



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

Ref: CED/TFL/03/2876

Dated: 03-03-2023

Date of Test: 08-03-2023

To,
Engineer's Representative
Blue World Trade Center
Construction of Blue World Trade Center

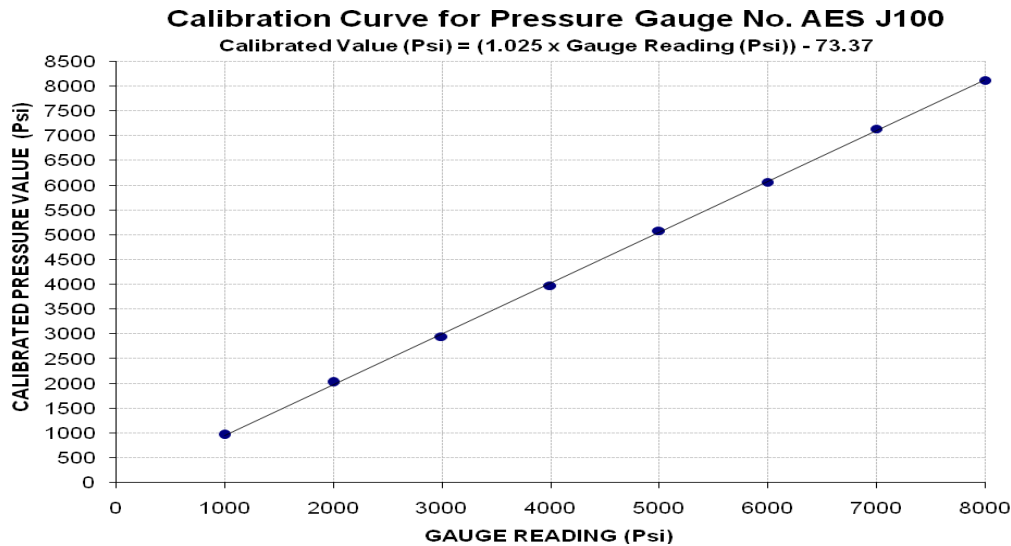
Subject: - **CALIBRATION OF PRESSURE GAUGE (MARK: TFL/03/2876)** (Page # 1/1)

Reference to your Letter No. Nil, Dated: 03/03/2023 on the subject cited above. One Pressure Gauge No. EAS J100 (90249848-65-30) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 15000 (Psi)
Calibrated Range : Zero - 8000 (Psi)

Pressure Gauge Reading (Psi)	1000	2000	3000	4000	5000	6000	7000	8000
Calibrated Load (kg)	13400	28200	41000	55400	70800	84400	99400	113000
Calibrated Pressure (Psi)	963	2026	2945	3980	5086	6063	7140	8117

The Ram Area for Calibration = 198 cm²



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
Construction of Underpass at Ghulab Davi Hospital and Additional Lanes on Lahore
Bridge
(WMI)

Reference # CED/TFL **2898** (Dr. Waseem Abbass)
Reference of the request letter # 3772/103/GD/RE/05/392

Dated: 07-03-2023
Dated: 06-03-2023

Tension Test Report (Page -1/2)

Date of Test 08-03-2023
Gauge length 640 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")	775.0	782.0	17400	170.69	18900	185.41	199	>3.50	xx
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only one sample 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

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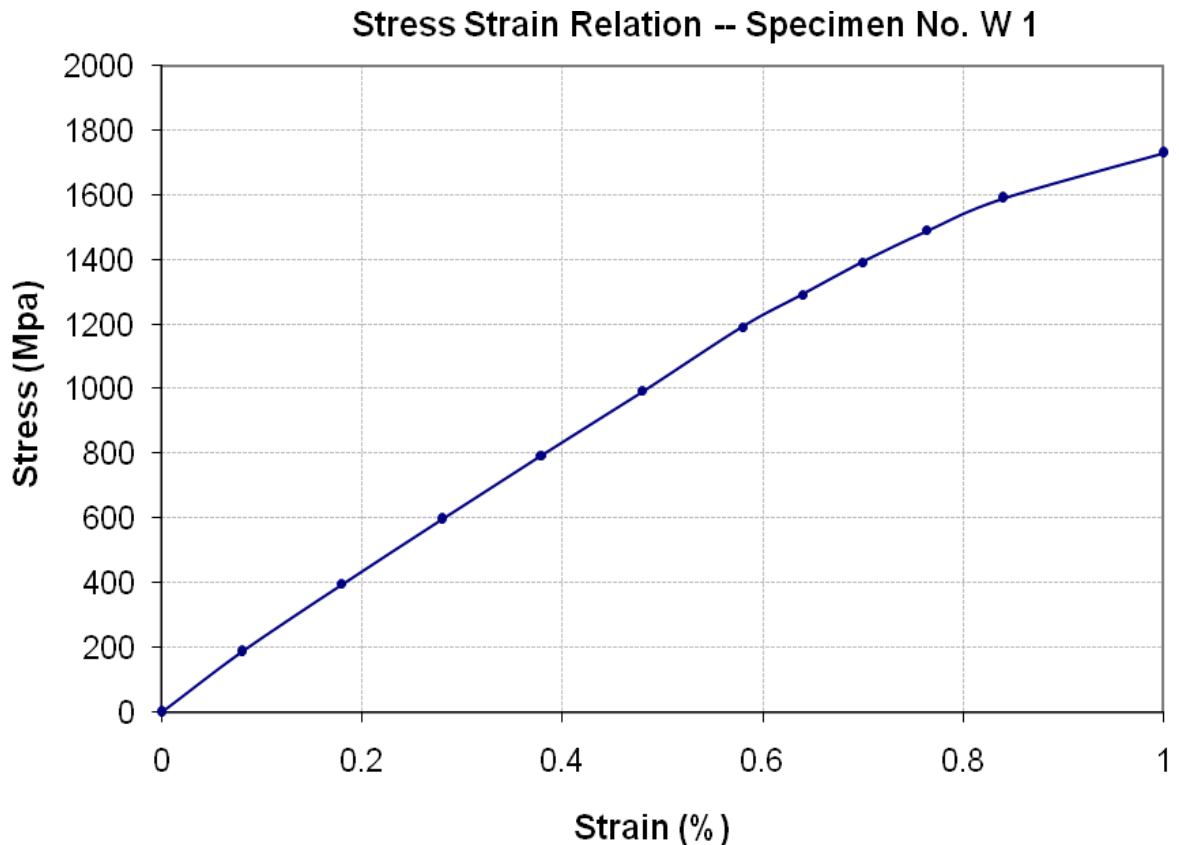
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Graph (Page – 2/2)



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