



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/05/33193, 239

Dated: 08-05-2019

To
M/S Defence Housing Authority.
Lahore Cantt
(Infra Dev Works of Sector-M at DHA Ph-V)(M/s AAJ Enggrs)

Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/05/33193)

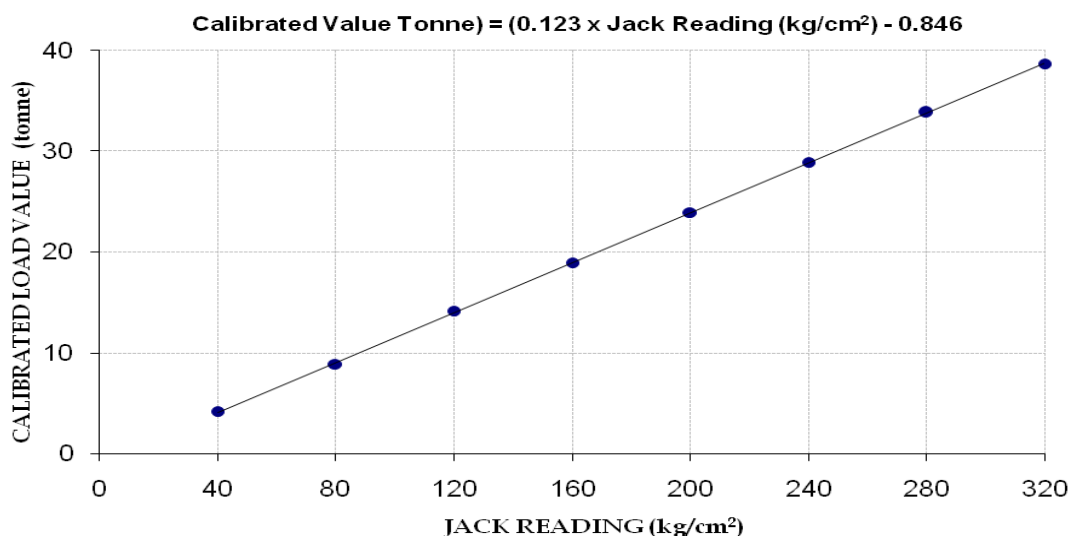
Reference to your Letter No. 408/241/E/Lab/558/11, Dated: 06/05/2019 on the subject cited above. One Hydraulic Jack as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 600 (kg/cm²)
Calibrated Range : Zero - 320 (kg/cm²)

Hydraulic Jack Reading (kg/cm ²)	40	80	120	160	200	240	280	320	
Calibrated Load	(kg)	4150	8850	14150	18900	23900	28900	33800	38650
	Tonne	4.15	8.85	14.15	18.90	23.90	28.90	33.80	38.65

1 Tonne = 1000 Kg

Calibration Curve For Jack



I/C Testing Laboratories
UET Lahore, Pakistan.

Note:

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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/05/33196

Dated: 08-05-19

To
Assistant Resident Engineer
NESPAK
Development of Kartarpur Corridor

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76]**

Reference to your letter No. SA-394/11/A/01, dated 06.05.2019 on the subject cited above. One R.C.C. Pipe as received by us has been tested. The results are tabulated as under.

Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(mm)	(m)	(m)	(mm)	(mm)	(mm)	(kg)	(kg)	N/m/mm	N/m/mm
1	381.0 (15")	2.347	2.220	495.00	380.06	57.47	12900	18600	149.99	216.26

I/C Testing Laboratoires
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To,
 Dy Proj Mangr
 Project Management Unit NLC
 Infra Dev Works DHA Phase-IX Prism (Pkg-II, II & IV)

Reference # CED/TFL **33199** (Dr. Ali Ahmed)
 Reference of the request letter # 60701/NLC//Ph-IX

Dated: 08-05-2019
 Dated: 08-05-2019

Tension Test Report (Page – 1/2)

Date of Test 15-05-2019
 Gauge length 2 inches
 Description MS Pipe Steel Strip Tensile and Bend Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(inch)	(mm)									
1	MS Pipe	15	29.90x5.90	176.41	5900	8100	328.09	450.43	0.30	15.00	
2	MS Pipe	15	29.90x5.90	176.41	5800	8000	322.53	444.87	0.35	17.50	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile and One Sample for Bend Test											
Bend Test											
Strip Taken from MS Pipe (15") Bend Test Through 180° is Satisfactory											

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Pakistan. Ph: 92-42-99029202

To,
Dy Proj Mangr
Project Management Unit NLC
Infra Dev Works DHA Phase-IX Prism (Pkg-II, II & IV)

Reference # CED/TFL **33199** (Dr. Ali Ahmed)
Reference of the request letter # 60701/NLC//Ph-IX

Dated: 08-05-2019
Dated: 08-05-2019

Weight & Size Test Report (Page – 2/2)

