



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 Defence Housing Authority.
Lahore Cantt
(Infra Dev Works of Sector-U & V DHA Phase-VIII OHWT) – (M/s Ambiance Pvt) Ltd)

Reference # CED/TFL **37136** (Dr. Usman Akmal)
Reference of the request letter # 408/241/E/Lab/138/07

Dated: 30-09-2021
Dated: 29-09-2021

Tension Test Report (Page -1/2)

Date of Test 01-10-2021
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	0.358	3	0.366	0.11	0.105	3000	4500	60200	62860	90200	94300	1.30	16.3	S.J Steel
2	0.361	3	0.368	0.11	0.106	3100	4500	62200	64360	90200	93500	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

Note:

- 1- You can See your reports On Internet in the following web site
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To,
M/S Defence Housing Authority.
Lahore Cantt
(Infra Dev Works of Sector-U & V DHA Phase-VIII OHWT) – (M/s Ambiance Pvt) Ltd)
(Jamal)

Reference # CED/TFL **37136** (Dr. Waseem Abbass)
Reference of the request letter # 408/241/E/Lab/136/06

Dated: 30-09-2021
Dated: 23-09-2021

Tension Test Report (Page -2/2)

Date of Test 07-10-2021
Gauge length 2 inches
Description MS Pipe Steel Strip Tensile and Bend Test as Per ASTM A-53

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(inch)		(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	MS Pipe	16	27.50x6.30	173.25	4100	8000	232	453	0.75	37.50	
2			27.45x6.30	172.94	4000	8000	227	454	0.65	32.50	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile and One Sample for Bend Test											
Bend Test											
Strip Taken from MS Pipe (16") 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
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Pakistan. Ph: 92-42-99029202

To,
Resident Engineer
Dongil Engineering Consultants Co., Ltd.
Central Asia Regional Economic Cooperation (CAREC) Corridor Development Program – Tranche-1 Project
Construction of Additional 2-Lane Carriageway from Ratodero to Shikarpur N-55(Section-2) km 0+000 to km
43+400 (43.4km) (M/s Wire and Cable Product (Pvt) Ltd. Lahore)
Reference # CED/TFL **37147** (Dr. Qasim Khan) Dated: 05-10-2021
Reference of the request letter # RE/RS-2/LB/475 Dated: 02-10-2021

Tension Test Report (Page -1/4)

Date of Test 07-10-2021
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	785.0	17100	167.75	19500	191.30	199	>3.50	224
2	12.70 (1/2")	775.0	785.0	17500	171.68	19300	189.33	198	>3.50	220
3	12.70 (1/2")	775.0	783.0	16900	165.79	19300	189.33	199	>3.50	216
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

