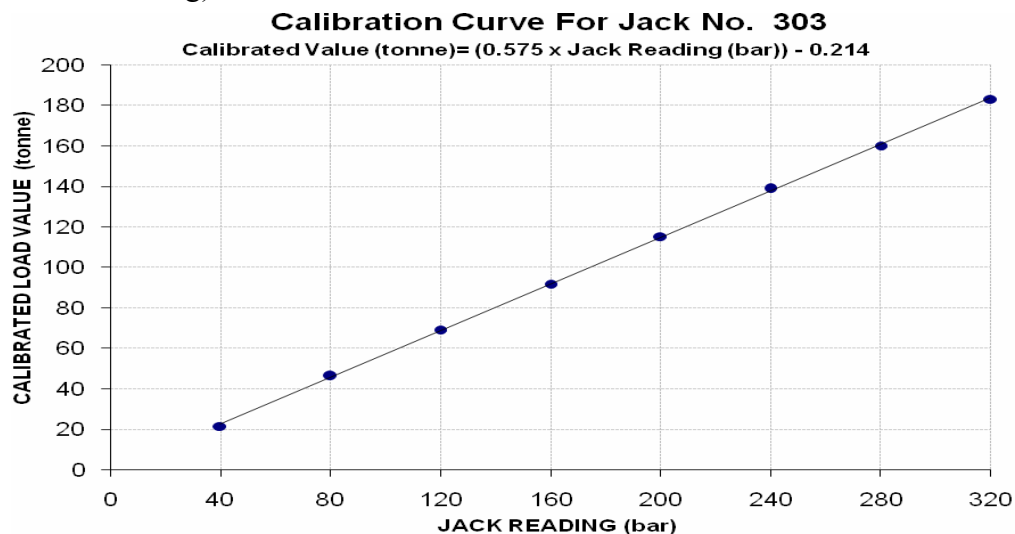
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/10/2169) (Page -1/4)

Reference to your Letter No. L22/10-11531, dated: 21/10/2022 on the subject cited above. One Hydraulic Jack (Jack No. 303, Gauge No. SF-303) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 320 (bar)

Hydraulic Jack Reading (bar)		40	80	120	160	200	240	280	320
Calibrated Load	(kg)	21600	46400	69200	91800	115400	139000	160200	183200
	(Tonne)	21.60	46.40	69.20	91.80	115.40	139.00	160.20	183.20
Calibrated Pressure (bar)		36.85	79.17	118.07	156.63	196.89	237.16	273.33	312.57

(1 Tonne = 1000 kg) The Ram Area of Jack = 574.8 cm²



I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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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

Ref: CED/TFL/10/2169

Dated: 24-10-2022

Dated of Test: 26-10-2022

To

Chief Executive
StrongForce Private Limited
Lucky Cement Limited, PEZU, D.I. Khan

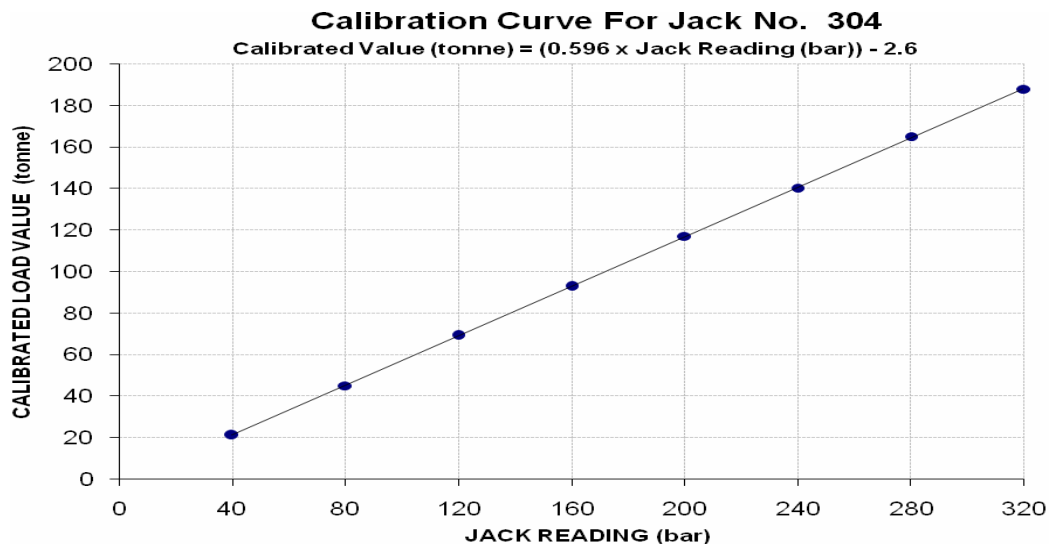
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/10/2169) (Page -2/4)

