

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

To,
Resident Engineer
RENARDET S.A ((M-4), Package-3A)
Construction of Faisalabad-Khanewal Motorway (M-4) Project, Package-IIIA (Nizami Brothers)(M/s CGGC)

Reference # CED/TFL **32647** (Dr. Waseem Abbas) Dated: 18-02-2019 Reference of the request letter # RE/M-4/3A/2019/293 Dated: 09-02-2019

Tension Test Report (Page - 1/2)

Date of Test 19-02-2019

Gauge length -----

Description Chain Link Fence Wire Tensile Test as per AASHTO-M-181

Sr. No.	Diameter of Wire	Breaking	Remarks			
	(mm)	(kg)	(kN)			
1	3.10	300	2.94			
-	-	-	-			
-	-	-	-			
-	-	-	-			
-	-	-	-			
-	-	-	-			
-	-	-	-			
Only One Sample for Test						

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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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Reference # CED/TFL **32647** (Dr. Waseem Abbas) Dated: 18-02-2019 Reference of the request letter # RE/M-4/3A/2019/295 Dated: 09-02-2019

Tension Test Report (Page - 2/2)

Date of Test 19-02-2019

Gauge length -----

Description Tension Wire Tensile Test as per AASHTO-M-181

Sr. No.	Diameter of Single Wire	Breakin	Remarks			
	(mm)	(kg)	(kN)			
1	3.40	680	6.67			
-	-	-	-			
-	-	-	-			
-	-	-	-			
-	-	-	-			
-	-	-	-			
-	-	-	-			
Only One Sample for Test						

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

Ref: CED/TFL/02/32649 Dated: 18-02-19

To Resident Engineer NESPAK - Zeeruk (Jv) CPEC (Western Route), Package-II, Isakhel

Subject: - CALIBRATION OF PRESSURE GAUGE (MARK: TFL/02/32649) (Page – 1/2)

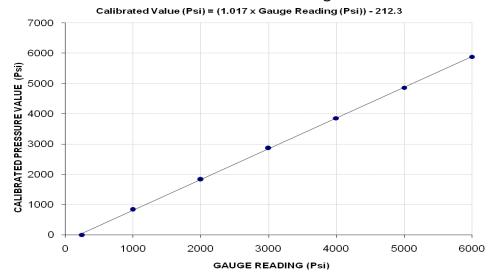
Reference to your Letter No. RE/NESPAK/P-2/CPEC-WR/709, dated: 18/02/2019 on the subject cited above. One Pressure Gauge No. EN 837-1 as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 14000 (Psi) Calibrated Range : Zero - 6000 (Psi)

Pressure Gauge Reading (Psi)	1000	2000	3000	4000	5000	6000
Calibrated Load (kg)	11600	25500	39900	53600	67700	81900
Calibrated Pressure (Psi)	833.27	1831.75	2866.15	3850.27	4863.12	5883.15

The Ram Area of Calibration = 198 cm^2

Calibration Curve for Pressure Gauge No. EN 837-1



I/C Testing Laboratoires UET Lahore, Pakistan.

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Test Floor Laboratory

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Ref: CED/TFL/02/32649 Dated: 18-02-19

To **Resident Engineer** NESPAK - Zeeruk (Iv) CPEC (Western Route), Package-II, Isakhel

Subject: - CALIBRATION OF PRESSURE GAUGE (MARK: TFL/02/32649) (Page – 2/2)

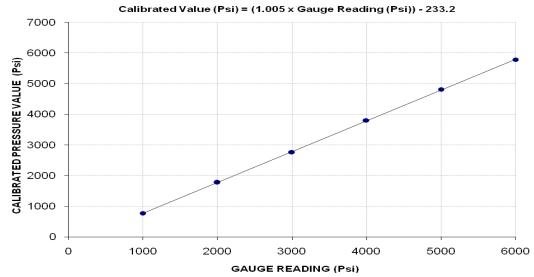
Reference to your Letter No. RE/NESPAK/P-2/CPEC-WR/709, dated: 18/02/2019 on the subject cited above. One Pressure Gauge No. 316 SS as received by us has been calibrated. The results are tabulated as under:

> **Total Range** 15000 (Psi) Zero -Calibrated Range: Zero -6000 (Psi)

Pressure Gauge Reading (Psi)	1000	2000	3000	4000	5000	6000
Calibrated Load (kg)	10800	24700	38500	52900	67000	80500
Calibrated Pressure (Psi)	775.80	1774.28	2765.58	3799.98	4812.83	5782.58

The Ram Area of Calibration = 198 cm^2

Calibration Curve for Pressure Gauge No. 316 SS



I/C Testing Laboratoires **UET Lahore, Pakistan.**

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To, M/S AFD Engineering & Management Consultants Mingora, Swat

Reference # CED/TFL **32651** (Dr. Waseem Abbas)

Reference of the request letter # AFD/19/112

Dated: 18-02-2019

Dated: 14-02-2019

Tension Test Report (Page - 1/1)

Date of Test 19-02-2019

Gauge length -----

Description Steel Wire Rope Tensile Test

Sr. No.	Measured weight	Breakir	ng Load	Remarks		
	(kg/m)	(kg)	(kN)			
1	5.90	73200	718.09	Bonyo Main Cable		
2	4.44	36400	357.08	Bonyo Wind Cable		
3	0.82	10200	100.06	Shah Gram Wind Cable		
4	0.57	7400	72.59	Bonyo Vertical Suspender		
5	0.67	8900	87.31	Shah Gram Vertical Suspender		
-	•	-	-			
Only five samples for Test						

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