Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10392

To: **Engr. Arsalan Haider (Resident Engineer)** Dr. M. Yousaf
Mukhtar Sons Construction (Pvt.) Ltd.
Project: T-Sqaure Apartment Building Gulberg, Lahore

Our Ref. No. CL/CED/ 569 Dated: 10-08-20

Your Ref. No. Nil Dated: 07-08-20

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 07-08-20 Tested on: 07-08-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Tank Raft (4500 Psi)	8	7	2020	6Diax12	14	28.28	63	4990	Non Engraved
2	Tank Raft (4500 Psi)	8	7	2020	6Diax12	14	28.28	67	5310	Non Engraved
3	Tank Raft (4500 Psi)	8	7	2020	6Diax12	14.6	28.28	86	6820	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)
** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
**** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory
The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10393

To: **Engr. Arsalan Haider (Resident Engineer)** Dr. M. Yousaf
Mukhtar Sons Construction (Pvt.) Ltd.
Project: T-Sqaure Apartment Building Gulberg, Lahore

Our Ref. No. CL/CED/ 570 Dated: 10-08-20

Your Ref. No. Nil Dated: 07-08-20

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 07-08-20 Tested on: 07-08-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Basement Slab (4500 Psi)	31	7	2020	6Diax12	14.4	28.28	76	6020	Non Engraved
2	Basement Slab (4500 Psi)	31	7	2020	6Diax12	14	28.28	83	6580	Non Engraved
3	Basement Slab (4500 Psi)	31	7	2020	6Diax12	14.4	28.28	98	7770	Non Engraved
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**** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

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supervisor(lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10386

To: **Engr. Muhammad Akbar (CEO)** Dr. M. Yousaf
NAM Associates, Lahore
Project: Commercial 589-H, Johar Town, Lahore

Our Ref. No. CL/CED/ 571 Dated: 10-08-20

Your Ref. No. Nam-418/16 Dated: 05-08-20

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 05-08-20 Tested on: 07-08-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1		7 7 2020	6Diax12	14	28.28	39	3090	Engraved
2		7 7 2020	6Diax12	14	28.28	33	2620	Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10388

To: **Allah Ditta (S.S)** Dr. M. Yousaf
Alpha Concepts, Lahore
Project: Sports Complex of UET Lahore

Our Ref. No.
CL/CED/ 572 Dated: 10-08-20

Your Ref. No. Nil Dated: 06-08-20

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 06-08-20 Tested on: 07-08-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	4000 Psi (1 : 1.5 : 3)	27	7	2020	6Diax12	14	28.28	37	2940	Non Engraved
2	4000 Psi (1 : 1.5 : 3)	27	7	2020	6Diax12	14	28.28	41	3250	Non Engraved
3	4000 Psi (1 : 1.5 : 3)	27	7	2020	6Diax12	13.8	28.28	41	3250	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
**** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory
The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10390

To: **M. Qasim Farooq (Project Manager)** Dr. M. Yousaf
SIA Engineers & Contractors, Gujranwala
Project: B2S, Site ID ADD-016, Tower Beams & Pad

Our Ref. No. CL/CED/ 573 Dated: 10-08-20

Your Ref. No. SIA/Cubes/e.co/B2S/076 Dated: 20-07-20

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 06-08-20 Tested on: 07-08-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	(1 : 1.5 : 3)	13	7	2020	6x6x6	8.6	36	118	7350	Non Engraved
2	(1 : 1.5 : 3)	13	7	2020	6x6x6	8.6	36	98	6100	Non Engraved
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The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10390

To: **M. Qasim Farooq (Project Manager)** Dr. M. Yousaf
SIA Engineers & Contractors, Gujranwala
Project: B2S, Site ID IBN-057, Tower Foundations & ODU & DG Pad

Our Ref. No. CL/CED/ 574 Dated: 10-08-20

Your Ref. No. SIA/Cubes/e.co/B2S/077 Dated: 02-07-20

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 06-08-20 Tested on: 07-08-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	(1 : 1.5 : 3)	4	6	2020	6x6x6	8	36	101	6290	Non Engraved
2	(1 : 1.5 : 3)	4	6	2020	6x6x6	8	36	109	6790	Non Engraved
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Note: Above results pertain to the unsealed samples supplied to the laboratory
The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10390

To: **M. Qasim Farooq (Project Manager)** Dr. M. Yousaf
SIA Engineers & Contractors, Gujranwala
Project: B2S, Site ID FFD350, Tower Beams & Pad