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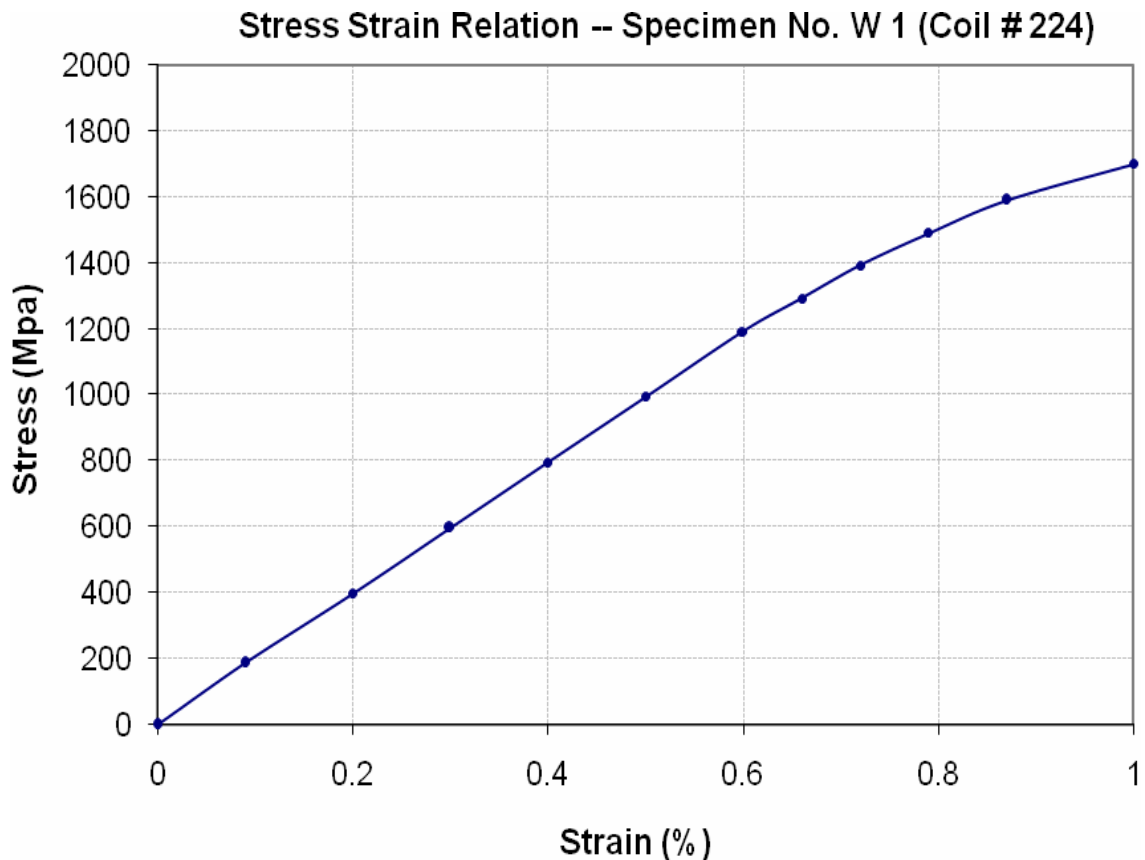
STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
Resident Engineer
Dongil Engineering Consultants Co., Ltd.
Central Asia Regional Economic Cooperation (CAREC) Corridor Development Program – Tranche-1 Project
Construction of Additional 2-Lane Carriageway from Ratodero to Shikarpur N-55(Section-2) km 0+000 to km
43+400 (43.4km) (M/s Wire and Cable Product (Pvt) Ltd. Lahore)
Reference # CED/TFL **37147 (Dr. Qasim Khan)**
Reference of the request letter # RE/RS-2/LB/475

Dated: 05-10-2021

Dated: 02-10-2021

Graph (Page – 2/4)



I/C Testing Laboratories
UET Lahore, Pakistan.

