



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

To,
 Chief Resident Engineer
 Osmani & Company (Pvt) Ltd
 Swat Motorway Project
 Reference # CED/TFL **33235** (Dr. M Rizwan Riaz)
 Reference of the request letter # 288/CRE/QAT/SMP/2019

Dated: 15-05-2019

Dated: 14-05-2019

Tension Test Report (Page – 1/3)

Date of Test 03-06-2019
 Gauge length 2 inches
 Description Steel Structure Steel Strip Tensile and Bend 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)
1	H Beam	300x300	30.00x14.40	432.00	12900	20200	292.94	458.71	1.10	55.00	
2		300x300	29.80x14.60	435.08	12600	20500	284.10	462.23	1.00	50.00	
3	H Beam	250x250	29.60x15.40	455.84	16000	25100	344.33	540.17	0.90	45.00	
4		250x250	29.60x14.40	426.24	15300	23400	352.13	538.56	0.80	40.00	
5	Angle	127x127	29.80x10.10	300.98	10300	16200	335.71	528.02	0.80	40.00	
6		127x127	29.70x9.90	294.03	9500	15300	316.96	510.47	0.80	40.00	
7	Sign Board Channel	250x250	29.60x9.20	272.32	8100	13400	291.79	482.72	0.75	37.50	
8		250x250	29.50x9.50	280.25	9000	14600	315.04	511.07	0.90	45.00	
Only Eight Samples for Tensile and Four Samples for Bend Test											
Bend Test											
Strip Taken from H Beam (300x300mm) Bend Test Through 180° is Satisfactory											
Strip Taken from H Beam (250x250mm) Bend Test Through 180° is Satisfactory											
Strip Taken from Angle (127x127mm) Bend Test Through 180° is Satisfactory											
Strip Taken from Sign Board Channel (250x250mm) 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



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Dated: 15-05-2019
Dated: 14-05-2019

Weight & Size Test Report (Page – 2/3)

Date of Test 03-06-2019
Gauge length -----
Description H-Beam & Sign Board Channel Weight and Size Test

Sr. No.	Designation		Weight	Length	Weight per Unit Length	Depth (d)	Flange Width (b _f)	Flange Thickness (t _f)	Web Thickness (t _w)	Remark
	(mm)		(g)	(mm)	(kg/m)	mm	mm	mm	mm	
1	H Beam	300x300	8636	96.00	89.96	303.00	298.20	14.80	9.40	
2	H Beam	250x250	7549	96.70	78.07	253.10	254.00	14.50	11.60	
3	Sign Board Channel	250x250	3264	96.50	33.82	255.00	94.10	12.10	9.60	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Three Samples for Test										

I/C Testing Laboratories
UET Lahore, Pakistan.

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

Date of Test 03-06-2019
Gauge length -----
Description Angle Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	L-1	L-2	Thickness	Remark
	(mm)	(g)	(mm)	(kg/m)	(mm)	(mm)	(mm)	
1	127x127	1895	101.50	18.67	128.30	126.60	10.00	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
Only One Sample for Test								

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