



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 Shaheen Traders
Lahore

Reference # CED/TFL **34877** (Dr. Safer Abbas)
Reference of the request letter # Nil

Dated: 30-04-2020
Dated: 21-04-2020

Tension Test Report (Page -1/1)

Date of Test 05-05-2020
Gauge length 8 inches
Description Anchor Bolt Bar Tensile Test

Sr. No.	Weight (kg/m)	Diameter/ size		Area (mm ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (MPa) Actual	Ultimate Stress (MPa) Actual	Elongation (inch)	% Elongation	Grade
		Nominal (mm)	Actual (mm)	Nominal	Actual							
1	7.525	36	34.94	-----	958.6	63200	82600	647	845	0.85	10.6	8.8
2	7.960	36	35.93	-----	1014.0	48200	58000	466	561	1.40	17.5	6.8
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
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



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To,
 Resident Engineer
 NESPAK (China – Pakistan Economic Corridor (CPEC), Western Route Hakla (on M1) –
 Yarak (D.I. Khan) Motorway, Package-3 (Trap to Kot Belian)(M/s Star Engineering)

Reference # CED/TFL **34883** (Dr. Safer Abbass) Dated: 04-05-2020
 Reference of the request letter # CPEC/NESPAK/CS/RE/PKG3/20/1438 Dated: 16-03-2020

Tension Test Report (Page – 1/2)

Date of Test 05-05-2020
 Gauge length 2 inches
 Description W-Metal beam, Metal Post & Metal Spacer (Galvanized) Strip Tensile
 Test as per AASHTOO A-180

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
1	W-Metal beam	2.41x.30	0.72	2700	3700	3734	5118	0.40	20.00	S#1
2		2.41x.30	0.72	2700	3700	3734	5118	0.40	20.00	S#1
3	W-Metal beam	2.40x.30	0.72	2800	3700	3889	5139	0.50	25.00	S#2
4		2.40x.30	0.72	2700	3800	3750	5278	0.50	25.00	S#2
5	Metal Post	2.31x.60	1.39	5000	7200	3607	5194	0.70	35.00	S#1
6		2.31x.60	1.39	5000	7200	3607	5194	0.70	35.00	S#1
7	Metal Post	2.31x.60	1.39	5000	7200	3607	5194	0.70	35.00	S#2
8	Metal Post	2.31x.60	1.39	5100	7200	3679	5194	0.70	35.00	S#2
9	Metal Spacer	2.31x.50	1.16	4200	6300	3636	5454	0.70	35.00	S#1
10	Metal Spacer	2.31x.50	1.16	4200	6400	3636	5541	0.65	32.50	S#1
11	Metal Spacer	2.31x.50	1.16	4100	6100	3549	5281	0.40	20.00	S#2
12	Metal Spacer	2.31x.50	1.16	4200	6100	3636	5281	0.70	35.00	S#2
Only twelve Samples for Tensile Test										
Bend Test										

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Reference of the request letter # CPEC/NESPAK/CS/RE/PKG3/20/1438 Dated: 16-03-2020

Size Test Report (Page – 2/2)
Date of Test 05-05-2020
Gauge length -----
Description W-Metal beam, Metal Post & Metal Spacer (Galvanized) thickness Test

Sr. No.	Designation	Thickness	Remark
		(mm)	
1	W-Metal beam	3.00	
2	Metal Post	6.00	
3	Metal Spacer	5.00	
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
Only Three Samples for Test			

I/C Testing Laboratories
UET Lahore, Pakistan.

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