



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
(Const. Of OHWT & Tube Well X-Block Ph-III - (M/s N.A. Associates)(Jamal)

Reference # CED/TFL **32543** (Dr. Waseem Abbas)
Reference of the request letter # 408/241/E/Lab/423/637

Dated: 31-01-2019
Dated: 23-01-2019

Tension Test Report (Page – 1/1)

Date of Test 12-02-2019
Gauge length 2 inches
Description MS Pipe Steel Strip Tensile and Bend Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)									
1	MS Pipe	250/300	36.30x6.00	217.80	6000	9300	270.25	418.88	0.85	42.50	
2	MS Pipe	250/300	39.00x6.00	234.00	6800	10100	285.08	423.42	1.00	50.00	
3	MS Pipe	250/300	39.10x6.30	246.33	7000	11800	278.77	469.93	0.80	40.00	
4	MS Pipe	250/300	38.10x6.40	243.84	7200	11600	289.67	466.68	0.75	37.50	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
Only Four Samples for Tensile and Two Samples for Bend Test											
Bend Test											
Strip Taken from MS Pipe (250/300mm) Bend Test Through 180° is Satisfactory											
Strip Taken from MS Pipe (250/300mm) 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
 SMEC International Pty Ltd
 Peshawar–Karachi Motorway (PKM) Consultants Sukkur – Multan Section (392 km) (Section-6)

Reference # CED/TFL **32549** (Dr. Waseem Abbas)
 Reference of the request letter # 5065057/6/6/402

Dated: 01-02-2019
 Dated: 30-01-2019

Tension Test Report (Page – 1/2)

Date of Test 12-02-2019
 Gauge length 2 inches
 Description Steel Pipe Steel Strip Tensile and Bend 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	82	24.80x4.10	101.68	2900	4000	279.79	385.92	0.50	25.00	
2		24.80x4.00	99.20	3100	4100	306.56	405.45	0.50	25.00	
3	128	24.80x6.10	151.28	5700	7300	369.63	473.38	0.60	30.00	
4		24.80x6.10	151.28	5800	7400	376.11	479.87	0.70	35.00	
5	203	24.80x8.20	203.36	6700	9600	323.21	463.10	0.50	25.00	
6		24.80x8.20	203.36	6900	9800	332.85	472.75	0.60	30.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Six Samples for Tensile and Three Samples for Bend Test										
Bend Test										
Strip Taken from Steel Pipe 82mm Dia Bend Test Through 180° is Satisfactory										
Strip Taken from Steel Pipe 128mm Dia Bend Test Through 180° is Satisfactory										
Strip Taken from Steel Pipe 203mm Dia 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
SMEC International Pty Ltd
Peshawar–Karachi Motorway (PKM) Consultants Sukkur – Multan Section (392 km) (Section-6)

Reference # CED/TFL **32549** (Dr. Waseem Abbas)
Reference of the request letter # 5065057/6/6/402

Dated: 01-02-2019
Dated: 30-01-2019

Weight & Size Test Report (Page – 2/2)

Date of Test 12-02-2019
Gauge length -----
Description Steel Pipe Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	External Diameter	Internal Diameter	Thickness	Remark
	(mm)	(g)	(cm)	(kg/m)	(mm)	(mm)	(mm)	
1	82	8258	99.20	8.32	89.00	80.6	4.20	
2	128	20100	100.40	20.02	140.90	128.1	6.40	
3	203	41950	101.20	41.45	218.80	202.4	8.20	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
Only Three 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
 Al-Imam Enterprises Pvt. Ltd
 Construction of Penta Square, Phase-V, DHA, Lahore

Reference # CED/TFL 32555 (Dr. Waseem Abbas)

Dated: 01-02-2019

Reference of the request letter # Al-Imam/746/PS-1/DHA/LHE/768

Dated: 01-02-2019

Tension Test Report (Page – 1/3)

Date of Test 12-02-2019

Gauge length 2 inches

Description MS Pipes Steel Strip Tensile Test as per ASTM A-106

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(inch)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	2	24.80x3.80	94.24	3400	4700	353.93	489.25	0.50	25.00	
2	2	25.00x3.90	97.50	3400	4700	342.09	472.89	0.50	25.00	
3	6	25.00x6.60	165.00	5800	8800	344.84	523.20	0.50	25.00	
4	6	25.00x6.60	165.00	5900	8800	350.78	523.20	0.50	25.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Four 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
Al-Imam Enterprises Pvt. Ltd
Construction of Penta Square, Phase-V, DHA, Lahore