Date of Test 15-05-2019
Gauge length -----
Description M.S Pipe Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	External Diameter	Internal Diameter	Thickness (t)	Remark
	(inch)	(g)	(mm)	(kg/m)	(mm)	(mm)	(mm)	
1	15	4633	81.10	57.13	394.00	382.20	5.90	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
Only One Sample for Test								

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

To,
Chief Resident Engineer
Osmani & Company (Pvt) Ltd
Swat Motorway Project

Reference # CED/TFL **33210** (Dr. Ali Ahmed)
Reference of the request letter # 286/CRE/QAT/SMP/2019

Dated: 10-05-2019
Dated: 09-05-2019

Tension Test Report (Page – 1/7)

Date of Test 15-05-2019
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	784.0	17900	175.60	20300	199.14	199	>3.50	137
2	12.70 (1/2")	775.0	781.0	17900	175.60	20400	200.12	199	>3.50	141
3	12.70 (1/2")	775.0	791.0	17700	173.64	19500	191.30	198	>3.50	143
4	12.70 (1/2")	775.0	787.0	18200	178.54	19800	194.24	199	>3.50	149
5	12.70 (1/2")	775.0	788.0	18500	181.49	20200	198.16	198	>3.50	153
6	12.70 (1/2")	775.0	793.0	17100	167.75	19700	193.26	199	>3.50	157

Only six 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

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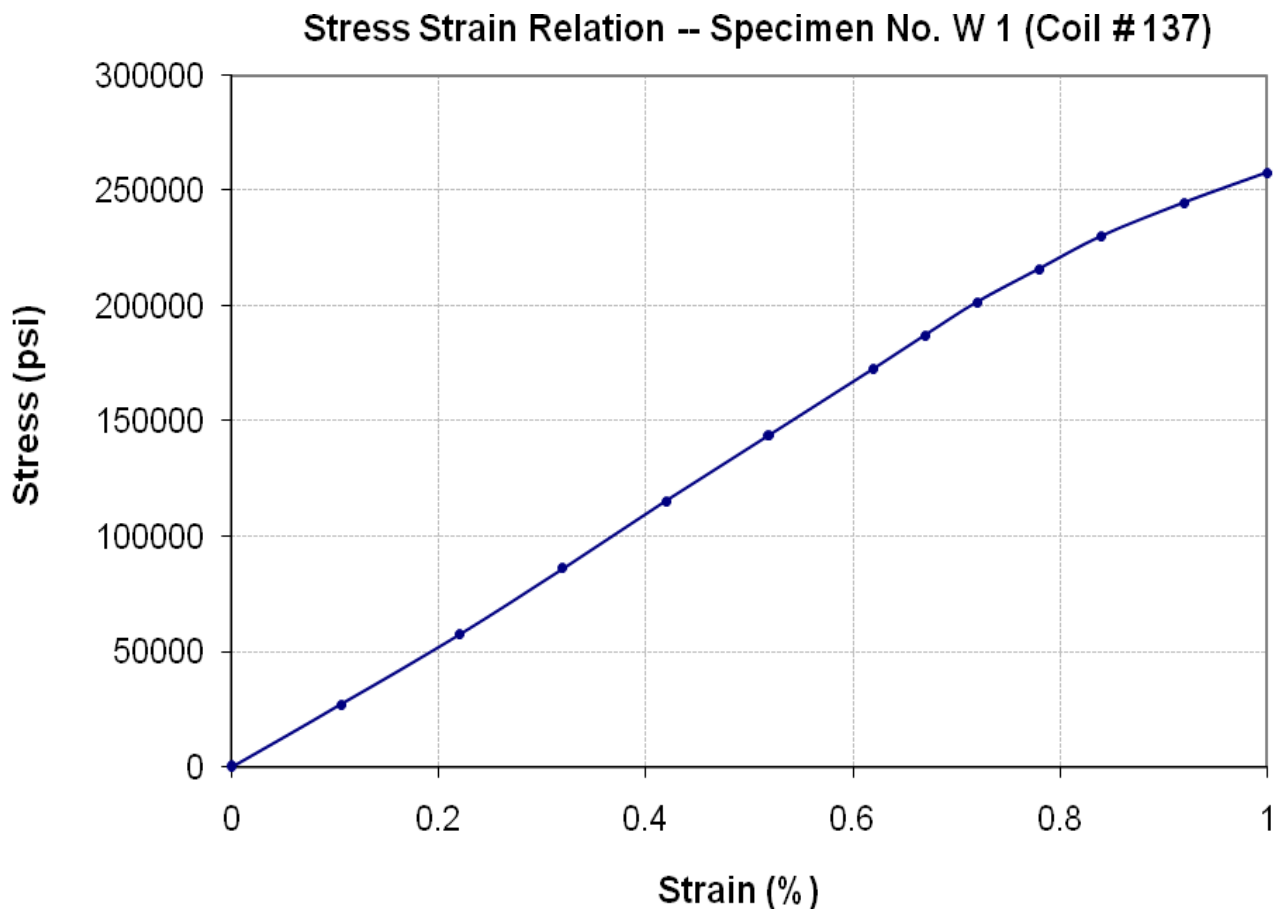
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To,
Chief Resident Engineer
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Reference # CED/TFL **33210** (Dr. Ali Ahmed)
Reference of the request letter # 286/CRE/QAT/SMP/2019

