



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

Construction / Re-Construction / Improvement of Metalled Road from More Khunda to Head Baloki Phase-1 km 0.00 to 8.60 km Length 8.60 km in District Nankana Sahib

Reference # CED/TFL **1844** (Dr. Usman Akmal)
 Reference of the request letter # 3811/103/ADP/AC/142

Dated: 26-08-2022
 Dated: 20-08-2022

Tension Test Report (Page -1/1)

Date of Test 01-09-2022
 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	3100	4700	62200	62520	94200	94800	1.10	13.8	
2	0.367	3	0.370	0.11	0.108	3100	4700	62200	63380	94200	96100	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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,
 Executive Engineer
 Highway Division, Gujrat
 (Dualization of Road from GT Road (Samma) to Gujrat Dinga Road I/C Gujrat Flyover Length =
 31 kms in District Gujrat)

Reference # CED/TFL **1855** (Dr. Ali Ahmed)
 Reference of the request letter # 2228

Dated: 30-08-2022
 Dated: 24-08-2022

Tension Test Report (Page -1/5)

Date of Test 01-09-2022
 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	0.382	3	0.378	0.11	0.112	3300	5000	66200	64800	100200	98200	0.90	11.3	FF Steel
2	0.383	3	0.379	0.11	0.113	3400	5100	68200	66570	102200	99900	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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.

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STRUCTURAL ENGINEERING DIVISION
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To,
Executive Engineer
Highway Division, Gujrat
(Dualization of Road from GT Road (Samma) to Gujrat Dinga Road I/C Gujrat Flyover Length =
31 kms in District Gujrat)

Reference # CED/TFL **1855** (Dr. Ali Ahmed)
Reference of the request letter # 2228

Dated: 30-08-2022
Dated: 24-08-2022

Tension Test Report (Page -2/5)

Date of Test 01-09-2022
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	781.0	17200	168.73	19700	193.26	199	>3.50	xx
2	12.70 (1/2")	775.0	783.0	17100	167.75	19900	195.22	198	>3.50	xx
3	12.70 (1/2")	775.0	782.0	17800	174.62	19700	193.26	199	>3.50	xx
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only three 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

I/C Testing Laboratoires
UET Lahore, Pakistan.

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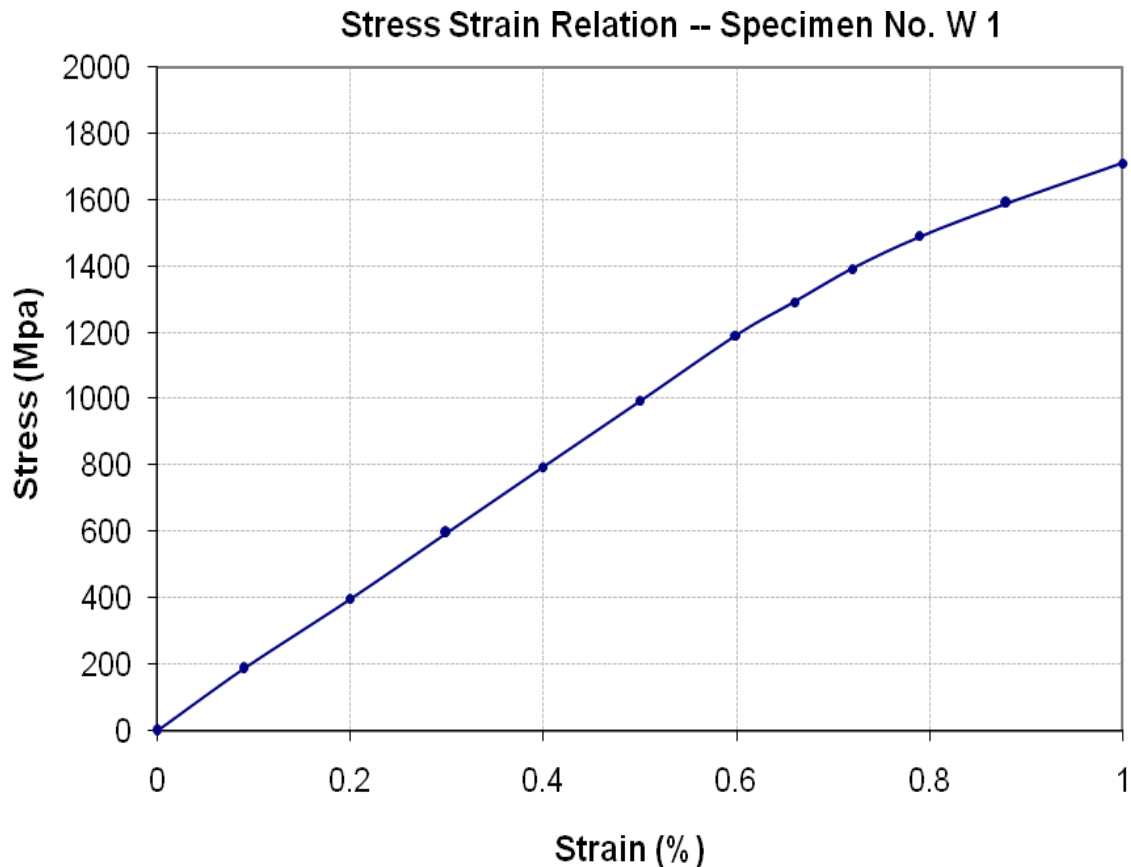
STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
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To,
Executive Engineer
Highway Division, Gujrat
(Dualization of Road from GT Road (Samma) to Gujrat Dinga Road I/C Gujrat Flyover Length =
31 kms in District Gujrat)