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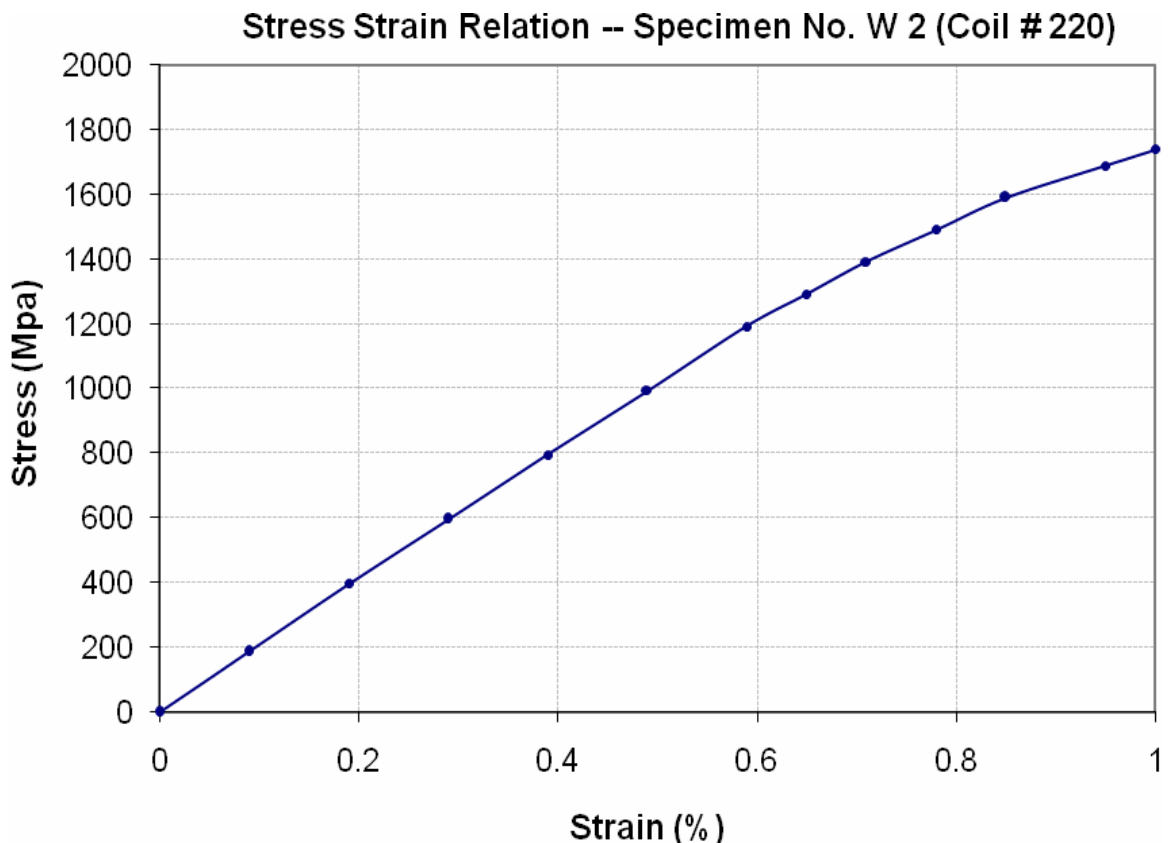
STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
Resident Engineer
Dongil Engineering Consultants Co., Ltd.
Central Asia Regional Economic Cooperation (CAREC) Corridor Development Program – Tranche-1 Project
Construction of Additional 2-Lane Carriageway from Ratodero to Shikarpur N-55(Section-2) km 0+000 to km
43+400 (43.4km) (M/s Wire and Cable Product (Pvt) Ltd. Lahore)
Reference # CED/TFL **37147** (Dr. Qasim Khan)
Reference of the request letter # RE/RS-2/LB/475

Dated: 05-10-2021

Dated: 02-10-2021

Graph (Page – 3/4)



I/C Testing Laboratoires
UET Lahore, Pakistan.

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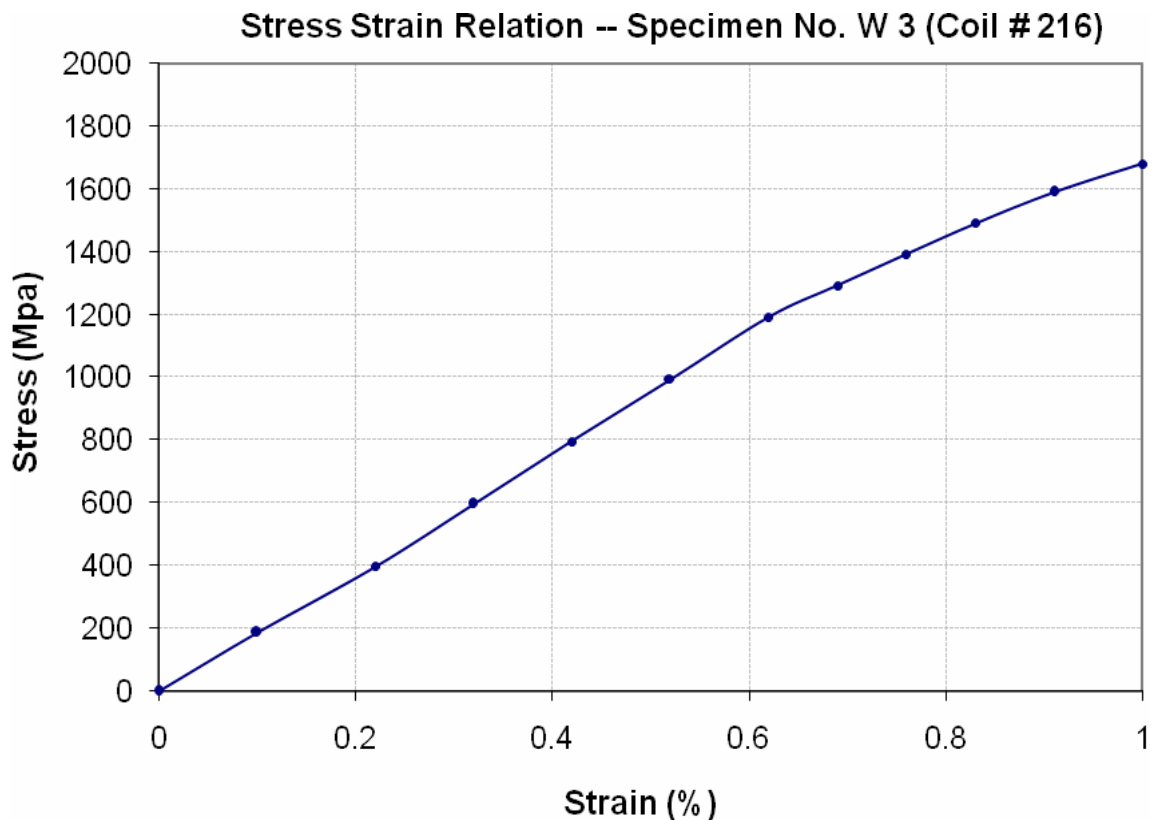
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Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
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To,
Resident Engineer
Dongil Engineering Consultants Co., Ltd.
Central Asia Regional Economic Cooperation (CAREC) Corridor Development Program – Tranche-1 Project
Construction of Additional 2-Lane Carriageway from Ratodero to Shikarpur N-55(Section-2) km 0+000 to km
43+400 (43.4km) (M/s Wire and Cable Product (Pvt) Ltd. Lahore)
Reference # CED/TFL **37147** (Dr. Qasim Khan)
Reference of the request letter # RE/RS-2/LB/475

