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/02/6515 (Dr. Ali Ahmed) Dated: 11-02-2025

Dated of Test: 14-02-2025

To

M. Hassan Khan
Resident Engineer, NESPAK
Scheme # 16 - Rehabilitation / Improvement / Patch Work on Link Road UC - 42, 43, 44, 46, 47 Shalimar Zone Phase-II.
Scheme # 19 - Rehabilitation / Improvement / Patch Work on Link Road UC – 164, 165, 166, 167 Shalimar Zone Phase-II.

Subject: **TESTING OF R.C.C. PIPE**

Reference to your letter No. 4084/103/LDP/SMZ(S-16&19)/04/20, dated 18.01.2025 on the subject cited above. One R.C.C. Pipe as received by us has been tested.

The results are tabulated as under.

Sr. No.	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(inch)	(inch)	(inch)	(kg)	(kg)	Lbs/Linear foot/foot	Lbs/Linear foot/foot
1	9	7.79	7.28	12.50	9.44	1.53	7500	9600	2887	3696

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

Ref: CED/TFL/02/6530 Dated: 12-02-2025

Dated of Test: 13-02-2025

To

Assistant Director (QCD)
WASA, LDA, Lahore
(M/s Future Pipe Industry, Lahore.)

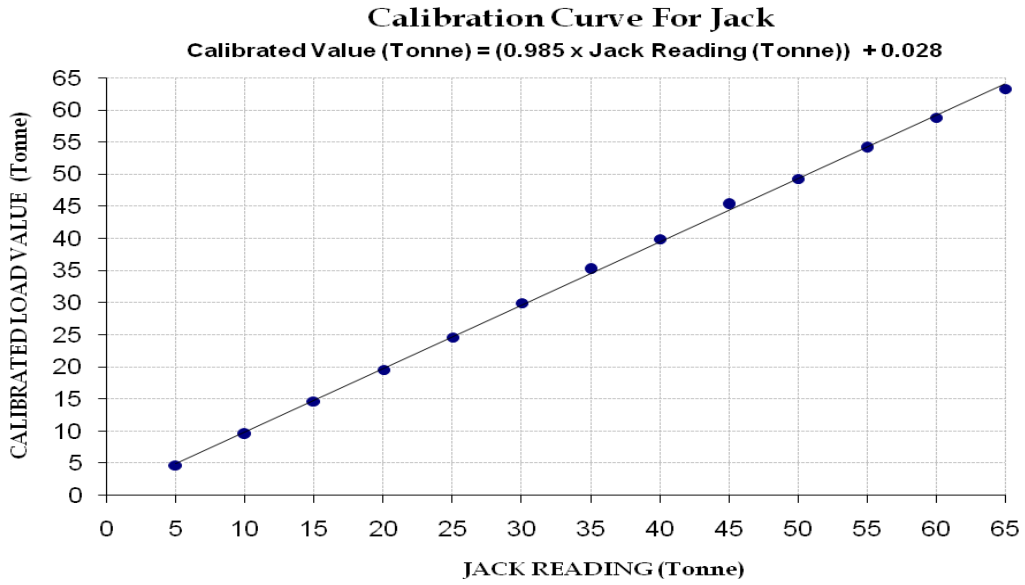
Subject: **- CALIBRATION OF HYDRAULIC JACK WITH GAUGE**
(MARK: TFL/02/6530)

Reference to your Letter No. QCD/511, Dated: 10/02/2025 on the subject cited above. One Hydraulic Jack with Gauge as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 80 (Tonne)
Calibrated Range : Zero - 65 (Tonne)

Hydraulic Jack Reading (Tonne)		5	10	15	20	25	30	35	40	45	50	55	60	65
Calibrated Load	(kg)	4700	9500	14600	19550	24600	29900	35200	39900	45300	49300	54100	58800	63300
	(Tonne)	4.70	9.50	14.60	19.55	24.60	29.90	35.20	39.90	45.30	49.30	54.10	58.80	63.30

1000 kg = 1 Tonne



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,

Syed Mustafa Ali
Sr. Project Manager, PGC
Construction of Horse Stable Building at Punjab Agri Farms, Kasur.