Reference # CED/TFL **1855** (Dr. Ali Ahmed)
Reference of the request letter # 2228

Dated: 30-08-2022
Dated: 24-08-2022

Graph (Page – 3/5)



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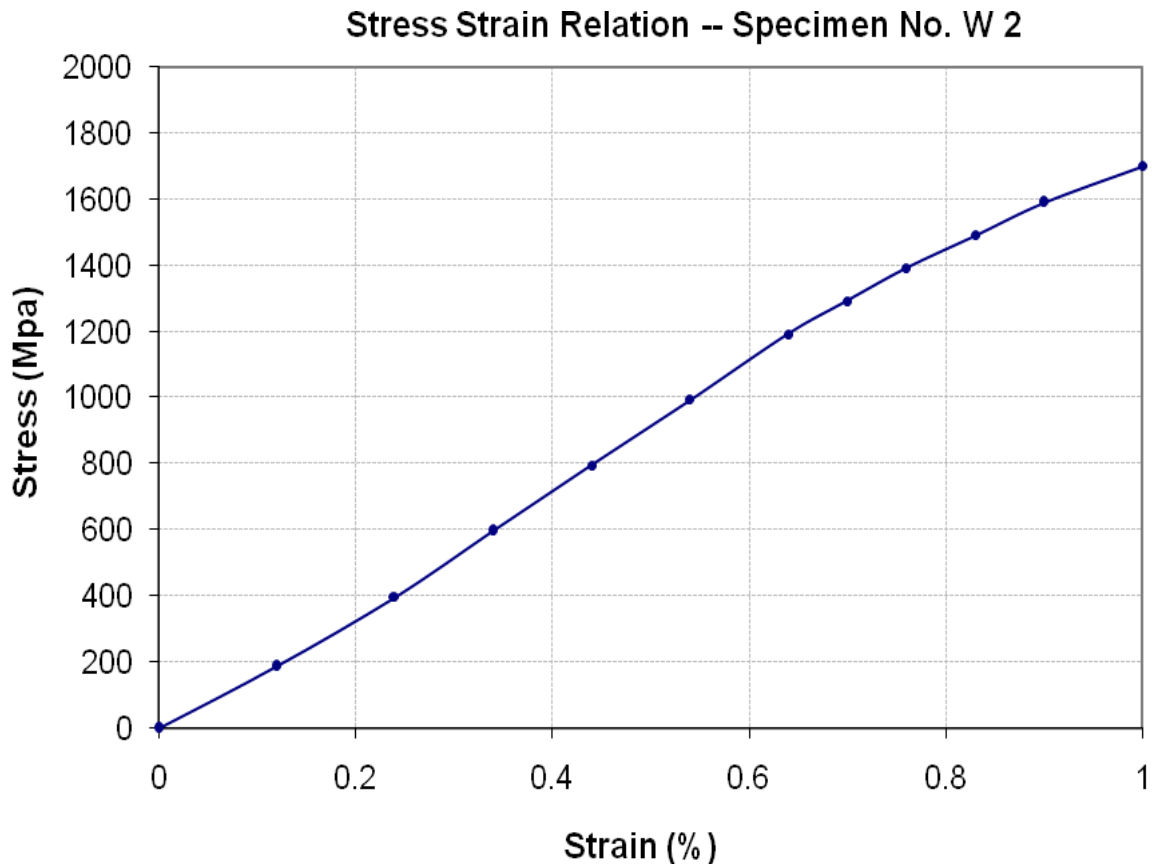
To,
Executive Engineer
Highway Division, Gujrat
(Dualization of Road from GT Road (Samma) to Gujrat Dinga Road I/C Gujrat Flyover Length =
31 kms in District Gujrat)