Dated: 05-10-2021

Dated: 02-10-2021

Graph (Page – 4/4)



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 Mian M. Arshad Builder
 “Project Name; Palm Avenu II Commercial Building Sukh Chayn Garden, Lahore”

Reference # CED/TFL **37154** (Dr. Waseem Abbass)
 Reference of the request letter # Nil

Dated: 06-10-2021
 Dated: 05-10-2021

Tension Test Report (Page -1/1)

Date of Test 07-10-2021
 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	0.380	3	0.377	0.11	0.112	3600	5400	72200	71060	108200	106600	1.00	12.5	
2	0.370	3	0.372	0.11	0.109	3400	5000	68200	68960	100200	101400	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
 Pillar & Sons
 Rumanza Golf & Country Club, DHA Multan

Reference # CED/TFL **37155** (Dr. Waseem Abbass)
 Reference of the request letter # P&S/OTH/GEN/00048

Dated: 06-10-2021
 Dated: 04-10-2021

Tension Test Report (Page -1/1)

Date of Test 07-10-2021
 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	0.369	3	0.372	0.11	0.109	3700	5000	74200	75110	100200	101500	0.90	11.3	FF Steel
2	0.376	3	0.375	0.11	0.110	3700	5100	74200	73810	102200	101800	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,
 Resident Engineer
 AZ Engineering Associates
 Dualization of Road from GT Road (Samma) to Gujrat Dinga Road I/C Gujrat Flyover Length = 31 kms District Gujrat
 (Group No. II, km no. 2.10 to 17.53 Excluding Flyover on Gujrat Sargodha Road, Bridge over UJC, Bhimber Nullah & Including 2 No. Small Bridges with Approaches)
 Reference # CED/TFL 37157 (Dr. Waseem Abbass) Dated: 06-10-2021
 Reference of the request letter # RE AZEA/GT-234 Dated: 05-10-2021

Tension Test Report (Page -1/1)

Date of Test 07-10-2021
 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	0.383	3	0.378	0.11	0.113	3400	5000	68200	66610	100200	98000	1.10	13.8	SJ Steel
2	0.362	3	0.368	0.11	0.106	3200	5100	64200	66320	102200	105700	1.00	12.5	
3	4.234	10	1.259	1.27	1.245	43200	57600	75000	76510	100000	102100	1.30	16.3	
4	4.239	10	1.260	1.27	1.246	43200	57400	75000	76420	99700	101600	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#10 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,
 M/S Abdullah Khan Architects
 Islamabad
 CIMC (CMH Institute of Medical Sciences, DHA Bahawalpur)

