



**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 Fabcon Design & Engineering (Pvt) Ltd  
Lahore

Reference # CED/TFL **37872** (Dr. Usman Akmal)  
Reference of the request letter # Nil

Dated: 10-02-2022

Dated: 09-02-2022

**Weight & Size Test Report** (Page – 1/5)

Date of Test 17-02-2022

Description I Section & Channel Weight and Size Test

Sr. No.	Designation		Weight	Length	Weight per Unit Length	Depth (d)	Flange Width (b <sub>f</sub> )	Flange Thickness (t <sub>f</sub> )	Web Thickness (t <sub>w</sub> )	Remark
	(mm)									
1	I Section	450x175x14x24	18310	157.50	116.25	457.00	177.00	23.90	15.00	
2			18065	152.80	118.23	458.00	178.05	24.00	15.00	
3	I Section	150x75x6.5x10	2584	157.03	16.46	153.90	75.40	10.00	6.50	
4			2557	154.00	16.60	153.95	75.53	10.00	6.35	
5	Channel	250x88x9x12	5505	151.88	36.25	252.90	86.70	9.00	10.90	
6			5491	153.20	35.84	252.55	86.73	9.00	11.05	
-	-		-	-	-	-	-	-	-	
-	-		-	-	-	-	-	-	-	
<b>Only Six Samples for Test</b>										

**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](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 Fabcon Design & Engineering (Pvt) Ltd  
Lahore

Reference # CED/TFL **37872** (Dr. Usman Akmal)  
Reference of the request letter # Nil

Dated: 10-02-2022

Dated: 09-02-2022

**Weight & Size Test Report** (Page – 2/5)

Date of Test 17-02-2022

Description Angle Weight and Size Test

Sr. No.	Designation		Weight	Length	Weight per Unit Length	L-1	L-2	Thickness	Remark
	(mm)								
1	Angle	100x100x9.6	2198	154.13	14.26	101.95	100.45	9.60	
2			2222	154.80	14.35	101.55	100.85	9.58	
3	Angle	63x63x6.4	957	153.40	6.24	64.95	64.45	6.33	
4			949	153.93	6.17	63.45	65.20	6.35	
-	-		-	-	-		-	-	
-	-		-	-	-		-	-	
-	-		-	-	-		-	-	
<b>Only Four Samples for Test</b>									

**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](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 Fabcon Design & Engineering (Pvt) Ltd  
Lahore  
Reference # CED/TFL **37872** (Dr. Usman Akmal)  
Reference of the request letter # Nil

Dated: 10-02-2022

Dated: 09-02-2022

**Weight & Size Test Report** (Page – 3/5)

Date of Test 17-02-2022

Description Steel Plate Weight and Size Test

Sr. No.	Designation		Weight	Length	Width (b)	Weight per Unit Area	Thickness	Remark
	(mm)		(g)	(mm)	(mm)	(kg/m <sup>2</sup> )	(mm)	
1	MS Chequered Plate	6	1087	152.80	154.70	45.98	5.70	
2			1091	155.00	151.50	46.46	5.70	
3	MS Plate	5	932	153.80	154.15	39.31	5.00	
4			950	154.55	153.80	39.97	5.00	
5	MS Plate	6	1066	154.60	154.30	44.69	5.90	
6			1069	154.70	153.80	44.93	5.90	
7	MS Plate	10	2021	155.25	155.90	83.50	10.90	
8			2031	156.05	155.00	83.97	10.75	
9	MS Plate	12	2457	155.60	157.00	100.58	13.00	
10			2438	154.30	156.65	100.86	13.00	
11	MS Plate	25	4635	156.10	154.90	191.69	24.70	
12			4577	153.70	153.90	193.49	24.80	
13	MS Plate	35	6811	156.70	157.15	276.58	35.70	
14			6737	155.65	156.3	276.92	35.70	
<b>Only Fourteen Samples for Test</b>								

**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](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 Fabcon Design & Engineering (Pvt) Ltd  
Lahore

Reference # CED/TFL **37872** (Dr. Usman Akmal)  
Reference of the request letter # Nil