Dated: 10-05-2019
Dated: 09-05-2019

Graph (Page – 2/7)



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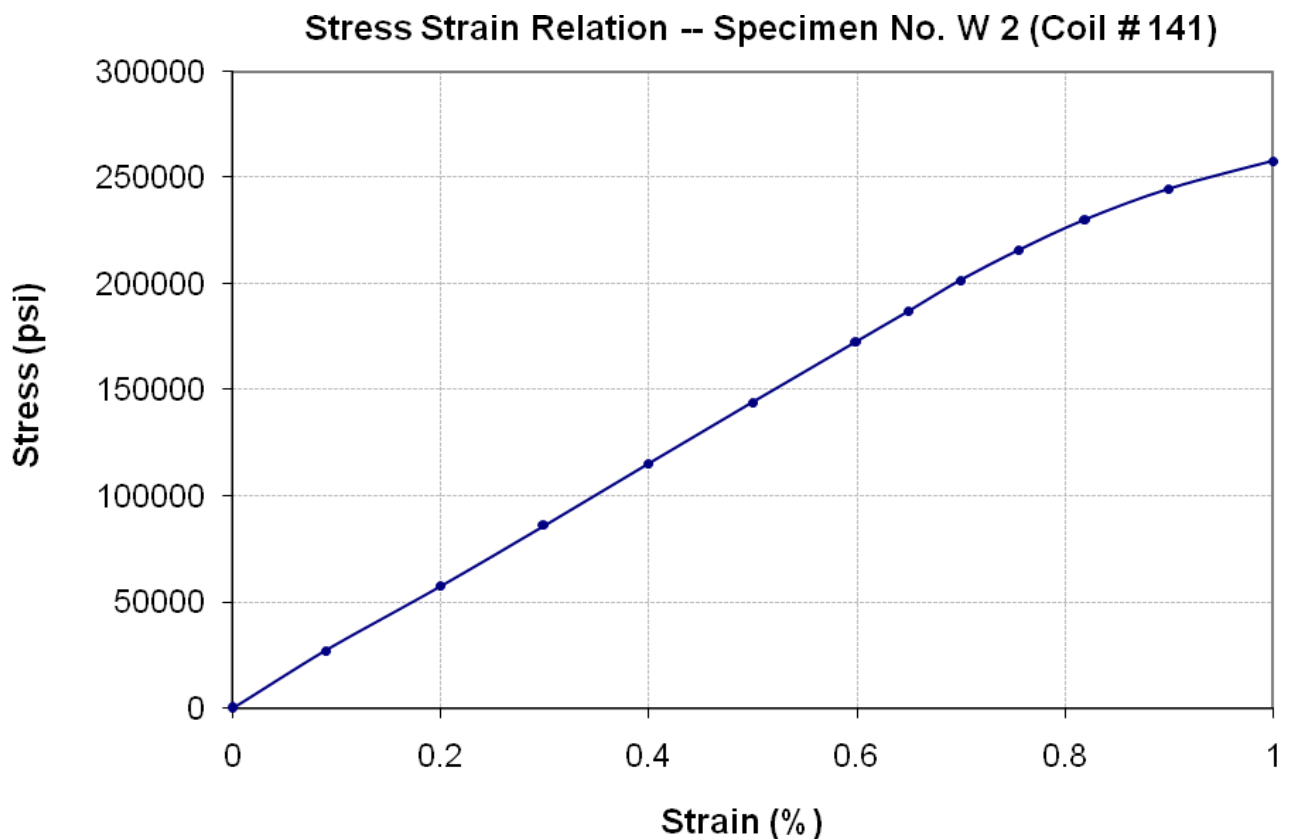
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To,
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Osmani & Company (Pvt) Ltd
Swat Motorway Project

Reference # CED/TFL **33210** (Dr. Ali Ahmed)
Reference of the request letter # 286/CRE/QAT/SMP/2019

Dated: 10-05-2019
Dated: 09-05-2019

Graph (Page – 3/7)