Reference # CED/TFL **37158** (Dr. Waseem Abbass)
 Reference of the request letter # SRE/KB/01/CIMS/Site/Lab

Dated: 06-10-2021
 Dated: 30-10-2020

Tension Test Report (Page -1/3)

Date of Test 07-10-2021
 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	0.376	3	0.375	0.11	0.110	3400	4700	68200	67890	94200	93900	1.10	13.8	Kamran Steel
2	0.371	3	0.373	0.11	0.109	3500	4600	70200	70720	92200	93000	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Dia 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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Pakistan. Ph: 92-42-99029202

To,
M/S Abdullah Khan Architects
Islamabad
CIMC (CMH Institute of Medical Sciences, DHA Bahawalpur)

Reference # CED/TFL **37158** (Dr. Waseem Abbass)
Reference of the request letter # SRE/KB/01/CIMS/Site/Lab

Dated: 06-10-2021
Dated: 25-09-2020

Tension Test Report (Page -2/3)

Date of Test 07-10-2021
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	0.369	3	0.372	0.11	0.109	3400	4500	68200	69020	90200	91400	1.10	13.8	Kamran Steel
2	0.367	3	0.371	0.11	0.108	3300	4500	66200	67390	90200	91900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
M/S Abdullah Khan Architects
Islamabad
CIMC (CMH Institute of Medical Sciences, DHA Bahawalpur)

Reference # CED/TFL **37158** (Dr. Waseem Abbass)
Reference of the request letter # SRE/KB/01/CIMS/Site/Lab

Dated: 06-10-2021
Dated: 05-01-2021

Tension Test Report (Page -3/3)

Date of Test 07-10-2021
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	0.369	3	0.372	0.11	0.108	3200	4500	64200	65050	90200	91500	1.30	16.3	Kamran Steel
2	0.371	3	0.372	0.11	0.109	3100	4500	62200	62720	90200	91100	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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University of Engineering and Technology Lahore, 54890
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To,
M/S Karakoram Adventure Club
Lahore
(Construction of Zip Line 8 Kalabagh)

Reference # CED/TFL **37159** (Dr. Waseem Abbass)
Reference of the request letter # Nil

Dated: 06-10-2021
Dated: 06-10-2021

Tension Test Report (Page – 1/1)

Date of Test 07-10-2021
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	12	0.558	7800	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for 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
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To,
 Project Coordinator
 CCCE – ETERN – Al Hussain (Jv)
 Procurement of Plant, Design, Supply, Civil Works, Installation, Testing & Commissioning of
 New 132 kV Grid Station at Nagand Addition of New 132 kV Line Bays at Gawadar Old, Pasni,
 Hoshab, Turabat, Panjgoor, Basima and Nal Existing Grid Station on Turkey Basis, for
 Interconnection of Isolated Gawadar / Makran Rea with National Grid System of Pakistan
 Reference # CED/TFL **37161** (Dr. Waseem Abbass) Dated: 06-10-2021
 Reference of the request letter # CCE-ETERN-AL HUSSAIN/IGM/NGS-LOT#II/4127-29

Tension Test Report (Page -1/1)

Date of Test 07-10-2021
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		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	0.422	10	10.09	0.12	0.124	3300	4700	60627	58650	86347	83600	1.20	15.0	SAJ Steel
2	0.426	10	10.15	0.12	0.125	3700	5000	67975	65090	91858	88000	0.90	11.3	
3	0.419	10	10.06	0.12	0.123	3300	4700	60627	59050	86347	84100	1.10	13.8	
4	4.187	32	31.79	1.25	1.231	35200	52200	62082	63050	92064	93500	1.70	21.3	
5	4.325	32	32.32	1.25	1.271	42600	55600	75133	73860	98061	96400	1.60	20.0	
6	4.209	32	31.88	1.25	1.237	35800	51800	63140	63780	91359	92300	1.50	18.8	
Note: only six samples for tensile and two samples for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														
32mm Dia Bar Bend Test Through 180° is Satisfactory														

Witness by Ahsan Majeed (Civil Engineer)

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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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

