Plain and Reinforced Concrete Laboratory
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4522
Engr. Ubaid

To: Mr. M. Tariq Shahzad
Executive Director-Projects, Lake City Developers.

Project: Nil

Our Ref. No. CL/CED/ 830 Dated: 06-01-23

Your Ref. No. LCRG/Con/014 Dated: 05-01-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-23 Tested on: 05-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	4000 Psi	21	11	2022	6Diax12	---	13	28.28	69	5465	---	Non Engraved
2	4000 Psi	21	11	2022	6Diax12	---	13.4	28.28	79	6257	---	Non Engraved
3	4000 Psi	21	11	2022	6Diax12	---	13	28.28	70	5545	---	Non Engraved
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Witnessed by: Mr. M. Umer, CNIC # 36502-4147923-1

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

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

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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4522
Engr. Ubaid

To: **Mr. M. Tariq Shahzad**
Executive Director-Projects, Lake City Developers.

Project: Nil

Our Ref. No. CL/CED/ 831 **Dated: 06-01-23** **Test Specification**

Your Ref. No. LCRG/Con/013 **Dated: 05-01-23** **(ASTM C39)**

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-23 Tested on: 05-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	4000 Psi	19	11	2022	6Diax12	---	13.4	28.28	73	5782	---	Non Engraved
2	4000 Psi	19	11	2022	6Diax12	---	13	28.28	66	5228	---	Non Engraved
3	4000 Psi	19	11	2022	6Diax12	---	14	28.28	57	4515	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. M. Umer, CNIC # 36502-4147923-1

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

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

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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4522
Engr. Ubaid

To: Mr. M. Tariq Shahzad
Executive Director-Projects, Lake City Developers.

Project: Nil

Our Ref. No. CL/CED/ 832 Dated: 06-01-23

Your Ref. No. LCRG/Con/015 Dated: 05-01-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-23 Tested on: 05-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	4000 Psi	22	11	2022	6Diax12	---	13	28.28	57	4515	---	Non Engraved
2	4000 Psi	22	11	2022	6Diax12	---	14	28.28	79	6257	---	Non Engraved
3	4000 Psi	22	11	2022	6Diax12	---	13	28.28	63	4990	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. M. Umer, CNIC # 36502-4147923-1

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

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

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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4522
Engr. Ubaid

To: **Mr. M. Tariq Shahzad**
Executive Director-Projects, Lake City Developers.

Project: Nil

Our Ref. No. CL/CED/ 833 **Dated: 06-01-23**

Your Ref. No. LCRG/Con/016 **Dated: 05-01-23**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-23 Tested on: 05-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	5000 Psi	19	11	2022	6Diax12	---	14.2	28.28	125	9901	---	Non Engraved
2	5000 Psi	19	11	2022	6Diax12	---	14.2	28.28	108	8554	---	Non Engraved
3	5000 Psi	19	11	2022	6Diax12	---	14.2	28.28	105	8317	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. M. Umer, CNIC # 36502-4147923-1

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

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

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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4523
Engr. Ubaid

To: **Mr. Ameen Firdous, Civil Engineer & Technologists**
Prime Builders & Developers, Block B1, Gulberg III, Lahore.

Project: B-45 Gulberg-III, Lahore.

Our Ref. No. CL/CED/ 834 **Dated: 06-01-23** **Test Specification**

Your Ref. No. PB/05/01/2023 **Dated: 05-01-23** **(ASTM C39)**

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-23 Tested on: 05-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Tank-TM-1 (8000 Psi)	8	12	2022	6Diax12	---	13.6	28.28	85	6733	---	Non Engraved
2	Tank-TM-2 (8000 Psi)	8	12	2022	6Diax12	---	13.6	28.28	84	6653	---	Non Engraved
3	Companion-TM-1 (8000 Psi)	8	12	2022	6Diax12	---	13.4	28.28	86	6812	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. M. Uzair, CNIC # 16102-6784638-9

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4508
Engr. Ubaid

To: **Mr. Wasim Imtiaz**
Project Manager, Takbeer Tower McLeod Road, Lahore.

Project: Nil

Our Ref. No. CL/CED/ 835 **Dated: 06-01-23** **Test Specification**

Your Ref. No. 02012023 **Dated: 02-01-23** **(ASTM C39)**

COMPRESSION TEST REPORT

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

Specimens received on: 02-01-23 Tested on: 05-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	---	22	12	2022	6Diax12	---	13.6	28.28	48	3802	---	Engraved
2	---	22	12	2022	6Diax12	---	13.2	28.28	50	3960	---	Engraved
3	---	22	12	2022	6Diax12	---	13.4	28.28	54	4277	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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ORIGINAL
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4519
Engr. Ubaid

To: Mr. Muhammad Irfan
Material Engineer, BANU MUKHTAR Contracting Pvt. Ltd.