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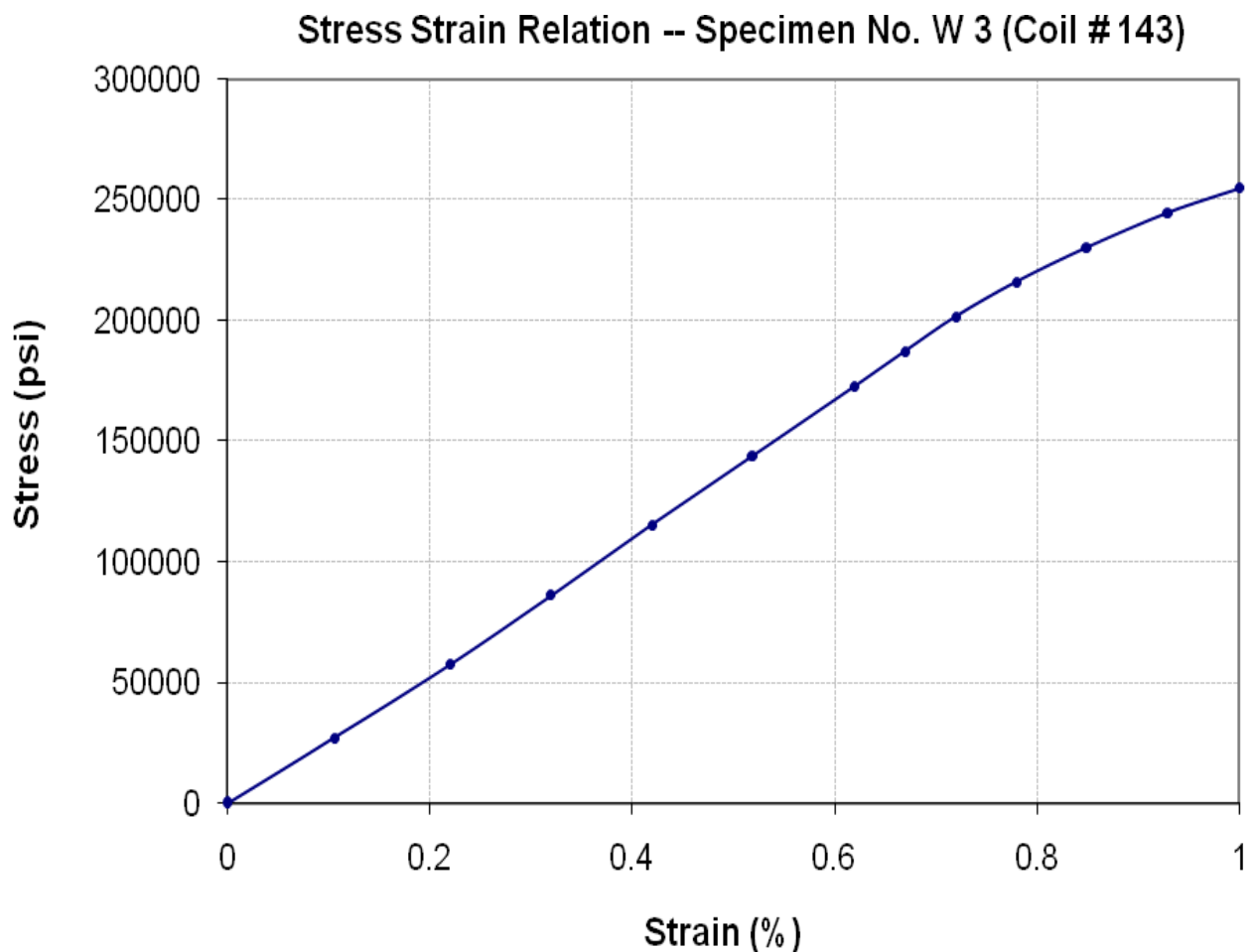
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To,
Chief Resident Engineer
Osmani & Company (Pvt) Ltd
Swat Motorway Project

Reference # CED/TFL **33210** (Dr. Ali Ahmed)
Reference of the request letter # 286/CRE/QAT/SMP/2019

Dated: 10-05-2019
Dated: 09-05-2019

Graph (Page – 4/7)