Reference # CED/TFL **6531** (Dr. M Kashif) Dated: 12-02-2025
Reference of the request letter # Q.A/Q.C/PGC/2025 Dated: 11-02-2025

Tension Test Report (Page -1/1)

Date of Test 14-02-2025
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	0.373	3	0.374	0.11	0.110	3800	4800	76200	76350	96200	96500	1.10	13.8	
2	0.371	3	0.373	0.11	0.109	3900	4800	78200	78730	96200	96900	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3Bar Bend Test Through 180º is Satisfactory														

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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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
Public Health Engineering Sub Division
Toba Tek Singh
(Rehabilitation of Rural Water Supply Scheme Chak # 327/GB Tehsil & District Toba Tek Sungh (ADP 2024-25 # 6195)

Reference # CED/TFL **6532** (Dr. M Kashif) Dated: 12-02-2025
Reference of the request letter # 29/PHE-SD-TTS Dated: 04-02-2025

Tension Test Report (Page -1/1)

Date of Test 14-02-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.354	3/8	0.364	0.11	0.104	2400	3600	48100	50890	72200	76400	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180º 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
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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,

Syed Ahmad Azaz
Assistant Project Director
PMU-SBP, Gujranwala
"Construction of Sports Complex in Gujranwala. (GS No. 248)"

Reference # CED/TFL **6533** (Dr. M Kashif) Dated: 12-02-2025
Reference of the request letter # APD/PMU/SBP/GRW/24/683 Dated: 27-12-2024

Tension Test Report (Page -1/2)

Date of Test 14-02-2025
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	0.384	3	0.379	0.11	0.113	3500	4800	70200	68430	96200	93900	1.40	17.5	
2	0.381	3	0.378	0.11	0.112	3500	4800	70200	68900	96200	94500	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

Note:
1- You can See your reports On Internet in the following web site
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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,

Syed Ahmad Azaz
Assistant Project Director
PMU-SBP, Gujranwala
"Construction of Multipurpose Sports Complex in Tehsil Sambrial Sialkot. (GS No. 254)"

Reference # CED/TFL **6533** (Dr. M Kashif) Dated: 12-02-2025
Reference of the request letter # APD/PMU/SBP/GRW/24/684 Dated: 27-12-2024

Tension Test Report (Page -2/2)

Date of Test 14-02-2025
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	0.384	3	0.379	0.11	0.113	3500	4800	70200	68430	96200	93900	1.40	17.5	
2	0.381	3	0.378	0.11	0.112	3500	4800	70200	68900	96200	94500	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

Note:
1- You can See your reports On Internet in the following web site
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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
Kasur Forest Division
At Changa Manga
(Construction of Boundary Wall at Changa Manga Plantation.)

Reference # CED/TFL **6536** (Dr. M Kashif) Dated: 12-02-2025
Reference of the request letter # 934/AC Dated: 07-02-2025

Tension Test Report (Page -1/1)

Date of Test 14-02-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.376	3/8	0.375	0.11	0.111	3500	5400	70200	69710	108200	107600	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one 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
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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
Guarantee Engineers Pvt Ltd.
Construction of Atlas Tower Gulberg Lahore.

Reference # CED/TFL **6537** (Dr. Ali Ahmed) Dated: 12-02-2025
Reference of the request letter # GE Atlas 401/2025 Dated: 12-02-2025

Tension Test Report (Page -1/1)

Date of Test 14-02-2025
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	0.372	3	0.373	0.11	0.109	3800	5100	76200	76580	102200	102800	1.00	12.5	
2	0.371	3	0.373	0.11	0.109	3700	5100	74200	74690	102200	103000	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

#3Bar Bend Test Through 180º is Satisfactory

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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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
Sunshina Health Care Private Limited.
Sunshine Medical Tower Shahdra.

Reference # CED/TFL **6538** (Dr. M Kashif) Dated: 12-02-2025
Reference of the request letter # Nil Dated: 12-02-2025

Tension Test Report (Page -1/1)

Date of Test 14-02-2025
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	0.364	3	0.369	0.11	0.107	3300	5200	66200	67940	104200	107100	1.40	17.5	
2	0.370	3	0.372	0.11	0.109	3400	5300	68200	68970	106200	107600	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

#3Bar Bend Test Through 180º 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

Ref: CED/TFL/02/6540 (Dr. Ali Ahmed) Dated: 13-02-2025

Dated of Test: 14-02-2025

To

M. Hassan Khan
Resident Engineer, NESPAK
Scheme # 15 - Rehabilitation / Improvement / Patch Work on Link Roads UC - 24, 26, 27, 28, 31, 40, 41 Shalimar Zone MCL.
Scheme # 17 - Rehabilitation / Improvement / Patch Work on Link Roads UC – 121, 125, 126, 127, 153, 154, 156 Shalimar Zone Phase-II MCL.

Subject: **TESTING OF R.C.C. PIPE**

Reference to your letter No. 4084/103/LDP/SMZ(S-15&17)/04/20, dated 16.01.2025 on the subject cited above. One R.C.C. Pipe as received by us has been tested.

The results are tabulated as under.