Ref: CED/TFL/10/37162

Dated: 06-10-2021

Dated of Test: 07-10-2021

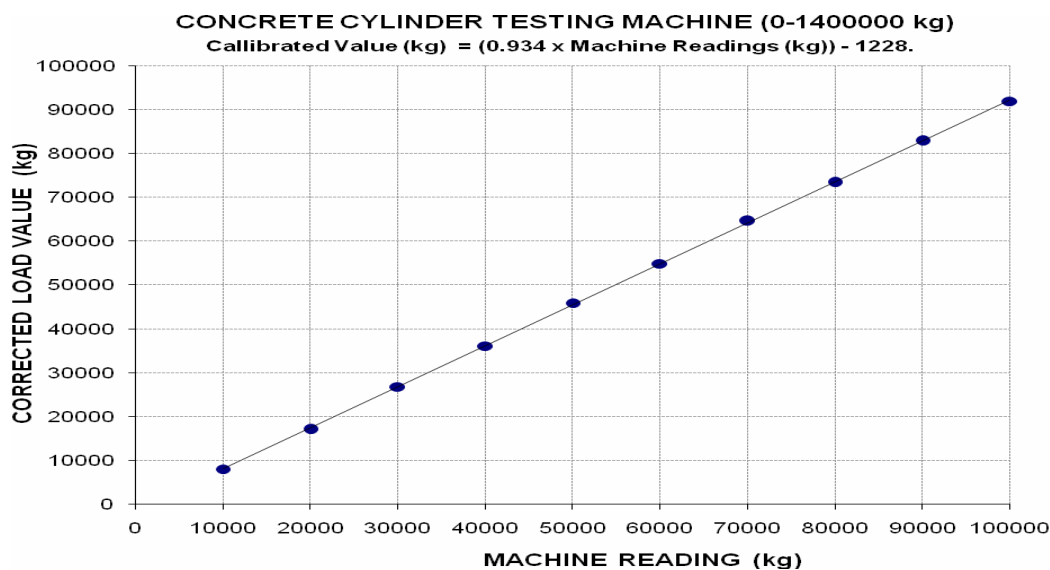
To
M/S Unze Trading (Pvt) Limited
Lahore
(Leasing out MEPCO PC Pole Plant Lodhran)

Subject:- CALIBRATION OF CONCRETE CYLINDER TESTING MACHINE OF 140000 (kg) (MARK: CED/TFL/10/37162)

Reference to your letter No. UNZE/1405/2021, dated: 28/09/2021 on the subject cited above. One Concrete Cylinder Testing Machine has been calibrated by using standard calibration device. The results are tabulated as under:

Total Range : Zero - 140000 (Lbs)
Calibrated Rang : Zero - 100000 (Lbs)

Machine Reading (kg)	10000	20000	30000	40000	50000	60000	70000	80000	90000	100000
Corrected Load Value (kg)	8057	17103	26835	36120	45906	54907	64600	73416	82824	91882



I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Sub Divisional Officer
 Buildings Sub Division
 Kasur

(Construction of 01-No. Additional Class Room at Govt. Boys Primary School Choor Pura (Ahmed Pur) Tehsil & District Kasur)
 (Construction of 02-Nos. Additional Class Room at Govt. Boys Primary School Newn Thel Tehsil & District Kasur)

Reference # CED/TFL **37163** (Dr. Waseem Abbass)
 Reference of the request letter # 379

Dated: 07-10-2021
 Dated: 30-09-2021

Tension Test Report (Page -1/1)

Date of Test 07-10-2021
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile 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	0.383	3/8	0.379	0.11	0.113	2800	4000	56200	54790	80200	78300	1.30	16.3	
2	0.333	3/8	0.353	0.11	0.098	4400	7200	88200	99010	144300	162100	0.70	8.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples 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,
 Director
 Abdullah Bin Subayyal Developers Pvt. Ltd.
 Bahria Town, Lahore

Reference # CED/TFL 37167 (Dr. Asad Ali)
 Reference of the request letter # Nil

Dated: 07-10-2021
 Dated: 07-10-2021

Tension Test Report (Page -1/1)

Date of Test 07-10-2021
 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	0.358	3/8	0.366	0.11	0.105	6470	7140	129700	135450	143100	149500	0.75	9.4	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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