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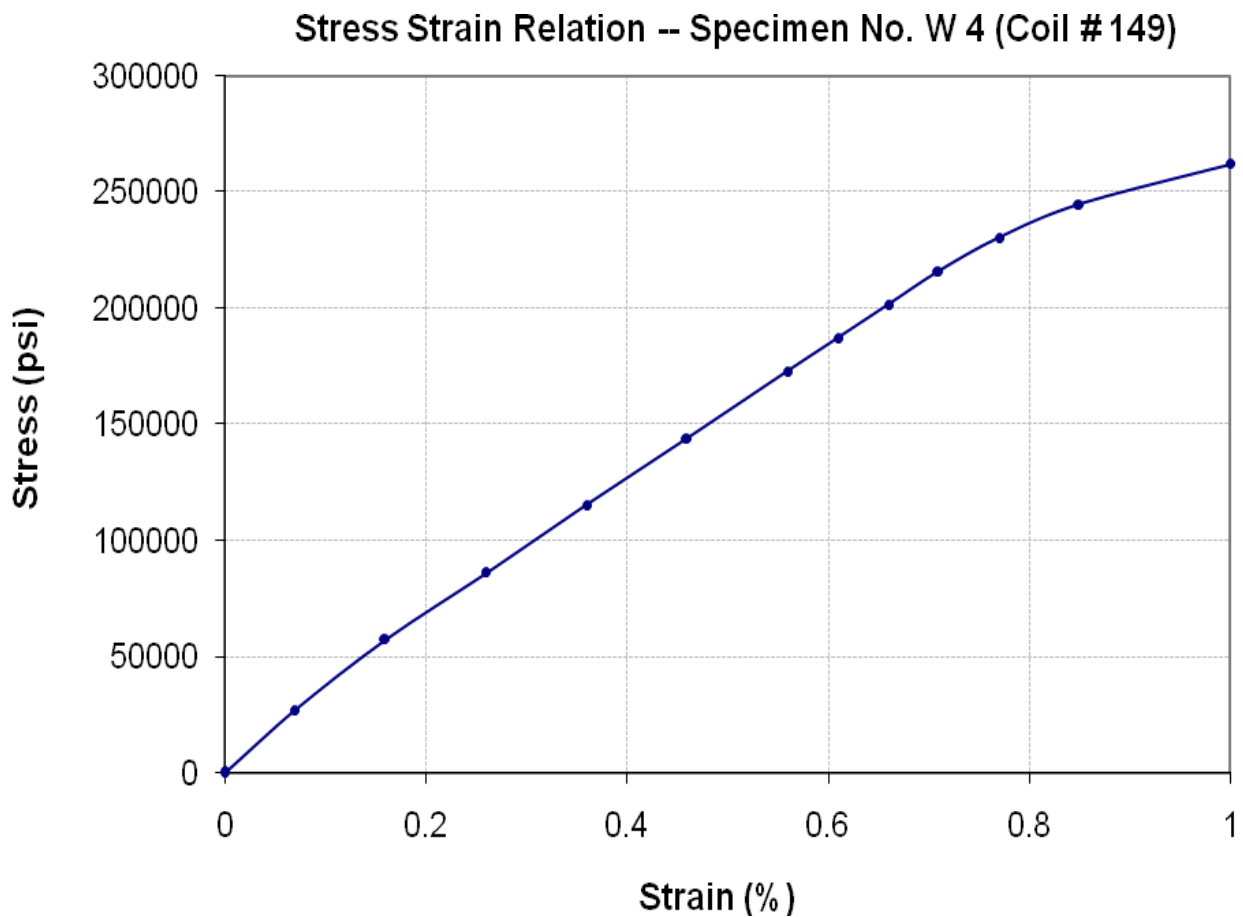
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To,
Chief Resident Engineer
Osmani & Company (Pvt) Ltd
Swat Motorway Project

Reference # CED/TFL **33210** (Dr. Ali Ahmed)
Reference of the request letter # 286/CRE/QAT/SMP/2019

Dated: 10-05-2019
Dated: 09-05-2019

Graph (Page – 5/7)