Project: Burj-1 by AJWA Builders

Our Ref. No. CL/CED/ 836 Dated: 06-01-23

Your Ref. No. DOC-BMC/AJWA/042 Dated: 03-01-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 03-01-23 Tested on: 05-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	4000 Psi (B-2 Retaining wall)	1	12	2022	6Diax12	---	13.4	28.28	64	5069	---	Non Engraved
2	4000 Psi (B-2 Retaining wall)	1	12	2022	6Diax12	---	13	28.28	60	4752	---	Non Engraved
3	4000 Psi (B-2 Retaining wall)	1	12	2022	6Diax12	---	13.4	28.28	68	5386	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Note: Above results pertain to the unsealed samples supplied to the laboratory

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

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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4519
Engr. Ubaid

To: Mr. Muhammad Irfan
Material Engineer, BANU MUKHTAR Contracting Pvt. Ltd.

Project: Burj-1 by AJWA Builders

Our Ref. No. CL/CED/ 837 Dated: 06-01-23

Your Ref. No. DOC-BMC/AJWA/040 Dated: 03-01-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 03-01-23 Tested on: 05-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	6000 Psi (M/B B-3 Lift Well Wall 03)	29	11	2022	6Diax12	---	13.8	28.28	114	9030	---	Non Engraved
2	6000 Psi (M/B B-3 Lift Well Wall 03)	29	11	2022	6Diax12	---	14.2	28.28	90	7129	---	Non Engraved
3	6000 Psi (M/B B-3 Lift Well Wall 03)	29	11	2022	6Diax12	---	13.6	28.28	102	8079	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4519
Engr. Ubaid

To: Mr. Muhammad Irfan
Material Engineer, BANU MUKHTAR Contracting Pvt. Ltd.

Project: Burj-1 by AJWA Builders

Our Ref. No. CL/CED/ 838 Dated: 06-01-23

Your Ref. No. DOC-BMC/AJWA/041 Dated: 03-01-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 03-01-23 Tested on: 05-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	6000 Psi (B-2 Col. 04 Grids # C/3,4)	1	12	2022	6Diax12	---	14.2	28.28	96	7604	---	Non Engraved
2	6000 Psi (B-2 Col. 04 Grids # C/3,4)	1	12	2022	6Diax12	---	14	28.28	120	9505	---	Non Engraved
3	6000 Psi (B-2 Col. 04 Grids # C/3,4)	1	12	2022	6Diax12	---	13.8	28.28	90	7129	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4501
Dr. M. Yousaf

To: Mr. Muhammad Farooq
Bridgeway Developers Pvt Ltd

Project: Pearl One Residencies by Bridgeway Developers 26 Block-C M.M. Alam Road Gulberg-III Lahore.

Our Ref. No. CL/CED/ 839 **Dated:** 06-01-23 **Test Specification**

Your Ref. No. Nil **Dated:** Nil **(ASTM C39)**

COMPRESSION TEST REPORT

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

Specimens received on: 30/12/2023 **Tested on:** 06-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Slab Concrete (4000 Psi)	11	11	2022	6Diax12	---	13	28.28	30	2376	---	Non Engraved
2	Slab Concrete (4000 Psi)	11	11	2022	6Diax12	---	13	28.28	30	2376	---	Non Engraved
3	Slab Concrete (4000 Psi)	11	11	2022	6Diax12	---	13	28.28	30	2376	---	Non Engraved
4	Slab Concrete (4000 Psi)	18	11	2022	6Diax12	---	14	28.28	36	2851	---	Non Engraved
5	Slab Concrete (4000 Psi)	18	11	2022	6Diax12	---	13.2	28.28	39	3089	---	Non Engraved
6	Slab Concrete (4000 Psi)	18	11	2022	6Diax12	---	13.2	28.28	36	2851	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4501
Dr. M. Yousaf

To: Mr. Muhammad Farooq
Bridgeway Developers Pvt Ltd

Project: Pearl One Residencies by Bridgeway Developers 26 Block-C M.M. Alam Road Gulberg-III Lahore.