Reference to your Letter No. L22/10-11531, dated: 21/10/2022 on the subject cited above. One Hydraulic Jack (Jack No. 304, Gauge No. SF-304) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 320 (bar)

Hydraulic Jack Reading (bar)	40	80	120	160	200	240	280	320	
Calibrated Load	(kg)	21200	45000	69200	92800	117000	140200	165000	188000
	(Tonne)	21.20	45.00	69.20	92.80	117.00	140.20	165.00	188.00
Calibrated Pressure (bar)	36.17	76.78	118.07	158.33	199.62	239.20	281.52	320.76	

(1 Tonne = 1000 kg) The Ram Area of Jack = 574.8 cm²



I/C Testing Laboratoires
UET Lahore, Pakistan.

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Ref: CED/TFL/10/2169

Dated: 24-10-2022

Dated of Test: 26-10-2022

To

Chief Executive
StrongForce Private Limited
Lucky Cement Limited, PEZU, D.I. Khan

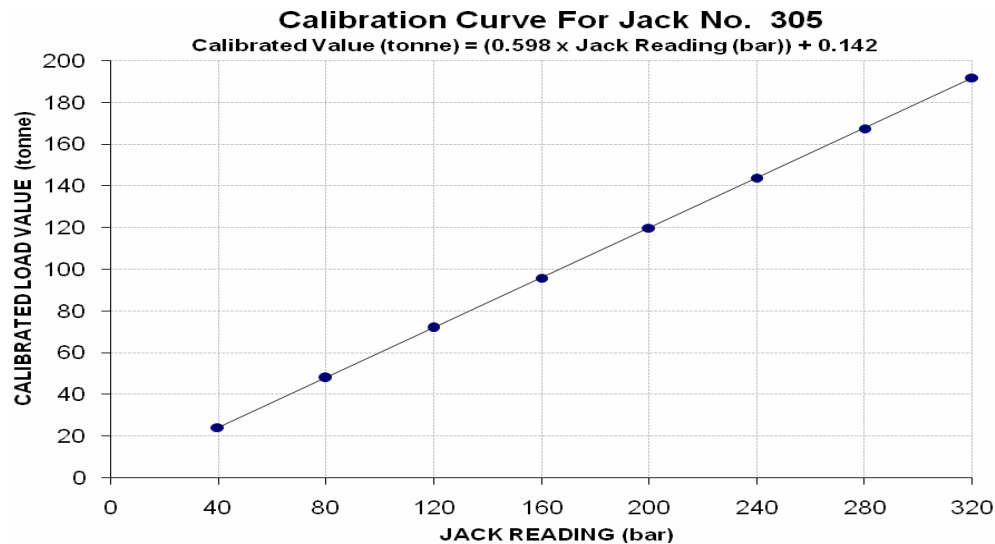
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/10/2169) (Page -3/4)

Reference to your Letter No. L22/10-11532, dated: 21/10/2022 on the subject cited above. One Hydraulic Jack (Jack No. 305, Gauge No. SF-305) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 320 (bar)

Hydraulic Jack Reading (bar)	40	80	120	160	200	240	280	320	
Calibrated Load	(kg)	24200	48000	72000	95800	119800	143800	167400	192000
	(Tonne)	24.20	48.00	72.00	95.80	119.80	143.80	167.40	192.00
Calibrated Pressure (bar)	41.29	81.90	122.84	163.45	204.40	245.35	285.61	327.58	