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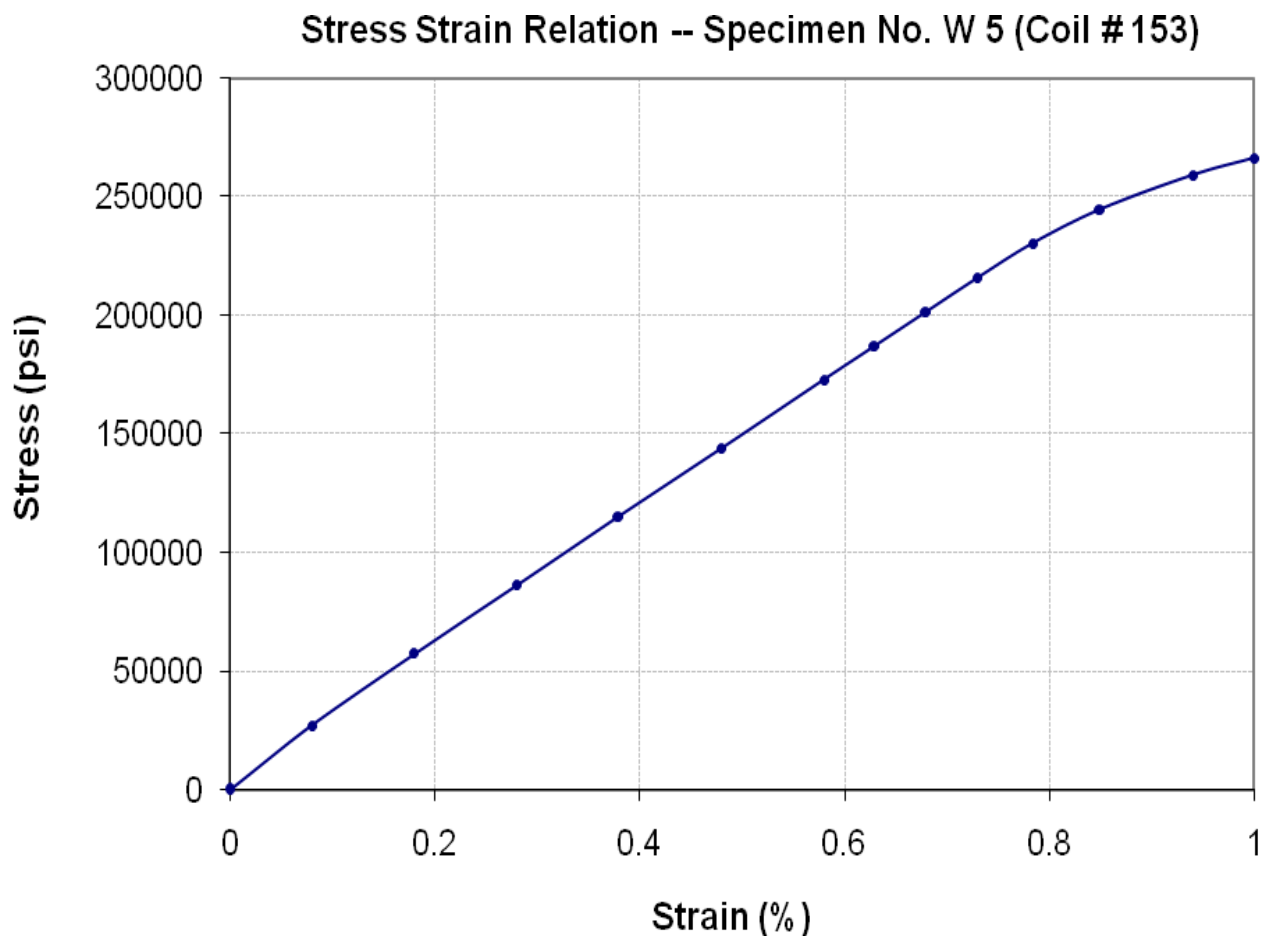
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Pakistan. Ph: 92-42-99029202

To,
Chief Resident Engineer
Osmani & Company (Pvt) Ltd
Swat Motorway Project

Reference # CED/TFL **33210** (Dr. Ali Ahmed)
Reference of the request letter # 286/CRE/QAT/SMP/2019

Dated: 10-05-2019
Dated: 09-05-2019

Graph (Page – 6/7)



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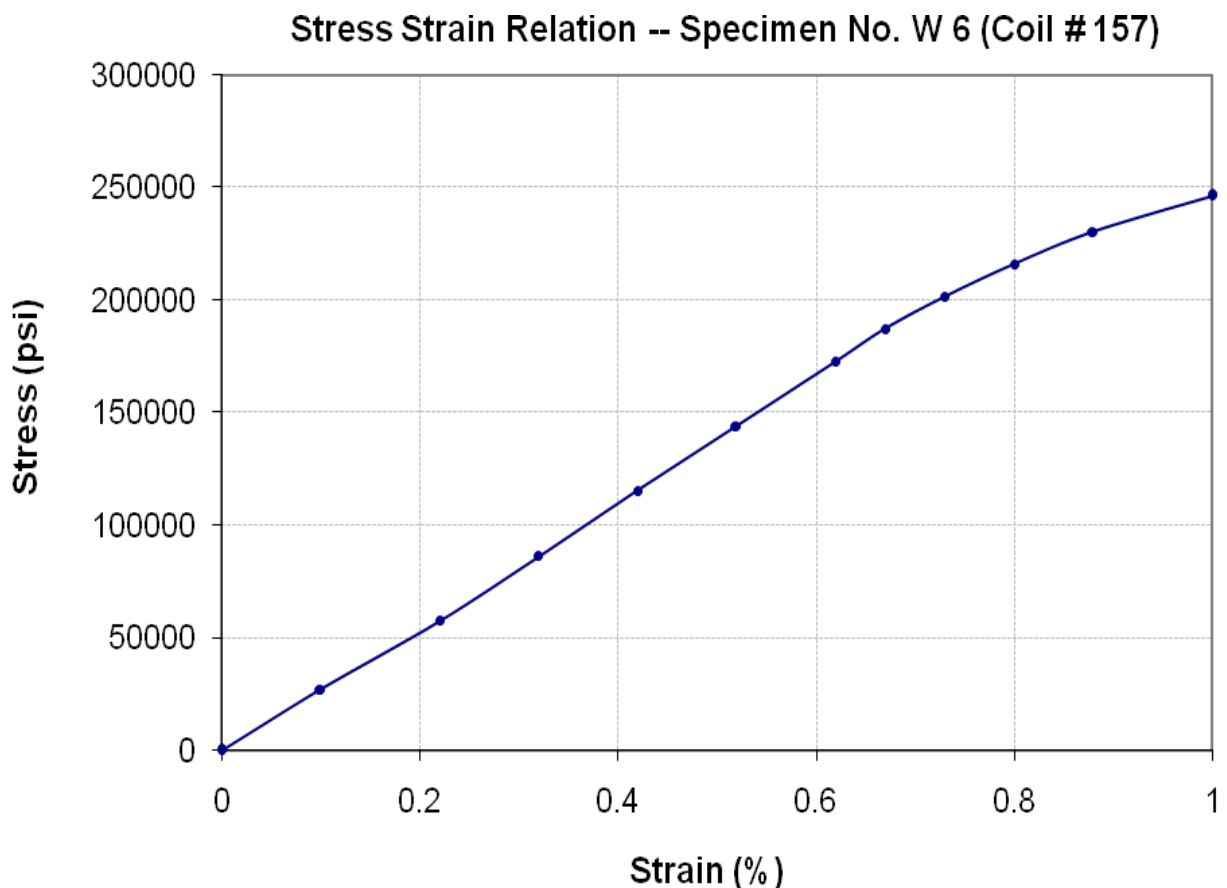
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Pakistan. Ph: 92-42-99029202