Reference # CED/TFL 32555 (Dr. Waseem Abbas)

Dated: 01-02-2019

Reference of the request letter # Al-Imam/746/PS-1/DHA/LHE/768

Dated: 01-02-2019

Seamless/Flattening Test Report (Page – 2/3)

Date of Test 12-02-2019

Description Test as per ASTM A 106

Sr. No.	Designation	Test Type	Observation/Results
1	Pipe(2")	Ductility	No crack was observed
		Soundness	No evidence of lamination noticed
2	Pipe(6")	Ductility	No crack was observed
		Soundness	No evidence of lamination noticed
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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
Al-Imam Enterprises Pvt. Ltd
Construction of Penta Square, Phase-V, DHA, Lahore

Reference # CED/TFL 32555 (Dr. Waseem Abbas)
Reference of the request letter # Al-Imam/746/PS-1/DHA/LHE/768

Dated: 01-02-2019
Dated: 01-02-2019

Weight & Size Test Report (Page – 3/3)

Date of Test 12-02-2019
Gauge length -----
Description MS Pipes 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	2	316	60.20	5.25	60.00	52.4	3.80	
2	6	1551	59.80	25.94	168.50	155.1	6.70	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
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,
Lead Material Engineer
CSCEC Pakistan Peshawar-Karachi Motorway (Sukkur-Multan Section) Project
Sukkur-Multan Motorway Section-I

Reference # CED/TFL **32574** (Dr. Waseem Abbas) Dated: 06-02-2019
Reference of the request letter # CSCEC/CL/SEC-01/Tension Wire-02/2019 Dated: 04-02-2019

Tension Test Report (Page – 1/1)

Date of Test 12-02-2019
Gauge length -----
Description Tension Wire Tensile Test as per AASHTO-M-181

Sr. No.	Diameter of Single Wire	Breaking Load		Remarks
	(mm)	(kg)	(kN)	
1	3.30	2160	21.19	
2	3.30	2200	21.58	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
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,
Lead Material Engineer
CSCEC Pakistan Peshawar-Karachi Motorway (Sukkur-Multan Section) Project
Sukkur-Multan Motorway Section-I

Reference # CED/TFL **32575** (Dr. Waseem Abbas) Dated: 06-02-2019
Reference of the request letter # CSCEC/CL/SEC-01/Chain Link Fabric-06/2019 Dated: 04-02-2019

Tension Test Report (Page – 1/1)

Date of Test 12-02-2019
Gauge length -----
Description Chain Link Fabric Wire Tensile Test as per AASHTO-M-181

Sr. No.	Diameter of Wire	Breaking Load		Remarks
	(mm)	(kg)	(kN)	
1	3.50	400	3.92	
2	3.50	320	3.14	
3	3.50	320	3.14	
4	3.50	320	3.14	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only Four 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
 Highway (M&R) Sub Division
 Khushab
 (Reconstruction of Damaged Bridge at Hadali Distributory (Link Canal) on Lahore Sargodha
 Khushab Mianwali Road at km no. 252 near Chak No. 5 TDA District Khushab)
 Reference # CED/TFL **32576** (Dr. Waseem Abbas) Dated: 06-02-2019
 Reference of the request letter # 1705 Dated: 28-01-2019

Tension Test Report (Page -1/1)

Date of Test 12-02-2019
 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	0.391	3	0.383	0.11	0.115	4200	5200	84200	80450	104200	99600	0.90	11.3	
2	0.380	3	0.377	0.11	0.112	4300	5200	86200	84870	104200	102700	1.00	12.5	
3	4.058	10	1.232	1.27	1.193	32400	52200	56300	59870	90600	96500	1.80	22.5	
4	4.085	10	1.236	1.27	1.201	32600	52200	56600	59850	90600	95900	1.80	22.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four 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 Amanat Hussain & Co (Pvt) Ltd
Rawalpindi
(Islamabad International Airport)

Reference # CED/TFL **32584** (Dr. Waseem Abbas)
Reference of the request letter # Nil

Dated: 06-02-2019
Dated: 06-02-2019

Tension Test Report (Page – 1/1)

