



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

To,
 Manager Construction Projects
 Allied Bank
 Construction of ABL Building, 3-Babar Block, New Garden Town, Lahore

Reference # CED/TFL **36347** (Dr. Ali Ahmed) Dated: 19-04-2021
 Reference of the request letter # HOL/ENGG. C.P./SM/2021/23 Dated: 19-04-2021

Tension Test Report (Page -1/1)

Date of Test 21-04-2021
 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	0.372	3	0.373	0.11	0.109	4100	4900	82200	82640	98200	98800	0.90	11.3	Amreli Steel
2	0.368	3	0.371	0.11	0.108	4200	4900	84200	85600	98200	99900	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

Note:

- 1- You can See your reports On Internet in the following web site
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- 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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Test Floor Laboratory
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To,
 M/S CM Engineering (Pvt) Ltd
 Lahore
 (CMPAK Project Site ID = 52980, 52530, 52982, 52822, 52517, 50686, 51800, 51126, 52295, 52981, 51328)

Reference # CED/TFL **36348** (Dr. Ali Ahmed)
 Reference of the request letter # CME/Steel/CMPAK/350

Dated: 19-04-2021
 Dated: 10-04-2021

Tension Test Report (Page -1/1)

Date of Test 21-04-2021
 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	0.372	10	9.47	0.12	0.109	3100	4600	56952	62540	84510	92800	1.40	17.5	
2	0.368	10	9.42	0.12	0.108	3000	4500	55115	61190	82673	91800	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
Resident Engineer
EA Consulting Pvt Ltd
Life Style Residency Apartment - Bedian Road

Reference # CED/TFL **36349** (Dr. Ali Ahmed)
Reference of the request letter # EA/FGEHA/LHE/120

Dated: 19-04-2021
Dated: 19-04-2021

Tension Test Report (Page -1/1)

Date of Test 21-04-2021
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	4.176	10	1.250	1.27	1.227	36800	51400	63900	66080	89300	92300	1.90	23.8	
2	4.153	10	1.247	1.27	1.221	36400	51000	63200	65720	88600	92100	1.90	23.8	
3	4.189	10	1.252	1.27	1.231	36600	51200	63600	65520	88900	91700	1.70	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three samples for tensile and two sample for bend test														
Bend Test														
#10 Dia 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,
 Project Manager
 Apical Development (Pvt) Ltd
 Construction of Ivory Residencia, 78C1 Gulberg 3, Lahore

Reference # CED/TFL **36350** (Dr. Ali Ahmed)
 Reference of the request letter # RMZ-TEST-APR-02

Dated: 20-04-2021
 Dated: 19-04-2021

Tension Test Report (Page -1/1)

Date of Test 21-04-2021
 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	3100	4400	62200	62940	88200	89400	1.10	13.8	
2	0.372	3	0.373	0.11	0.109	3600	4800	72200	72530	96200	96700	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

Note:

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Test Floor Laboratory
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To,
 Resident Engineer
 NESPAK
 Development of Infrastructure in LDA City, Lahore (Package 3 of Development Area – 1)

Reference # CED/TFL **36351** (Dr. Ali Ahmed) Dated: 20-04-2021
 Reference of the request letter # 4047/13/OH/04-KRC/166 Dated: 16-04-2021

Tension Test Report (Page -1/1)

Date of Test 21-04-2021
 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	0.392	3	0.383	0.11	0.115	3600	4900	72200	68830	98200	93700	1.10	13.8	Mughal Steel
2	0.393	3	0.384	0.11	0.116	3500	4900	70200	66700	98200	93400	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.

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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,
 Site Incharge
 Safiya Homes Pvt Ltd.
 Lahore

Reference # CED/TFL **36352** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 20-04-2021
 Dated: 18-04-2021

Tension Test Report (Page -1/1)

Date of Test 21-04-2021
 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	0.363	3	0.369	0.11	0.107	3300	4700	66200	68180	94200	97100	1.20	15.0	
2	0.365	3	0.369	0.11	0.107	3400	4700	68200	69890	94200	96700	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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Test Floor Laboratory
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To,
 Deputy Director (P&D)
 National Textile University, Faisalabad
 Construction of Girls Hostel (G+3) for 63 Students at University

Reference # CED/TFL **36353** (Dr. Ali Ahmed)
 Reference of the request letter # NTU/C.W/G.H/21-14

Dated: 20-04-2021
 Dated: 12-04-2021

Tension Test Report (Page -1/1)

Date of Test 21-04-2021
 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	0.373	3/8	0.373	0.11	0.110	3400	4800	68200	68410	96200	96600	1.30	16.3	
2	0.375	3/8	0.375	0.11	0.110	3300	4800	66200	66010	96200	96100	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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STRUCTURAL ENGINEERING DIVISION
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To,
 M/S Defence Housing Authority.
 Lahore Cantt
 (Const. of 2-Kanal Villas at DRGCC DHA Ph-VI) – (M/s Construct)

Reference # CED/TFL **36354** (Dr. M Rizwan Riaz)
 Reference of the request letter # 408/241/E/Lab/65/6523

Dated: 21-04-2021
 Dated: 21-04-2021

Tension Test Report (Page -1/1)

Date of Test 21-04-2021
 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	0.373	3	0.374	0.11	0.110	3500	4600	70200	70370	92200	92500	1.00	12.5	Kamran Steel
2	0.364	3	0.369	0.11	0.107	3200	4400	64200	65960	88200	90700	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.

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To,
M/S China Energy Engineering Group
Jiandsu Power Design Institute Co., Ltd
Design, Manufacture, Supply Installatiomn, Erection, Testing & Commission of 220kV Zhob
Substation & Associated Extension Works at 220kV D.I Khan Substation

Reference # CED/TFL **36356** (Dr. M Rizwan Riaz) Dated: 21-04-2021
Reference of the request letter # JSPDI/ADB-200(Lot-II)/UET-P/107 Dated: 20-04-2021

Tension Test Report (Page -1/1)

Date of Test 21-04-2021
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	0.395	3	0.384	0.11	0.116	3500	4800	70200	66500	96200	91200	1.30	16.3	FF Steel
2	0.394	3	0.384	0.11	0.116	3500	4800	70200	66630	96200	91400	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.

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