Our Ref. No. CL/CED/ 840 **Dated:** 06-01-23 **Test Specification**

Your Ref. No. Nil **Dated:** Nil (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 30/12/2023 **Tested on:** 06-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Col. Concrete (6000 Psi)	23	12	2022	6Diax12	---	13.4	28.28	36	2851	---	Non Engraved
2	Col. Concrete (6000 Psi)	23	12	2022	6Diax12	---	13.4	28.28	39	3089	---	Non Engraved
3	Col. Concrete (6000 Psi)	23	12	2022	6Diax12	---	13.4	28.28	39	3089	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4510
Dr. M. Yousaf

To: Mr. Mohsin Nawaz
Site Supervisor, Pakistan Rangers (Punjab)

Project: Construction of OPD Block- HQ Pakistan Rangers (Punjab)

Our Ref. No. CL/CED/ 841 **Dated:** 06-01-23

Your Ref. No. 2231/Works/2102 **Dated:** 06-12-22

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 02-01-23 **Tested on:** 06-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Plinth Beam (RCC Slab)	5	12	2022	6Diax12	---	14.4	28.28	24	1901	---	Engraved
2	Plinth Beam (RCC Slab)	5	12	2022	6Diax12	---	14.2	28.28	25	1980	---	Engraved
3	Plinth Beam (RCC Slab)	5	12	2022	6Diax12	---	14.4	28.28	25	1980	---	Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4515
Dr. M. Yousaf

To: Engr. Bilal Yaqoob Virk (Assitant Executive Engineer-II)
CCD, Pak. PWD. Gujranwala

Project: Enhancement & Expansion of Building Infrastructure of NHMP Training College Sheikhupura, Phase-II (SH:Establishment of Library, Lab, E-Ticketing etc.)

Our Ref. No. CL/CED/ 842 Dated: 06-01-23 Test Specification

Your Ref. No. AEE-II/CCD/GA/Work/NHMP/P-II/Lab/73 Dated: 13/9/2022 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 03-01-23 Tested on: 06-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Raft & Strip Foundation	18	7	2022	6Diax12	---	12.8	28.28	40	3168	---	Non Engraved
2	Raft & Strip Foundation	18	7	2022	6Diax12	---	14	28.28	38	3010	---	Non Engraved
3	Raft & Strip Foundation	19	7	2022	6Diax12	---	13	28.28	40	3168	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4515
Dr. M. Yousaf

To: Engr. Bilal Yaqoob Virk (Assitant Executive Engineer-II)
CCD, Pak. PWD. Gujranwala

Project: Enhancement & Expansion of Building Infrastructure of NHMP Training College Sheikhupura, Phase-II (SH:Establishment of Library & Lab etc.)

Our Ref. No. CL/CED/ 843 Dated: 06-01-23 Test Specification

Your Ref. No. AEE-II/CCD/GA/Work/NHMP/P-II/Lab/90 Dated: 11-11-22 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 03-01-23 Tested on: 06-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Ground Floor Conc. Columns	5	10	2022	6Diax12	---	13	28.28	41	3248	---	Non Engraved
2	Ground Floor Conc. Columns	6	10	2022	6Diax12	---	13	28.28	43	3406	---	Non Engraved
3	Ground Floor Conc. Columns	11	10	2022	6Diax12	---	12.4	28.28	36	2851	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
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4515
Dr. M. Yousaf

To: Engr. Bilal Yaqoob Virk (Assitant Executive Engineer-II)
CCD, Pak. PWD. Gujranwala

Project: Enhancement & Expansion of Building Infrastructure of NHMP Training College Sheikhupura, Phase-II (SH:Establishment of Library & Lab etc.)

Our Ref. No. CL/CED/ 844 Dated: 06-01-23 Test Specification

Your Ref. No. AEE-II/CCD/GA/Work/NHMP/P-II/Lab/94 Dated: 22/12/2022 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 03-01-23 Tested on: 06-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Ground Floor Beam & Slab	21	11	2022	6Diax12	---	13	28.28	54	4277	---	Non Engraved
2	Ground Floor Beam & Slab	21	11	2022	6Diax12	---	13.6	28.28	67	5307	---	Non Engraved
3	Ground Floor Beam & Slab	21	11	2022	6Diax12	---	12.2	28.28	34	2693	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4515
Dr. M. Yousaf

To: Engr. Bilal Yaqoob Virk (Assitant Executive Engineer-II)
CCD, Pak. PWD. Gujranwala

Project: Enhancement & Expansion of Building Infrastructure of NHMP Training College Sheikhupura, Phase-II (SH:Establishment of Library & Lab etc.)