To,
Chief Resident Engineer
Osmani & Company (Pvt) Ltd
Swat Motorway Project

Reference # CED/TFL **33210** (Dr. Ali Ahmed)
Reference of the request letter # 286/CRE/QAT/SMP/2019

Dated: 10-05-2019
Dated: 09-05-2019

Graph (Page – 7/7)



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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 Unze Trading (Pvt) Limited
Lahore
(Leasing out MEPCO PC Pole Plant Lodhran for Manufacturing & Providing of Pre-Stressed
Cement Concrete Spun Hollow LT & HT Poles)

Reference # CED/TFL **33211** (Dr. Ali Ahmed)
Reference of the request letter # UNZE/291/2019

Dated: 13-05-2019
Dated: 05-05-2019

Tension Test Report (Page -1/2)

Date of Test 16-06-2019
Gauge length 8 inches
Description MS Wire 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	Remarks
		Nominal (mm)	Actual (mm)	Nominal	Actual							
1	0.151		4.95	-----	19.3	-----	1100	-----	560	0.4	5.0	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test												
Bend Test												

I/C Testing Laboratories
UET Lahore, Pakistan.

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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 Unze Trading (Pvt) Limited
Lahore
(Leasing out MEPCO PC Pole Plant Lodhran for Manufacturing & Providing of Pre-Stressed
Cement Concrete Spun Hollow LT & HT Poles)

Reference # CED/TFL **33211** (Dr. Ali Ahmed)
Reference of the request letter # UNZE/289/2019

Dated: 13-05-2019
Dated: 05-05-2019

Tension Test Report (Page – 2/2)

Date of Test 15-05-2019
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)		% Elongation	Remarks / Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)		
1	9.53 (3/8")	432.0	436.0	9300	91.23	10500	103.01	>3.50	xx
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
Only one sample for Test									

I/C Testing Laboratoires
UET Lahore, Pakistan.

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

To,
 Junior Research Officer-I
 Building Research Station
 Lahore
 (Moiz Steel)

Reference # CED/TFL **33221** (Dr. Ali Ahmed)
 Reference of the request letter # 154-R/1144

Dated: 13-05-2019
 Dated: 06-05-2019

Tension Test Report (Page -1/1)

Date of Test 15-05-2019
 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	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.372	3	0.373	0.11	0.109	3000	4900	60200	60440	98200	98800	1.40	17.5	
2	0.368	3	0.371	0.11	0.108	3100	4900	62200	63200	98200	99900	1.20	15.0	
3	5.275	11	1.405	1.56	1.550	47800	66000	67600	67950	93300	93900	1.80	22.5	
4	5.248	11	1.401	1.56	1.543	47600	66200	67300	68020	93600	94600	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#11 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
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Pakistan. Ph: 92-42-99029202

To,
 Project Manager
 Midland Developers
 Project 1, 2, 3, 25, 26 and 27 Commercial, Canal Valley, Main Canal Bank Road, near Bahria Town, Lahore
 Reference # CED/TFL 33222 (Dr. Ali Ahmed) Dated: 13-05-2019
 Reference of the request letter # Nil Dated: 03-05-2019

Tension Test Report (Page -1/1)

Date of Test 15-05-2019
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.389	3/8	0.381	0.11	0.114	3000	4900	60200	57900	98200	94600	1.30	16.3	
2	0.392	3/8	0.383	0.11	0.115	3100	5000	62200	59320	100200	95700	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
M/S Defence Housing Authority.
Lahore Cantt
(Infra Dev Works Sector-M (Extension), DHA PH-V)(M/s AAJ Engrs)

Reference # CED/TFL 33223 (Dr. Ali Ahmed)
Reference of the request letter # 408/241/E/Lab/567/23

Dated: 13-05-2019
Dated: 10-05-2019

Tension Test Report (Page -1/1)

Date of Test 15-04-2019
Gauge length -----
Description Deformed Steel Bar Tensile Test as per ASTM-A496

Sr. No.	Weight (Kg/m)	Diameter/ size		Area (mm ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (Mpa)		Ultimate Stress (Mpa)		Remarks
		Nominal (in)	Actual (mm)	Nominal	Actual			Nominal	Actual	Nominal	Actual	
1	0.270	1/4	6.62	32.26	34.39	2700	3500	821	770	1064	998	
2	0.272	1/4	6.65	32.26	34.70	2800	3600	851	792	1095	1018	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test												
Bend Test												

I/C Testing Laboratories
UET Lahore, Pakistan.