Reference # CED/TFL **1855** (Dr. Ali Ahmed)
Reference of the request letter # 2228

Dated: 30-08-2022

Dated: 24-08-2022

Graph (Page – 4/5)



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UET Lahore, Pakistan.

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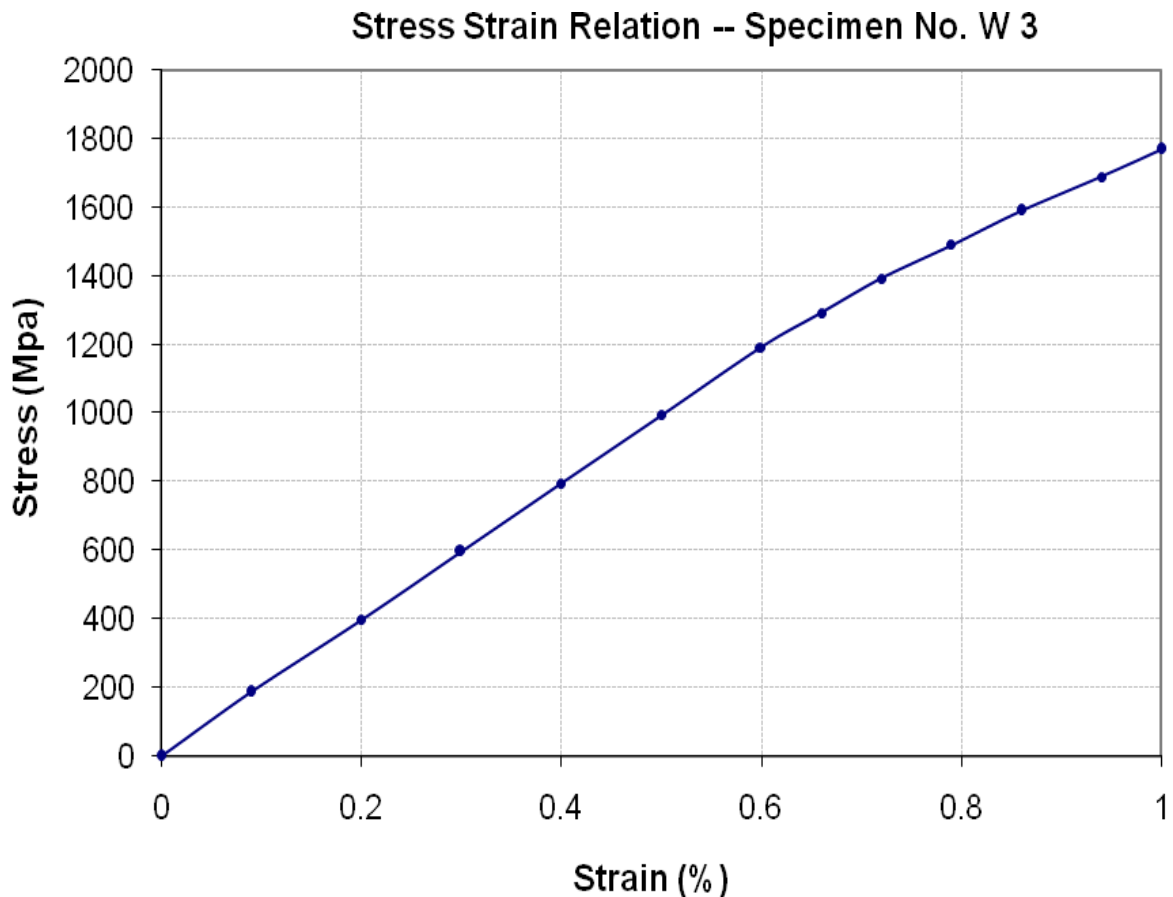
To,
Executive Engineer
Highway Division, Gujrat
(Dualization of Road from GT Road (Samma) to Gujrat Dinga Road I/C Gujrat Flyover Length =
31 kms in District Gujrat)