Sr. No.	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(inch)	(inch)	(inch)	(kg)	(kg)	Lbs/Linear foot/foot	Lbs/Linear foot/foot
1	9	7.73	7.28	12.00	9.00	1.50	7800	9800	3150	3957

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,

Director Projects
Sheikhoo Sugar Mills (Steel Division)
Sheikhoo Steel
Anwar Abad Kot Addu, Muzaffargarh

Reference # CED/TFL **6541** (Dr. M Kashif) Dated: 13-02-2025
Reference of the request letter # Nil Dated: 11-02-2025

Tension Test Report (Page -1/2)

Date of Test 14-02-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile 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	0.370	3	0.372	0.11	0.109	3500	4800	70200	70880	96200	97200	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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
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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,

Director Projects
Sheikhoo Sugar Mills (Steel Division)
Sheikhoo Steel
Anwar Abad Kot Addu, Muzaffargarh

Reference # CED/TFL **6541** (Dr. M Kashif) Dated: 13-02-2025
Reference of the request letter # Nil Dated: 11-02-2025

Tension Test Report (Page -2/2)

Date of Test 14-02-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.410	10	9.95	0.12	0.120	3700	5300	67975	67700	97370	97000	1.40	17.5	
2	4.159	32	31.69	1.25	1.223	38000	53600	67020	68510	94533	96700	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,

Resident Engineer
Mascon Associates (Pvt) Ltd. Jv HA Consulting
Construction of Autism School, Lahore.

Reference # CED/TFL **6545** (Dr. M Kashif) Dated: 13-02-2025
Reference of the request letter # HAC-MAC/24/ECAS/Lab/011 Dated: 07-02-2025

Tension Test Report (Page -1/1)

Date of Test 14-02-2025
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	0.376	3	0.375	0.11	0.110	3300	4800	66200	65850	96200	95800	1.30	16.3	Ittefaq Steel
2	0.379	3	0.377	0.11	0.111	3400	4900	68200	67280	98200	97000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

Note:
1- You can See your reports On Internet in the following web site
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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,

Shahid Shabbir
Senior SDO (B&R)
Army Welfare Trust Housing Scheme.
Construction of Mosque in Block E2 AWT Housing Scheme Phase-2, Lahore.

Reference # CED/TFL **6547** (Dr. M Kashif) Dated: 13-02-2025
Reference of the request letter # AWRES/Dev-N/Ph-2 Dated: 13-02-2025

Tension Test Report (Page -1/1)

Date of Test 14-02-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.369	3/8	0.372	0.11	0.108	3800	4900	76200	77260	98200	99700	1.20	15.0	Mughal Steel
2	0.367	3/8	0.370	0.11	0.108	3600	4700	72200	73640	94200	96200	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

3/8" Dia Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

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University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

M/S Altec International
Lahore

Reference # CED/TFL **6548** (Dr. M Kashif) Dated: 13-02-2025
Reference of the request letter # Nil Dated: 13-02-2025

Tension Test Report (Page – 1/1)

Date of Test 14-02-2025
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	**8.3**	**0.26**	**5000**	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for 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,

Ghulam Mustafa
Project Manager, Liberty Builders
Construction of Zee Avenue - Ramada Hotel & Suites 17-a Cooper Road, Lahore.

Reference # CED/TFL **6554** (Dr. Safeer Abbass) Dated: 14-02-2025
Reference of the request letter # SPT/UET/20250214 Dated: 14-02-2025

Tension Test Report (Page – 1/1)

Date of Test 14-02-2025
Gauge length 2 inches
Description Mild Steel Plate Steel Strip Tensile Test as per ASTM A-36

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	2	25.80x1.60	41.28	1500	2000	356	475	0.60	30.00	
2	2	25.80x1.60	41.28	1600	2000	380	475	0.70	35.00	
3	2	25.90x1.50	38.85	1600	2050	404	518	0.70	35.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Three 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,

ARE
MM Pakistan (Pvt) Ltd.
Comprehensive Sewerage System in Okara City Under Punjab Cities Program.
Package - 1 Sewerage System
Package - 2 Construction of Waste Water Treatment Plant.

Reference # CED/TFL **6555** (Dr. Irfan ul Hassan) Dated: 14-02-2025
Reference of the request letter # MMP/MCO/PCP/370/2025 Dated: 03-02-2025

Tension Test Report (Page -1/1)

Date of Test 14-02-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.364	9.5	9.38	0.11	0.107	29.50	44.00	60300	61880	89900	92300	1.20	15.0	Aziz Steel
2	0.361	9.5	9.34	0.11	0.106	28.50	43.00	58300	60330	87900	91100	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one samples for bend test

Bend Test

9.5mm Dia Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

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