Our Ref. No. CL/CED/ 845 Dated: 06-01-23 Test Specification

Your Ref. No. AEE-II/CCD/GA/Work/NHMP/P-II/Lab/95 Dated: 29-12-22 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 03-01-23 Tested on: 06-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	First Floor Column	30	11	2022	6Diax12	---	12.6	28.28	35	2772	---	Non Engraved
2	First Floor Column	30	11	2022	6Diax12	---	12.4	28.28	36	2851	---	Non Engraved
3	First Floor Column	1	12	2022	6Diax12	---	13	28.28	45	3564	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4524
Dr. M. Yousaf

To: CW Manager
ARCON, Office # 703, 7th Floor, Khudadad Heights, E-11, Islamabad

Project: Nil

Our Ref. No. CL/CED/ 846 **Dated:** 06-01-23

Your Ref. No. Nil **Dated:** Nil

Test Specification (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 01-05-23 **Tested on:** 01-06-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	N-3033 (1:1.5:3 & 1:4:8)	16	12	2022	6x6x6	---	8	36	55	3422	---	Non Engraved
2	N-3033 (1:1.5:3 & 1:4:8)	16	12	2022	6x6x6	---	8	36	62	3858	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4524
Dr. M. Yousaf

To: CW Manager
ARCON, Office # 703, 7th Floor, Khudadad Heights, E-11, Islamabad

Project: Nil

Our Ref. No. CL/CED/ 847 **Dated:** 06-01-23

Your Ref. No. Nil **Dated:** Nil

Test Specification (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-23 **Tested on:** 06-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	N-5653 (1:1.5:3 & 1:2:4)	19	12	2022	6x6x6	---	8	36	46	2862	---	Non Engraved
2	N-5653 (1:1.5:3 & 1:2:4)	19	12	2022	6x6x6	---	8	36	60	3733	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
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4524
Dr. M. Yousaf

To: CW Manager
ARCON, Office # 703, 7th Floor, Khudadad Heights, E-11, Islamabad

Project: Nil

Our Ref. No. CL/CED/ 848 **Dated:** 06-01-23

Your Ref. No. Nil **Dated:** Nil

Test Specification (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-23 **Tested on:** 06-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	N-5852 (1:1.5:3 & 1:4:8)	14	12	2022	6x6x6	---	8.2	36	75	4667	---	Non Engraved
2	N-5852 (1:1.5:3 & 1:4:8)	14	12	2022	6x6x6	---	8.4	36	78	4853	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4524
Dr. M. Yousaf

To: CW Manager
ARCON, Office # 703, 7th Floor, Khudadad Heights, E-11, Islamabad

Project: Nil

Our Ref. No. CL/CED/ 849 **Dated:** 06-01-23

Your Ref. No. Nil **Dated:** Nil

Test Specification (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-23 **Tested on:** 06-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	N-5822 (1:1.5:3 & 1:4:8)	12	12	2022	6x6x6	---	8.2	36	84	5227	---	Non Engraved
2	N-5822 (1:1.5:3 & 1:4:8)	12	12	2022	6x6x6	---	8.2	36	70	4356	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

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

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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
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4524
Dr. M. Yousaf

To: CW Manager
ARCON, Office # 703, 7th Floor, Khudadad Heights, E-11, Islamabad

Project: Nil

Our Ref. No. CL/CED/ 850 **Dated:** 06-01-23

Your Ref. No. Nil **Dated:** Nil

Test Specification (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-23 **Tested on:** 06-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	N-53511 (1:1.5:3 & 1:4:8)	27	12	2022	6x6x6	---	8.4	36	73	4542	---	Non Engraved
2	N-53511 (1:1.5:3 & 1:4:8)	27	12	2022	6x6x6	---	8	36	65	4044	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
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4524
Dr. M. Yousaf

To: CW Manager
ARCON, Office # 703, 7th Floor, Khudadad Heights, E-11, Islamabad

Project: Nil

Our Ref. No. CL/CED/ 851 **Dated:** 06-01-23

Your Ref. No. Nil **Dated:** Nil

Test Specification (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-23 **Tested on:** 06-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	N-53238 (1:1.5:3 & 1:4:8)	25	1	2022	6x6x6	---	8.2	36	89	5538	---	Non Engraved
2	N-53238 (1:1.5:3 & 1:4:8)	25	1	2022	6x6x6	---	8	36	69	4293	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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ORIGINAL
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4524
Dr. M. Yousaf