(1 Tonne = 1000 kg) The Ram Area of Jack = 574.8 cm²



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

Ref: CED/TFL/10/2169

Dated: 24-10-2022

Dated of Test: 26-10-2022

To

Chief Executive
StrongForce Private Limited
Lucky Cement Limited, PEZU, D.I. Khan

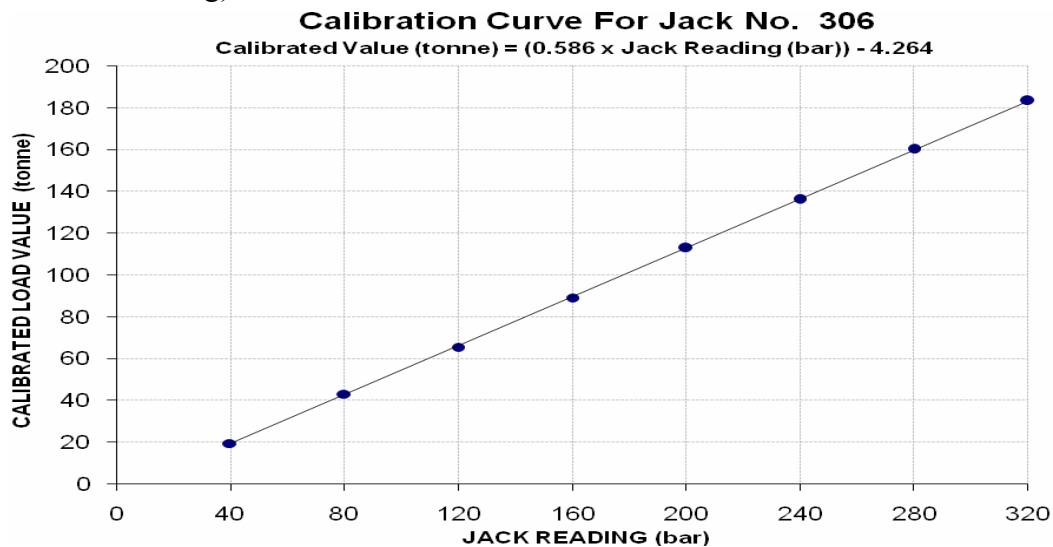
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/10/2169) (Page -1/4)

Reference to your Letter No. L22/10-11532, dated: 21/10/2022 on the subject cited above. One Hydraulic Jack (Jack No. 306, Gauge No. SF-306) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 320 (bar)

Hydraulic Jack Reading (bar)	40	80	120	160	200	240	280	320	
Calibrated Load	(kg)	19400	43000	65600	89200	113000	136200	160200	183400
	(Tonne)	19.40	43.00	65.60	89.20	113.00	136.20	160.20	183.40
Calibrated Pressure (bar)	33.10	73.36	111.92	152.19	192.80	232.38	273.33	312.91	

(1 Tonne = 1000 kg) The Ram Area of Jack = 574.8 cm²



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,
 Sub Divisional Officer
 Buildings Sub Division No. 9
 Lahore
 (Master Planning of Qurban Lines Lahore (Phase-1). Construction of BS(18-19) Apartments at Qurban Lines, Lahore)
 Reference # CED/TFL 2172 (Dr. Ali Ahmed) Dated: 24-10-2022
 Reference of the request letter # 674/9th Dated: 14-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022
 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	0.354	3/8	0.364	0.11	0.104	2800	4100	56200	59230	82200	86800	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
 AXEN E&M
 GE (Air) Rafiui
 “Rehabilitation of Training Ground and Provision of Allied Services for Sports Facilities at PAF Base Rafiui” (CA No. CEAf-CZ-07/2023)

Reference # CED/TFL **2173** (Dr. Ali Ahmed)
 Reference of the request letter # 6621/52/E-6

Dated: 24-10-2022
 Dated: 20-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022
 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	0.351	3/8	0.362	0.11	0.103	2800	4100	56200	59820	82200	87600	1.40	17.5	
2	0.349	3/8	0.362	0.11	0.103	2800	4100	56200	60120	82200	88100	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.

