



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

To,

Khurram Tariq  
Resident Engineer, NESPAK Pvt. Ltd.  
Construction of Underpass at GPO Chowk & TM Chowk on Mall Road Including  
Pedestrian Underpass Near AFIC, District Rawalpindi.

Reference # CED/TFL **6780** (Dr. M. Rizwan Riaz)

Dated: 26-03-2025

Reference of the request letter # 4085/103/KTGPO/01/19

Dated: 25-03-2025

**Tension Test Report** (Page -1/3)

Date of Test 07-04-2025

Gauge length 600 mm

Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield strength clause (6.3)		Breaking strength clause (6.2)		Young's Modulus of Elasticity "E"	% Elongation	Remarks / Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)	GPa		
1	12.70 (1/2")	780.0	782	17600	172.66	19200	188.35	199	>3.50	xx
2	12.70 (1/2")	780.0	783	17700	173.64	19300	189.33	198	>3.50	xx
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Only two samples for Test										

Note:

1. Modulus of Elasticity is based on nominal steel area of the steel strand vide clause 13.3 of ASTM – A416a
2. Load versus percentage strain graphs are attached

Test Performed and Verified by:

**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



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To,

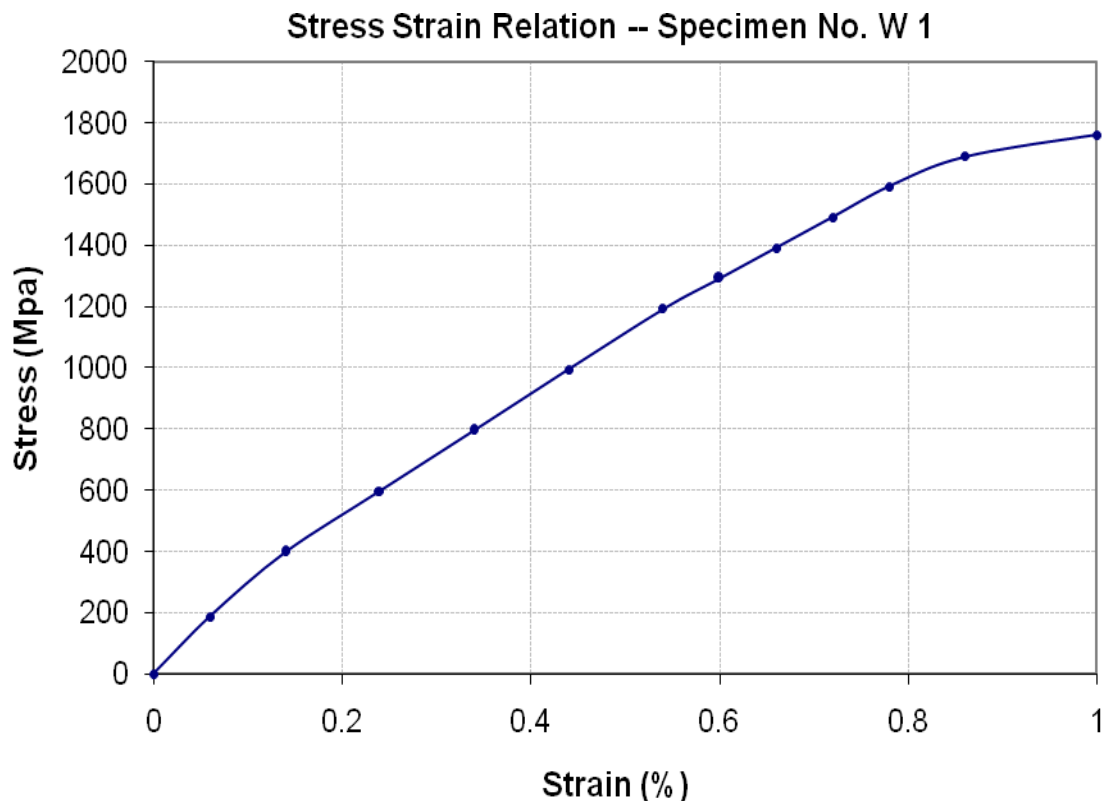
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**Graph** (Page – 2/3)



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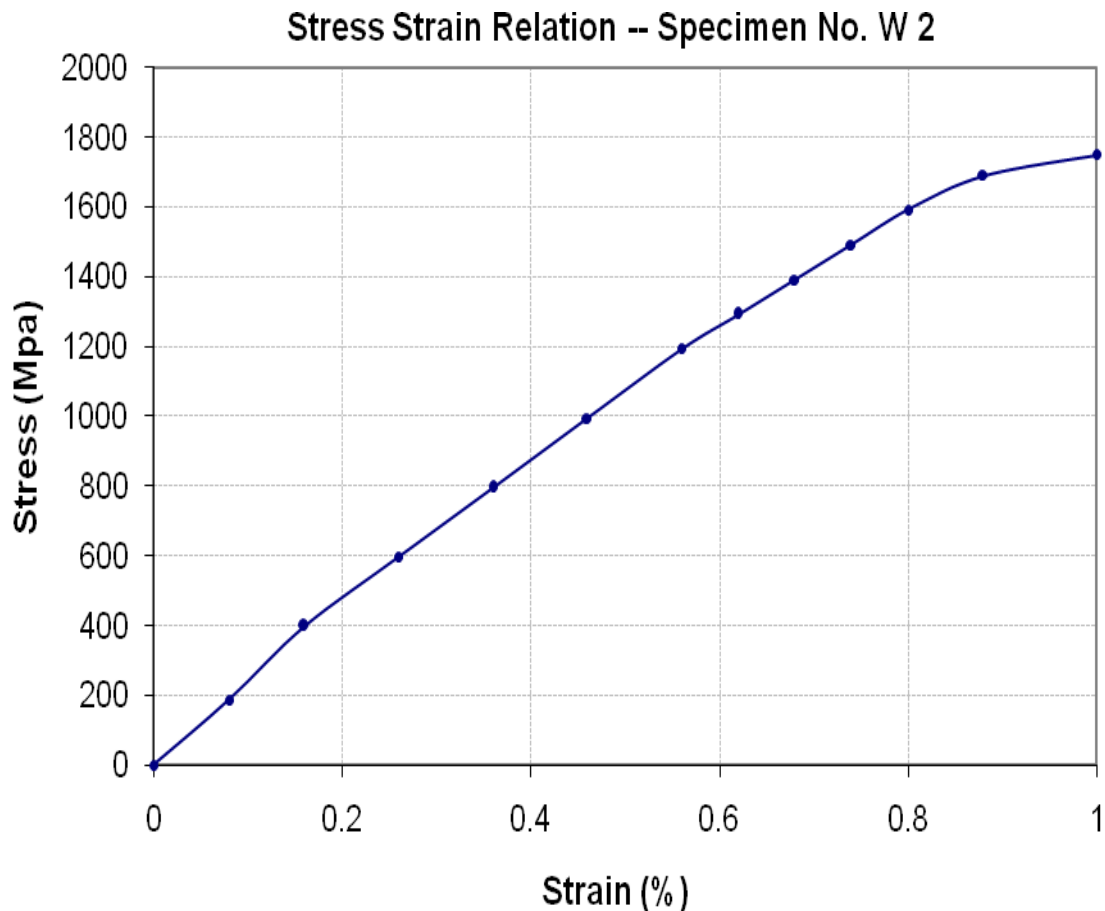
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**Graph** (Page – 3/3)



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