



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
Wazirabad
(Construction of Pedestrian Steel Bridge at km 1347-1348, 1339-1340 & 1321-1322 on
GT Road, N-5)

Reference # CED/TFL **5975** (Dr. Safeer Abbas)

Dated: 11-11-2024

Reference of the request letter # Gen/DD(Maint)/WZD/NHA/2024/1106

Dated: 30-10-2024

Weight & Size Test Report (Page – 1/4)

Date of Test 18-11-2024

Description H-Section, Channel & I-Beam 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)	(cm)	(kg/m)	mm	mm	mm	mm	
1	H-Section	250x250	19550	24.60	79.47	254.00	255.00	15.00	13.00	
2	H-Section	150x150	8280	24.00	34.50	159.00	155.00	10.40	8.50	
3	Channel	200x75	5020	18.00	27.89	210.00	80.00	8.00	8.00	
4	Channel	150x75	5010	22.9	21.88	165.0	80.00	6.00	6.00	
5	I Beam	600x200	33350	31.20	106.89	600.00	202.00	12.60	10.90	
-		-	-	-	-	-	-	-	-	
-		-	-	-	-	-	-	-	-	
-		-	-	-	-	-	-	-	-	
Only Five Sample for Test										

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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Reference of the request letter # Gen/DD(Maint)/WZD/NHA/2024/1106 Dated: 30-10-2024

Weight & Size Test Report (Page – 2/4)

Date of Test 18-11-2024
Description Angle 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	100x100	4620	21.00	22.00	108.00	107.00	12.50	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
Only One Samples for Test								

I/C Testing Laboratoires
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Weight & Size Test Report (Page – 3/4)

Date of Test 18-11-2024

Description Box Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	Outer Dimension		Thickness	Remark
					X	Y		
	(mm)	(g)	(cm)	(kg/m)	(mm)	(mm)	(mm)	
1	200x100	4380	16.40	26.71	215.00	111.00	5.00	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
Only One Samples for Test								

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(Construction of Pedestrian Steel Bridge at km 1347-1348, 1339-1340 & 1321-1322 on
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Reference of the request letter # Gen/DD(Maint)/WZD/NHA/2024/1106 Dated: 30-10-2024

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

Date of Test 18-11-2024

Description Chequered Plate Weight and Size Test

Sr. No.	Designation	Weight	Length	Width (b)	Weight per Unit Area	Thickness	Remark
	(mm)	(g)	(cm)	(cm)	(kg/m ²)	(mm)	
1	5	3910	30.70	30.70	41.49	5.00	
2	6	1550	20.70	15.30	48.94	6.00	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
Only Two Samples for Test							

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To,

Manager Quality Assurance
FF Steel
Hayatabad Industrial Estate, Peshawar

Reference # CED/TFL **5993** (Dr. Safeer Abbas)
Reference of the request letter # Nil

Dated: 14-11-2024
Dated: 14-11-2024

Tension Test Report (Page – 1/1)

Date of Test 18-11-2024
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	16	0.90	13600	
2	18	1.15	17400	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only two samples for Test				

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Duplicate Report

Ref: CED/TFL/03/4742, 6015

Dated: 05-03-2024

Dated of Test: 15-03-2024

To

Material/QC Engineer
NESPAK
Punjab Rural Municipal Services Company.
Procurement of Civil Works, South-III, Tehsil Taunsa Package TAU-2 & 5

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 - 08a]**

Reference to your letter No. NESPAK/PRSWSSP/TAUNSA/ME/153,
dated 22.02.2024 on the subject cited above. Two R.C.C. Pipes 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)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	12	7.76	7.34	16.06	11.97	2.05	12600	17200	3797	5184
2	12	7.74	7.35	15.98	11.89	2.05	13000	17600	3936	5329

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