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To,
M/S Defence Housing Authority.
Lahore Cantt
(Construction of 1-Kanal Villas at DRGCC Club House DHA Ph-6)(M/s Linker Developers
(Pvt) Ltd)
Reference # CED/TFL 33224 (Dr. Ali Ahmed) Dated: 14-05-2019
Reference of the request letter # 408/241/E/Lab/569/123 Dated: 14-05-2019

Tension Test Report (Page -1/1)

Date of Test 15-05-2019
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	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.378	3	0.376	0.11	0.111	3100	5200	62200	61490	104200	103200	1.10	13.8	Ittefaq Steel
2	0.381	3	0.377	0.11	0.112	3000	5100	60200	59110	102200	100500	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

- 1- You can See your reports On Internet in the following web site
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- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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 Banu Mukhtar Contracting (Pvt) Ltd
Lahore
(Interloop Green Denim Factor)

Reference # CED/TFL 33225 (Dr. Ali Ahmed)
Reference of the request letter # BML/10891/004

Dated: 15-05-2019
Dated: 13-05-2019

Tension Test Report (Page -1/1)

Date of Test 15-05-2019
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	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.445	3	0.408	0.11	0.131	4200	5400	84200	70740	108200	91000	0.90	11.3	
2	0.449	3	0.410	0.11	0.132	4100	5500	82200	68480	110200	91900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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

To,
 Project Manager
 Icon Valley
 Icon Residencia

Reference # CED/TFL 33226 (Dr. Ali Ahmed)
 Reference of the request letter # IV-03

Dated: 15-05-2019
 Dated: 11-05-2019

Tension Test Report (Page -1/1)

Date of Test 15-05-2019
 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	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.364	3	0.369	0.11	0.107	3300	5000	66200	68060	100200	103200	1.20	15.0	
2	0.374	3	0.374	0.11	0.110	3500	5200	70200	70140	104200	104300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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

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

Reference # CED/TFL **33227** (Dr. Ali Ahmed) Dated: 14-05-2019
 Reference of the request letter # CPEC/NESPAK/CS/RE/PKG3/19/938 Dated: 02-05-2019

Tension Test Report (Page – 1/1)

Date of Test 15-05-2019
 Gauge length 2 inches
 Description W-Shape Beam Strip Tensile Test as per AASHTO M-180

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
1	W-Shape Beam	2.81x0.30	0.84	3200	4200	3795.97	4982.21	0.45	22.50	
2	W- Shape Beam	2.82x0.30	0.85	3500	4100	4137.12	4846.34	0.50	25.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile Test										
Bend Test										

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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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/05/33229

Dated: 14-05-19

To
CRE/Team Leader
NESPAK
Construction of Kakezai Cooperative Housing Society - Lahore
(M/s Afzaal BROTHERS & Co)

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76]**

Reference to your letter No. 3405/14/AGH/KCHS/06/8443, dated 07.05.2019 on the subject cited above. Two R.C.C. Pipes as received by us have been tested. The results are tabulated as under.

Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(mm)	(m)	(m)	(mm)	(mm)	(mm)	(kg)	(kg)	N/m/mm	N/m/mm
1	228.6 (9")	2.375	2.236	280.00	217.40	31.30	9300	10900	187.68	219.97
2	304.8 (12")	2.359	2.222	408.00	316.54	45.73	7900	9400	110.19	131.11

I/C Testing Laboratories
UET Lahore, Pakistan.

Note:

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

To,
Material Engineer (Sec-II & III)
Zeeruk International (Pvt) Ltd
LSM

Reference # CED/TFL **33234** (Dr. Ali Ahmed)
Reference of the request letter # LSM/M.E sec-II

Dated: 15-05-2019
Dated: 29-04-2019

Tension Test Report (Page – 1/1)

Date of Test 15-05-2019
Gauge length -----
Description Galvanized Fence Wire Tensile Test as per AASHTO-M-181

Sr. No.	Diameter of Wire	Breaking Load		Remarks
	(mm)	(kg)	(kN)	
1	3.10	520	5.10	
2	3.10	500	4.91	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only Two Samples for Test				

I/C Testing Laboratories
UET Lahore, Pakistan.

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- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples