



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

To,
 R.E
 NESPAK

Construction of Infrastructure and Allied Works for Metro Bus Services Peshawar Mor to New Islamabad International Airport (NIIA) – Package-I

Reference # CED/TFL **35622** (Dr. Qasim Khan)
 Reference of the request letter # RE/MBS/ISLD/KI/561

Dated: 18-11-2020
 Dated: 09-11-2020

Tension Test Report (Page – 1/2)

Date of Test 23-11-2020
 Gauge length 2 inches
 Description Lateral Support & Plate Strip Tensile Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)									
1	Lateral Support	240x150x3	24.00x4.00	96.00	3100	4600	316.78	470.06	0.70	35.00	
2	Plate	210x50x5	24.00x4.10	98.40	3200	4600	319.02	458.60	0.70	35.00	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
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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Tension Test Report (Page – 2/2)

Date of Test 23-11-2020

Description Chain Link Fabric Wire and Tension Wire Tensile Test

Sr. No.	Diameter of Single Wire	Breaking Load		Remarks
	(mm)	(kg)	(kN)	
1	3.20	480	4.71	Chain Link Fabric Wire
2	3.20	480	4.71	
3	3.15	880	8.63	Tension Wire
4	3.15	880	8.63	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only Four Samples for Test				

I/C Testing Laboratories
UET Lahore, Pakistan.

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To,
 Resident Engineer
 NESPAK
 Development of Infraastructure in LDA City, Lahore (Package- 1, 4 & 6 of Jinnah Section)

Reference # CED/TFL **35661** (Dr. Qasim Khan)
 Reference of the request letter # 4047/13/MA/09/13

Dated: 20-11-2020
 Dated: 17-11-2020

Tension Test Report (Page -1/1)

Date of Test 23-11-2020
 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	Marks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	4.177	10	1.250	1.27	1.228	41000	52400	71200	73610	91000	94100	1.60	20.0	Mughal Steel
2	4.171	10	1.249	1.27	1.226	41200	52400	71500	74070	91000	94300	1.80	22.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

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