Reference # CED/TFL 1855 (Dr. Ali Ahmed)
Reference of the request letter # 2228

Dated: 30-08-2022

Dated: 24-08-2022

Graph (Page – 5/5)



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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 Junaid (Pvt.) Limited
Lahore
(Production of PC. Spun Hollow Poles for NTDC/DISCOs)

Reference # CED/TFL **1861** (Dr. Usman Akmal)
Reference of the request letter # JPL/Poles-03

Dated: 30-08-2022
Dated: 30-08-2022

Tension Test Report (Page -1/3)

Date of Test 01-09-2022
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	0.149	5	4.91	-----	18.9	-----	1300	-----	674	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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
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Pakistan. Ph: 92-42-99029202

To,
M/S Junaid (Pvt.) Limited
Lahore
(Production of PC. Spun Hollow Poles for NTDC/DISCOs)

Reference # CED/TFL **1861** (Dr. Usman Akmal)
Reference of the request letter # JPL/Poles-02

Dated: 30-08-2022
Dated: 30-08-2022

Tension Test Report (Page -2/3)

Date of Test 01-09-2022
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	440.0	10000	98.10	10900	106.93	>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,
M/S Junaid (Pvt.) Limited
Lahore
(Production of PC. Spun Hollow Poles for NTDC/DISCOs)

Reference # CED/TFL **1861** (Dr. Usman Akmal)
Reference of the request letter # JPL/Poles-01

Dated: 30-08-2022
Dated: 30-08-2022

Tension Test Report (Page -3/3)

Date of Test 01-09-2022
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	11.11 (7/16")	582.0	580.0	12300	120.66	13000	127.53	>3.50 Not ok	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,
 Assistant Project Engineer
 Defence Housing Authority
 Gujranwala
 “Construction of Villas (Block-B))

Reference # CED/TFL **1864** (Dr. Usman Akmal)
 Reference of the request letter # 111/3/APE Bldgs/Gen/21

Dated: 31-08-2022
 Dated: 31-08-2022

Tension Test Report (Page -1/1)

Date of Test 01-09-2022
 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	0.365	3	0.370	0.11	0.107	3300	4900	66200	67770	98200	100700	1.10	13.8	FF Steel
2	0.365	3	0.370	0.11	0.107	3400	4600	68200	69760	92200	94400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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.

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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
 Al Noor Developers
 Construct Al Noor Heights, Badian Road, Lahore

Reference # CED/TFL **1865** (Dr. Usman Akmal)
 Reference of the request letter # Nil

Dated: 31-08-2022
 Dated: 30-08-2022

Tension Test Report (Page -1/1)

Date of Test 01-09-2022
 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	0.387	3	0.380	0.11	0.114	3500	4800	70200	67890	96200	93200	1.30	16.3	FF Steel
2	0.372	3	0.373	0.11	0.109	3400	4700	68200	68480	94200	94700	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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.

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To,
 Project Manager
 Maypole Lime Light Pvt. Ltd
 Silicon Tower (Piling Work)

Reference # CED/TFL **1866** (Dr. Usman Akmal)
 Reference of the request letter # MLL-19

Dated: 31-08-2022
 Dated: 31-08-2022

Tension Test Report (Page -1/1)

Date of Test 01-09-2022
 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	0.362	3	0.368	0.11	0.106	3100	4800	62200	64280	96200	99600	1.20	15.0	
2	0.374	3	0.374	0.11	0.110	3300	4900	66200	66180	98200	98300	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.