Our Ref. No. CL/CED/ 575 Dated: 10-08-20

Your Ref. No. SIA/Cubes/e.co/B2S/078 Dated: 05-07-20

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 06-08-20 Tested on: 07-08-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	(1 : 1.5 : 3)	7	6	2020	6x6x6	8.4	36	109	6790	Non Engraved
2	(1 : 1.5 : 3)	7	6	2020	6x6x6	8.2	36	73	4550	Non Engraved
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supervisor(lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10397

To: **Engr. Arsalan Haider (Resident Engineer)** Dr. M. Yousaf
Mukhtar Sons Construction (Pvt.) Ltd.
Project: T-Sqaure Apartment Building Gulberg, Lahore

Our Ref. No. CL/CED/ 576 Dated: 10-08-20

Your Ref. No. Nil Dated: 10-08-20

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 10-08-20 Tested on: 10-08-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Basement Slab (4500 Psi)	30	7	2020	6Diax12	13.2	28.28	57	4520	Non Engraved
2	Basement Slab (4500 Psi)	30	7	2020	6Diax12	14.6	28.28	88	6970	Non Engraved
3	Basement Slab (4500 Psi)	30	7	2020	6Diax12	14	28.28	81	6420	Non Engraved
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http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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supervisor(lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10377

To: **Sub Divisional Officer** Dr. M. Yousaf
Buildings Sub Division No. 15, Lahore
Project: Construction of New Administration Block in the Premises of Lahore High Court Lahore

Our Ref. No. CL/CED/ 577 Dated: 10-08-20

Your Ref. No. 708 Dated: 27-07-20

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 29-07-20 Tested on: 07-08-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	K-2		8.8x4.3x3.0	3085	37.84	33	1960	
2	K-2		8.9x4.3x3.0	3213	38.27	40	2350	
3	K-2		9.0x4.3x3.0	3124	38.7	39	2260	
4	K-2		8.8x4.2x3.0	3161	36.96	43	2610	
5	K-2		8.8x4.3x3.0	3169	37.84	40	2370	
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supervisor(lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10205

To: **Sohail Zafar (Resident Engineer)** Dr.Mazhar Saleem
Fazaia Housing Scheme, Gujranwala
Project: Infrastructure development Works Phase-1 Sector B t Fazaia Housing Scheme Gujranwala

Our Ref. No. CL/CED/ 578-1 of 2 Dated: 10-08-20

Your Ref. No. FHSG/PMO/6015/5/5/DEV Dated: 18-06-20

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 19-06-20 Tested on: 28-07-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	MBC A		4.1x4.2x2.7	1440	17.22	15.5	2020	
2	MBC A		4.2x4.2x2.7	1402	17.64	15.5	1970	
3	MBC B		4.4x4.2x2.8	1506	18.48	19	2310	
4	MBC B		4.0x4.1x2.8	1404	16.4	16	2190	
5	MBC C		4.3x4.1x2.7	1503	17.63	15	1910	
6	MBC C		4.1x4.1x2.7	1419	16.81	14	1870	
7	MBC D		4.3x4.2x2.8	1450	18.06	9.5	1180	
8	MBC D		4.1x4.2x2.8	1351	17.22	15	1960	
9	MBC E		4.2x4.2x2.7	1447	17.64	15	1910	
10	MBC E		4.1x4.2x2.7	1403	17.22	15	1960	
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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supervisor(lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10205

To: **Sohail Zafar (Resident Engineer)** Dr.Mazhar Saleem
Fazaia Housing Scheme, Gujranwala
Project: Infrastructure development Works Phase-1 Sector B t Fazaia Housing Scheme Gujranwala

Our Ref. No. CL/CED/ 578-2 of 2 Dated: 10-08-20

Your Ref. No. FHSG/PMO/6015/5/5/DEV Dated: 18-06-20

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 19-06-20 Tested on: 28-07-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
11	72 A		4.4x4.2x2.8	1603	18.48	24	2910	
12	72 A		4.3x4.2x2.8	1570	18.06	25	3110	
13	72 B		4.3x4.2x2.8	1631	18.06	26	3230	
14	72 B		4.5x4.3x2.8	1638	19.35	30.5	3540	
15	72 C		4.5x4.3x2.8	1548	19.35	16	1860	
16	72 C		4.2x4.2x2.8	1521	17.64	15.5	1970	
17	72 D		4.4x4.2x2.8	1560	18.48	22	2670	
18	72 D		4.3x4.2x2.8	1531	18.06	23	2860	
19	72 E		4.4x4.2x2.7	1559	18.48	22	2670	
20	72 E		4.3x4.2x2.7	1538	18.06	22.5	2800	
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Note: Above results pertain to the unsealed samples supplied to the laboratory
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supervisor(lab) **Director/Dy. Director Concrete Laboratory**