Date of Test 12-02-2019
Gauge length -----
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load		Remarks / Coil No.
	(inch)	(kg/m)	(kg)	(kN)	
1	3/8	0.342	4400	43.16	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
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,
 Principal Architect
 Z.H. KAzmi & Associates
 MCB Bank Satellite Town Branch Bahawalpur

Reference # CED/TFL **32591** (Dr. Waseem Abbas)
 Reference of the request letter # Nil

Dated: 08-02-2019
 Dated: 08-02-2019

Tension Test Report (Page -1/1)

Date of Test 12-02-2019
 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	0.418	3	0.396	0.11	0.123	3400	6000	68200	60990	120300	107700	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 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,
 Executive Engineer (UCET)
 University of Sargodha
 Construction of Student Hostel at University College of Engineering & Technology,
 University of Sargodha (M/s Estern Construction)(B.S.M)

Reference # CED/TFL **32593** (Dr. Waseem Abbas)
 Reference of the request letter # SU/XEN/350

Dated: 08-02-2019
 Dated: 07-02-2019

Tension Test Report (Page -1/1)

Date of Test 12-02-2019
 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	0.370	3/8	0.372	0.11	0.109	3100	4400	62200	62860	88200	89300	1.10	13.8	
2	0.380	3/8	0.377	0.11	0.112	3900	5100	78200	77020	102200	100800	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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:

- 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
 (Kisan Steel)

Reference # CED/TFL **32596** (Dr. Waseem Abbas)
 Reference of the request letter # 3994/103/AS/01/64

Dated: 08-02-2019
 Dated: 06-02-2019

Tension Test Report (Page -1/1)

Date of Test 12-02-2019
 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	0.376	3	0.375	0.11	0.110	3300	5300	66200	65850	106200	105800	1.20	15.0	
2	0.423	3	0.398	0.11	0.124	3600	5900	72200	63830	118300	104600	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
Resident Engineer-I
NESPAK, Lahore
Installation of Height Restriction Gantries and Road Signage at Canal Bank Road from Doctor's Hospital to Mughalpura Underpass, Lahore

Reference # CED/TFL **32598** (Dr. Wasim Abbas)
Reference of the request letter # 3772/RSC/103/MWA/04/25

Dated: 07-02-2019
Dated: 07-01-2019

Weight & Size Test Report (Page – 1/2)

Date of Test 12-01-2019
Gauge length -----
Description Anlge Iron Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	L-1	L-2	Thickness	Remark
	(mm)	(g)	(cm)	(kg/m)	(mm)	(mm)	(mm)	
1	50x50x5	3690	100.50	3.67	51.30	50.40	5.15	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
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,
Resident Engineer-I
NESPAK, Lahore
Installation of Height Restriction Gantries and Road Signage at Canal Bank Road from Doctor's Hospital to Mughalpura Underpass, Lahore

Reference # CED/TFL **32598** (Dr. Wasim Abbas)
Reference of the request letter # 3772/RSC/103/MWA/04/25

Dated: 07-02-2019
Dated: 07-01-2019

Weight & Size Test Report (Page – 2/2)

Date of Test 12-01-2019
Gauge length -----
Description Tee Iron Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	Remark
	(mm)	(g)	(cm)	(kg/m)	
1	40x40x5	2670	100.3	2.66	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
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,
M/S Defence Housing Authority.
Lahore Cantt
(Infra Dev Works of Sector-E (Extn) DHA Ph-IX)(M/s Inland Const. Co.)

Reference # CED/TFL **32600** (Dr. Waseem Abbas)
Reference of the request letter # 408/241/E/Lab/012/444

Dated: 11-02-2019
Dated: 08-02-2019

Tension Test Report (Page -1/3)

Date of Test 12-02-2019
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	0.378	3	0.376	0.11	0.111	3200	5000	64200	63420	100200	99100	1.30	16.3	S.J Steel
2	0.375	3	0.374	0.11	0.110	3100	4900	62200	62070	98200	98100	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,
M/S Defence Housing Authority.
Lahore Cantt
(Infra Dev Works of Sector-B (Extn) DHA Ph-V)(M/s Inland Const. Co.)

Reference # CED/TFL **32600** (Dr. Waseem Abbas)
Reference of the request letter # 408/241/E/Lab/005/445

Dated: 11-02-2019
Dated: 08-02-2019

Tension Test Report (Page -2/3)

Date of Test 12-02-2019
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	0.371	3	0.373	0.11	0.109	3100	4900	62200	62640	98200	99100	1.10	13.8	S.J Steel
2	0.371	3	0.372	0.11	0.109	3100	4900	62200	62720	98200	99200	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



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
(Infra Dev Works of Prism-9 Pkg-1 Sector-Q)(M/s DHA Const. Co.)