To: CW Manager
ARCON, Office # 703, 7th Floor, Khudadad Heights, E-11, Islamabad

Project: Nil

Our Ref. No. CL/CED/ 852 **Dated:** 06-01-23

Your Ref. No. Nil **Dated:** Nil

Test Specification (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-23 **Tested on:** 06-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Site-5 (1:1.5:3 & 1:4:8)	12	11	2021	6x6x6	---	8.2	36	70	4356	---	Non Engraved
2	Site-5 (1:1.5:3 & 1:4:8)	12	11	2021	6x6x6	---	8	36	79	4916	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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4524
Dr. M. Yousaf

To: CW Manager
ARCON, Office # 703, 7th Floor, Khudadad Heights, E-11, Islamabad

Project: Nil

Our Ref. No. CL/CED/ 853 **Dated:** 06-01-23

Your Ref. No. Nil **Dated:** Nil

Test Specification (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-23 **Tested on:** 06-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Site-9 (1:1.5:3 & 1:4:8)	17	11	2021	6x6x6	---	8	36	66	4107	---	Non Engraved
2	Site-9 (1:1.5:3 & 1:4:8)	17	11	2021	6x6x6	---	8.2	36	76	4729	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4517
Engr. Ubaid

To: Mr. Muhammad Imran Khan
Material Engineer ECSP, MPA Hostel, Phase-II. (M/s Iftikhar & Co.)

Project: Engineering Consultancy Services for Construction of MPA's Hostel Lahore, Phase-II (6th Floor Slab-Group No. 1)

Our Ref. No. CL/CED/ 854 Dated: 06-01-23 Test Specification

Your Ref. No. 340/ECSP/MPA/ME/59 Dated: 30/12/2022 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 03-01-23 Tested on: 05-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	6th Floor Slab (Ratio 1:2:4)	2	12	2022	6x6x6	---	9	36	50	3111	---	Engraved
2	6th Floor Slab (Ratio 1:2:4)	2	12	2022	6x6x6	---	8.8	36	56	3484	---	Engraved
3	6th Floor Slab (Ratio 1:2:4)	2	12	2022	6x6x6	---	8.8	36	63	3920	---	Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4517
Engr. Ubaid

To: Mr. Muhammad Imran Khan
Material Engineer ECSP, MPA Hostel, Phase-II. (M/s Iftikhar & Co.)

Project: Engineering Consultancy Services for Construction of MPA's Hostel Lahore, Phase-II (6th Floor Columns- Group No. 1)

Our Ref. No. CL/CED/ 855 Dated: 06-01-23

Your Ref. No. 340/ECSP/MPA/ME/61 Dated: 05-01-23

Test Specification
(BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 03-01-23 Tested on: 05-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	6th Floor Columns (Ratio 1:1.5:3)	8	12	2022	6x6x6	---	8.6	36	61	3796	---	Engraved
2	6th Floor Columns (Ratio 1:1.5:3)	8	12	2022	6x6x6	---	8.9	36	50	3111	---	Engraved
3	6th Floor Columns (Ratio 1:1.5:3)	8	12	2022	6x6x6	---	9	36	61	3796	---	Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4518
Engr. Ubaid

To: Engr. Khalid Sattar
Resident Engineer, DHQ Hospital, Hafizabad

Project: Consultancy Service Resident Supervision for the Project Titled "Upgradation of D.H.Q Hospital Hafizabad (Group No. 1) ADP No: 768 For the Year 2021-2022"

Our Ref. No. CL/CED/ 856 Dated: 06-01-23 **Test Specification**

Your Ref. No. MCE/DHQ/Hafizabad/22/09 Dated: 28/12/2022 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 03-01-23 **Tested on:** 06-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	RCC Roof (1:2:4)	17	11	2022	6x6x6	---	9	36	75	4667	---	Non Engraved
2	RCC Roof (1:2:4)	17	11	2022	6x6x6	---	9	36	81	5040	---	Non Engraved
3	RCC Roof (1:2:4)	17	11	2022	6x6x6	---	8.8	36	80	4978	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4514
Engr. Ubaid

To: Prof. Dr. Engr. Abdullah Yasar
Campus Engineer, GC University, Lahore

Project: Construction of New Girls Hostel at Main Campus GC University, Lahore, Engineering Cell

