



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/12/37479
Dated of Test: 10-12-2021

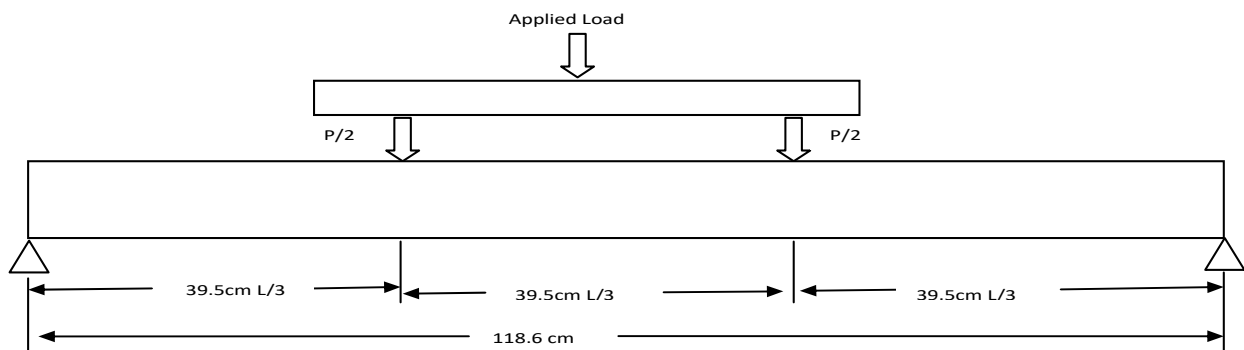
Dated: 06-12-2021

To
M/S Air Link Communication Limited
Lahore
(Constructing Production Hall on First Floor at 152/1-M, Quaid-e-Azam Industrial Estate, Kot Lakh Pat Lahore.)

Subject: **TESTING OF RCC SLAB**

Reference to your letter No. Nil, dated 06.12.2021 on the subject cited above. Two RCC Slabs as received by us have been tested in Flexure (Four point loading). The results are tabulated as under.

Sr. No.	Total Length	Width	Breaking Load
	(cm)	(cm)	(kg)
1	118.60	41.80	600
2	119.2	43.20	640



I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

- 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



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
 Barqaab Consulting Services (Pvt) Limited.
 Design, Manufacture, Supply, Erection, Testing & Commissioning of 132/11.5 kv (GIS) MOC
 Grid Station, Sector A, Phase VI, DHA Lahore
 Reference # CED/TFL 37487 (Dr. Rizwan Azam) Dated: 07-12-2021
 Reference of the request letter # BQB/DHA-MOC/PM008 Dated: 30-11-2021

Tension Test Report (Page -1/2)

Date of Test 10-12-2021
 Gauge length 8 inches
 Description Anchor Bolt Tensile and Bend Test as per ASTM- F1554

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	8.055	36	36.15	-----	1026.1	60600	77800	579	744	1.90	23.8	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test												
Bend Test												
36mm Dia Anchor Bolt Bar Bend Test Through 180° is Satisfactory												

Witness by Yasir Ashfaq (Site Engr. Barqaab Consulting)

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

- 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



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
Barqaab Consulting Services (Pvt) Limited.
Design, Manufacture, Supply, Erection, Testing & Commissioning of 132/11.5 kv (GIS) MOC
Grid Station, Sector A, Phase VI, DHA Lahore

Reference # CED/TFL **37487** (Dr. Rizwan Azam)
Reference of the request letter # BQB/DHA-MOC/PM008

Dated: 07-12-2021
Dated: 30-11-2021

Slippage Test Report (Page -2/2)

Date of Test 10-12-2021
Gauge length --
Description Anchor Bolt Proof Load / Slippage Test

Sr. No.	Dia	Failure Load	Mode of Failure	Remarks
	(mm)	(kg)	---	
1	36	510000	Thread Failure	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
Note: only one sample for test				

Witness by Yasir Ashfaq (Site Engr. Barqaab Consulting)

I/C Testing Laboratories
UET Lahore, Pakistan.

Note:

- 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



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 of Underpass Across Bedian Road Connecting Phase-VI with Phase-IX, DHA,
 Lahore

Reference # CED/TFL **37494** (Dr. Rizwan Azam)
 Reference of the request letter # 3790/102/IUK/UET/01/010

Dated: 08-12-2021
 Dated: 07-12-2021

Tension Test Report (Page -1/1)

Date of Test 10-12-2021
 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	0.377	3	0.376	0.11	0.111	3200	4900	64200	63590	98200	97400	1.10	13.8	Mughal Steel
2	0.380	3	0.377	0.11	0.112	3900	4900	78200	76980	98200	96800	0.90	11.3	
3	4.235	10	1.259	1.27	1.245	36000	52000	62500	63740	90300	92100	1.60	20.0	
4	4.158	10	1.247	1.27	1.222	42000	55800	72900	75740	96900	100700	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

Note:

- 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



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

To,
 Construction Manager
 Tameer Constriction Pvt Ltd
 12/C Zeid Saigol House Gulberg II, Lahore

Reference # CED/TFL **37498** (Dr. Rizwan Azam)
 Reference of the request letter # Nil

Dated: 09-12-2021
 Dated: 22-10-2021

Tension Test Report (Page -1/1)

Date of Test 10-12-2021
 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	0.360	3	0.367	0.11	0.106	3200	4600	64200	66750	92200	96000	1.30	16.3	
2	0.361	3	0.368	0.11	0.106	3200	4700	64200	66430	94200	97600	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:

- 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



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

To,
 Operation Manager
 Safiya Homes (Pvt) Ltd
 31-10A Abu Bakar Block, New Garden Town, Lahore

Reference # CED/TFL **374500** (Dr. Rizwan Azam)
 Reference of the request letter # SA/B4/001

Dated: 09-12-2021
 Dated: 09-12-2021

Tension Test Report (Page -1/1)

Date of Test 10-12-2021
 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	0.393	3	0.383	0.11	0.115	3900	5400	78200	74490	108200	103200	1.00	12.5	
2	0.404	3	0.389	0.11	0.119	4000	5600	80200	74300	112300	104100	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
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