Reference # CED/TFL **32600** (Dr. Waseem Abbas)
Reference of the request letter # 408/241/E/Lab/376/446

Dated: 11-02-2019
Dated: 08-02-2019

Tension Test Report (Page -3/3)

Date of Test 12-02-2019
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	5.243	11	1.401	1.56	1.541	46400	71800	65600	66360	101500	102700	1.30	16.3	S-J Steel
2	5.236	11	1.400	1.56	1.539	46600	72200	65900	66740	102100	103400	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#11 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
 Allied Engineering Consultant (Pvt) Ltd
 Construction Supervision Services of Multi-Storied Dr. A.Q Khan Hospital
 (SJ)

Reference # CED/TFL **32602** (Dr. Waseem Abbas)
 Reference of the request letter # AEC/LHR-1/2019/0131

Dated: 11-02-2019
 Dated: 06-02-2019

Tension Test Report (Page -1/1)

Date of Test 12-02-2019
 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	63140	96200	97800	1.00	12.5	
2	0.375	3	0.375	0.11	0.110	3200	5000	64200	63910	100200	99900	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
 General Manager
 AYQ Developers Pvt. Ltd
 Lahore
 (Ittefaq Steel)

Reference # CED/TFL **32603** (Dr. Waseem Abbas)
 Reference of the request letter # Nil

Dated: 11-02-2019
 Dated: 11-02-2019

Tension Test Report (Page -1/1)

Date of Test 12-02-2019
 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	0.370	3	0.372	0.11	0.109	3100	4600	62200	62760	92200	93200	1.10	13.8	
2	0.384	3	0.379	0.11	0.113	3200	4900	64200	62460	98200	95700	1.40	17.5	
3	0.377	3	0.376	0.11	0.111	3100	4600	62200	61670	92200	91500	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three 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,
 Acting Chief Resident Engineer
 Trimmu Panjnad Barrages Consultants
 Trimmu and Panjnad Barrages Improvement Project (TPBIP)
 (Fazal Steel)

Reference # CED/TFL **32604** (Dr. Waseem Abbas)
 Reference of the request letter # TPBC/CRE/1576

Dated: 11-02-2019
 Dated: 09-02-2019

Tension Test Report (Page -1/1)

Date of Test 12-02-2019
 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	4.225	10	1.257	1.27	1.242	37200	57200	64600	66020	99300	101600	1.30	16.3	
2	4.239	10	1.260	1.27	1.246	36800	57000	63900	65090	99000	100900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples 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:

- 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,
 Project Manager
 Liberty Condominiums
 Construction of Gulberg Grove, Lahore

Reference # CED/TFL **32606** (Dr. Waseem Abbas)
 Reference of the request letter # LC/T/2/10

Dated: 11-02-2019
 Dated: 11-02-2019

Tension Test Report (Page -1/2)

Date of Test 12-02-2019
 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	0.370	3	0.372	0.11	0.109	3200	4800	64200	64930	96200	97400	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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:

- 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,
 Project Manager
 Liberty Condominiums
 Construction of Gulberg Grove, Lahore

Reference # CED/TFL **32606** (Dr. Waseem Abbas)
 Reference of the request letter # LC/T/2/13

Dated: 11-02-2019
 Dated: 11-02-2019

Tension Test Report (Page -2/2)

Date of Test 12-02-2019
 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	4.231	10	1.258	1.27	1.244	42200	55000	73300	74800	95500	97500	1.70	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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:

- 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
 Jaranwala
 (Upgradation of RHC into 60-Bedded Hospital Khurrianwala District Faisalabad)

Reference # CED/TFL **32612** (Dr. Waseem Abbas)
 Reference of the request letter # 2375/J

Dated: 11-02-2019
 Dated: 28-01-2019

Tension Test Report (Page -1/1)

Date of Test 12-02-2019
 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	0.390	3/8	0.382	0.11	0.115	2600	3600	52100	49990	72200	69300	1.90	23.8	
2	0.401	3/8	0.387	0.11	0.118	2600	3700	52100	48640	74200	69300	1.80	22.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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:

- 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

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