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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
 Islam Barrage Consultants (IBC)
 Rehabilitation and Modernization of Islam Barrage

Reference # CED/TFL **2174** (Dr. Ali Ahmed)
 Reference of the request letter # IBC/RE/UET-50

Dated: 24-10-2022
 Dated: 23-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022
 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	0.384	3	0.379	0.11	0.113	3500	4800	70200	68430	96200	93900	1.20	15.0	FF Steel
2	0.384	3	0.379	0.11	0.113	3600	4800	72200	70360	96200	93900	1.30	16.3	
3	0.384	3	0.379	0.11	0.113	3800	4900	76200	74200	98200	95700	1.30	16.3	
4	0.380	3	0.377	0.11	0.112	3500	4700	70200	69100	94200	92800	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four sample 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.

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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,
 Project Manager
 The Vertical
 94 Business Center Khaban A Jinnah Main Pne Avenue Road Lahore

Reference # CED/TFL **2176** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 24-10-2022
 Dated: 24-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022
 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	0.381	3	0.378	0.11	0.112	3900	5200	78200	76720	104200	102300	1.30	16.3	FF Steel
2	0.381	3	0.378	0.11	0.112	3800	5000	76200	74720	100200	98400	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two sample 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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Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
M/S Amanah Noor Residence
Wapda Town, Lahore

Reference # CED/TFL **2178** (Dr. Ali Ahmed)
Reference of the request letter # Nil

Dated: 25-10-2022

Dated: 25-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022
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	0.368	3	0.371	0.11	0.108	3100	4800	62200	63210	96200	97900	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
 Manager Procurement
 Petrocon (Pvt) Ltd
 Relocation of MCH-01 Tank Project at Shell Pakistan Machike Depot.
 M/S Shell Pakistan Ltd.

Reference # CED/TFL **2180** (Dr. Ali Ahmed)
 Reference of the request letter # 100/UET-P331/TEST

Dated: 25-10-2022
 Dated: 24-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile 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	0.377	10	9.54	0.12	0.111	4700	5500	86347	93590	101044	109600	1.10	13.8	Amreli Steel	
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Note: only one sample for tensile test															
Bend Test															

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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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,
 Quantity Surveyor
 M/S Linker
 Construction of Hassan & Hama Residence, DHA Phase VIII, Sector-A, Lahore

Reference # CED/TFL **2182** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 25-10-2022
 Dated: 25-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022
 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	0.404	3	0.389	0.11	0.119	4700	5700	94200	87160	114300	105800	1.00	12.5	Afco Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 Laboratoires
UET Lahore, Pakistan.

Note:

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- 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 Director (Maint)
 National Highway Authority
 Rehabilitation of Damaged Rigid Pavement at Km 1416-1482 (NBC & SBC)

Reference # CED/TFL **2183** (Dr. Ali Ahmed) Dated: 25-10-2022
 Reference of the request letter # Gen/DD(Maint)/WZD/NHA/2022/1355 Dated: 18-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022
 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	0.354	10	9.24	0.12	0.104	2700	4100	49604	57260	75324	87000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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:

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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,
 Project Director
 Overseas Construction Co. (Pvt) Ltd
 Gulberg City Centre, Lahore

Reference # CED/TFL **2184** (Dr. Ali Ahmed)
 Reference of the request letter # OCC/Steel/06

Dated: 25-10-2022
 Dated: 25-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022
 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	4.214	10	1.256	1.27	1.239	36000	54200	62500	64070	94100	96500	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#10 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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- 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 O.K. International
Lahore

Reference # CED/TFL 2192 (Dr. Ali Ahmed)
Reference of the request letter# Nil

Dated: 26-10-2022
Dated: 26-10-2022

Tension Test Report (Page -1/1)

Date of Test 26-10-2022
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	0.372	3	0.373	0.11	0.109	3400	4700	68200	68590	94200	94900	1.20	15.0	
2	0.374	3	0.374	0.11	0.110	3600	4800	72200	72120	96200	96200	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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 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