Dated: 10-02-2022

Dated: 09-02-2022

**Weight & Size Test Report** (Page – 4/5)

Date of Test 17-02-2022

Description MS Pipe Weight and Size Test

Sr. No.	Designation		Weight	Length	Weight per Unit Length	External Diameter	Internal Diameter	Thickness	Remark
1	MS Pipe	406mm (16")	17855	152.30	117.24	405.00	381.00	12.00	
2			17840	152.10	117.29	406.00	381.80	12.10	
3	MS Pipe	114.3mm (4")	3380	153.60	22.01	114.25	96.25	9.00	
4			3406	153.50	22.19	114.50	96.50	9.00	
5	MS Pipe	60.30mm (2")	864	153.40	5.63	60.10	51.80	4.15	
6			862	153.25	5.62	60.10	52.10	4.00	
-	-		-	-	-	-	-	-	
-	-		-	-	-	-	-	-	
<b>Only Six Samples for Test</b>									

**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](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 Fabcon Design & Engineering (Pvt) Ltd  
Lahore

Reference # CED/TFL **37872** (Dr. Usman Akmal)  
Reference of the request letter # Nil

Dated: 10-02-2022

Dated: 09-02-2022

**Weight & Size Test Report** (Page – 5/5)

Date of Test 17-02-2022

Description MS Pipe and Tube Weight and Size Test

Sr. No.	Designation		Weight	Length	Weight per Unit Length	Outer Dimension		Thickness	Remark
						X	Y		
		(mm)	(g)	(mm)	(kg/m)	(mm)	(mm)	(mm)	
1	MS Pipe	150x150x8	6366	156.24	40.75	152.55	152.65	9.70	
2			6417	154.95	41.41	152.50	152.18	9.70	
3	MS Pipe	75x75x6	2021	152.76	13.23	75.70	75.90	6.26	
4			2042	153.93	13.27	76.00	76.00	6.10	
5	Tube	50x50x3	689	152.80	4.51	49.75	49.85	3.10	
6			687	152.93	4.49	49.75	49.85	3.90	
-	-		-	-	-	-	-	-	
-	-		-	-	-	-	-	-	
<b>Only Six Samples for Test</b>									

**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](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  
 Upgradation / Dualization of Main Barki Road from Lahore School of Economics to BRB Canal  
 Bridge Lahore

Reference # CED/TFL **37896** (Dr. Usman Akmal)  
 Reference of the request letter # 4042/03/AZ/2/07

Dated: 16-02-2022  
 Dated: 31-01-2022

**Tension Test Report** (Page -1/1)

Date of Test 17-02-2022  
 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 <sup>2</sup> )		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	0.382	3	0.378	0.11	0.112	4000	5000	80200	78480	100200	98100	1.20	15.0	Mughal Steel
2	0.379	3	0.377	0.11	0.112	3900	4900	78200	77090	98200	96900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
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](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 Underpass Across Bedian Road Connecting Phase-VI with Phase-IX, DHA,  
 Lahore

Reference # CED/TFL **37897** (Dr. Usman Akmal)  
 Reference of the request letter # 3790/102/IUK/UET/01/41

Dated: 16-02-2022  
 Dated: 16-02-2022

**Tension Test Report** (Page -1/1)

Date of Test 17-02-2022  
 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 <sup>2</sup> )		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	3800	4700	76200	74140	94200	91700	1.30	16.3	Mughal Steel
2	0.375	3	0.375	0.11	0.110	3500	4500	70200	69920	90200	89900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
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](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,  
 Construction Manager  
 Zameen Aurum  
 Construction of Zameen Aurum at Plot No. 15 Block L, Gulberg-III, Main Feroze Pur Road,  
 Lahore  
 Reference # CED/TFL **902** (Dr. Usman Akmal) Dated: 17-02-2022  
 Reference of the request letter # ZD/ZA/STR024 Dated: 17-02-2022

**Tension Test Report** (Page -1/1)

Date of Test 17-02-2022  
 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 <sup>2</sup> )		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	3500	4900	70200	70720	98200	99100	0.90	11.3	Barala Steel
2	0.374	3	0.374	0.11	0.110	3700	5000	74200	74250	100200	100400	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
<b>Bend Test</b>														
#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](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](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