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Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
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To,
 Project Director
 Overseas Construction Co. (Pvt) Ltd
 Gulberg City Centre, Lahore

Reference # CED/TFL **1868** (Dr. Usman Akmal)
 Reference of the request letter # Nil

Dated: 31-08-2022
 Dated: 31-08-2022

Tension Test Report (Page -1/1)

Date of Test 01-09-2022
 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	0.373	3	0.374	0.11	0.110	3500	4800	70200	70280	96200	96400	1.40	17.5	
2	0.367	3	0.371	0.11	0.108	3300	4500	66200	67390	90200	91900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

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Department of Civil Engineering
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To,
 Resident Engineer
 NESPAK

Construction / Improvement of Metalled Road from Mangtanwala Road to Kot Dewan Sign via Burj Ashraf abad Mangtanwala Village & Thathi Gullam Hussain I/C Link up to Thata Lahana Dass via Dhodhy Length 10.6 km in Nankana Sahib

Reference # CED/TFL **1869** (Dr. Usman Akmal)
 Reference of the request letter # 3811/103/RAP-II/AC/64

Dated: 31-08-2022
 Dated: 01-08-2022

Tension Test Report (Page -1/1)

Date of Test 01-09-2022
 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	0.368	3	0.371	0.11	0.108	3100	4700	62200	63150	94200	95800	1.30	16.3	
2	0.387	3	0.380	0.11	0.114	3100	4700	62200	60120	94200	91200	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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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,
 Sr. Engineer (Civil) KCP (W&S)
 Pakistan Atomic Energy Commission
 “Civil Work for COR & Repair of Outer Fence at Site Near Jauharabad”

Reference # CED/TFL **1870** (Dr. Usman Akmal) Dated: 31-08-2022
 Reference of the request letter # KCP(W&S)-Sec-(COR)/2022 Dated: 31-08-2022

Tension Test Report (Page -1/1)

Date of Test 01-09-2022
 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	0.384	3	0.379	0.11	0.113	2300	3100	46100	44970	62200	60700	1.10	13.8	
2	0.387	3	0.381	0.11	0.114	2400	3100	48100	46480	62200	60100	1.80	22.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

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STRUCTURAL ENGINEERING DIVISION
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To,
 XEN
 GE (Army)-II SIK
 (CA No. CEA-CZ-21/2022 – Const of 8 x Sldrs Flats 23 FF HQ 8 Div at SIK Cantt)(M/s
 Rafique & Brothers)
 Reference # CED/TFL **1871** (Dr. Usman Akmal) Dated: 31-08-2022
 Reference of the request letter # Nil Dated: 31-08-2022

Tension Test Report (Page -1/2)

Date of Test 01-09-2022
 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	0.377	3/8	0.376	0.11	0.111	4200	5100	84200	83450	102200	101400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
 XEN
 GE (Army)-II SIK
 (CA No. CEA-CZ-19/2022 – Const 1 x JCO Club, 37 FF HQ 54 IIBG at SIK Cantt)(M/s Ashraf & Brothers)
 Reference # CED/TFL **1871** (Dr. Usman Akmal) Dated: 31-08-2022
 Reference of the request letter # Nil Dated: 31-08-2022

Tension Test Report (Page -2/2)

Date of Test 01-09-2022
 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	0.372	3/8	0.373	0.11	0.109	3000	4800	60200	60440	96200	96700	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratories
UET Lahore, Pakistan.

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

To,

M/S Associates in Development (Pvt) Ltd
Islamabad
(Dhartian Bridge)

Reference # CED/TFL **1876** (Dr. Asif Hameed)
Reference of the request letter # RD/AID/202

Dated: 01-09-2022
Dated: 01-09-2022

Tension Test Report (Page – 1/1)

Date of Test 01-09-2022

Description: Steel Wire Rope Tensile Test

Material (reported) = Steel

Product (Obvious) = Wire Rope (Six strands helically laid around a core, in total seven strands)

Nominal diameter (reported) = 32 mm

Condition (Observed from image) = Used

Standard of manufacture = Unknown

Mechanical properties of wire = Unknown

Grips used for testing = V Grips

Test Length = 60cm (Proposed and agreed by client)

Sr. No.	Nominal Diameter (mm)	Measured Diameter (mm)	Measured Weight (kg/m)	Breaking Load (Tons)	Remarks
1	32	35	5.04	66	Break near the grips

I/C Testing Laboratoires
UET Lahore, Pakistan.

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