Our Ref. No. CL/CED/ 857 **Dated:** 06-01-23

Your Ref. No. GCU/Engr/004/A **Dated:** 28/12/2022

Test Specification
(BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 03-01-23 **Tested on:** 05-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Raft Foundation Grid A-D (7 to 11)	15	11	2022	6x6x6	---	8.6	36	71	4418	---	Non Engraved
2	Raft Foundation Grid A-D (7 to 11)	15	11	2022	6x6x6	---	8.6	36	64	3982	---	Non Engraved
3	Raft Foundation Grid A-D (7 to 11)	15	11	2022	6x6x6	---	8.6	36	67	4169	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4494
Engr. Ubaid

To: **Prof. Dr. Engr. Abdullah Yasar**
Campus Engineer, GC University, Lahore, Engineering Cell

Project: Construction for New Girls Hostel and Servant Quarter at Main Campus GCU Lahore

Our Ref. No. CL/CED/ 858 **Dated: 06-01-23** **Test Specification**

Your Ref. No. GCU/Engr/004/A **Dated: 28/12/2022** **(----)**

COMPRESSION TEST REPORT

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

Specimens received on: 29/12/2022 **Tested on:** 05-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	S	---	---	---	8.8 x 4.3 x 2.7	---	2945	37.84	45	2664	---	---
2	S	---	---	---	8.7 x 4.3 x 2.9	---	3135	37.41	37	2215	---	---
3	S	---	---	---	8.7 x 4.3 x 2.8	---	2920	37.41	37	2215	---	---
4	S	---	---	---	8.7 x 4.3 x 2.9	---	3130	37.41	38	2275	---	---
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

Plain and Reinforced Concrete Laboratory
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4460
Engr. Ubaid

To: Sub Divisional Officer
Building Sub Division, Kot Radha Kishan

Project: Construction of Judicial Complex Kot Radha Kishan District Kasur. ADP No. 5818 (2021-22)

Our Ref. No. CL/CED/ 859 **Dated:** 06-01-23

Your Ref. No. 70/KRK **Dated:** 23/11/2022

Test Specification
(BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 22/12/2022 **Tested on:** 05-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	IBS	---	---	---	8.8 x 4.3 x 2.9	---	3290	37.84	37	2190	---	---
2	IBS	---	---	---	8.8 x 4.3 x 3	---	3370	37.84	38	2249	---	---
3	IBS	---	---	---	8.8 x 4.3 x 3	---	3440	37.84	37	2190	---	---
4	IBS	---	---	---	8.8 x 4.2 x 3	---	3340	36.96	34	2061	---	---
5	IBS	---	---	---	8.8 x 4.3 x 3	---	3470	37.84	35	2072	---	---
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4460
Engr. Ubaid

To: Sub Divisional Officer
Building Sub Division, Kot Radha Kishan

Project: Construction of Building of Government Special Education Centre, Kot Radha Kishan District Kasur.
ADP No. 448 (2021-22)

Our Ref. No. CL/CED/ 860 Dated: 06-01-23 **Test Specification**

Your Ref. No. 71/KRK Dated: 23/11/2022 (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 22/12/2022 **Tested on:** 05-01-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	IBS	---	---	---	8.8 x 4.3 x 3	---	3470	37.84	35	2072	---	---
2	IBS	---	---	---	8.8 x 4.2 x 3	---	3595	36.96	36	2182	---	---
3	IBS	---	---	---	8.8 x 4.3 x 3	---	3440	37.84	34	2013	---	---
4	IBS	---	---	---	8.9 x 4.3 x 3.1	---	3450	38.27	36	2107	---	---
5	IBS	---	---	---	8.8 x 4.3 x 3.1	---	3575	37.84	35	2072	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

4506
Engr. Ubaid

To: M. Waqas Anwar
Resident Engineer, NESPAK (PVT) Limited

Project: Improvement of Lahore-Jaranwala Road from Saggian Bypass to Begum Kot, Lahore. (Contractor: M/S Zoraiz Engineers Pvt. Ltd.)

Our Ref. No. CL/CED/ 861 Dated: 06-01-23 Test Specification

Your Ref. No. 3772/SB-BK/103/MWA/04/23 Dated: 26/11/2022 (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 30/12/2022 Tested on: 05-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	RB	---	---	---	8.8 x 4.3 x 3	3745	3335	37.84	40	2368	12.29	---
2	RB	---	---	---	8.9 x 4.4 x 3	3875	3410	39.16	36	2059	13.64	---
3	RB	---	---	---	8.7 x 4.3 x 3.1	3855	3430	37.41	42	2515	12.39	---
4	RB	---	---	---	8.8 x 4.3 x 3	3850	3345	37.84	30	1776	15.1	---
5	RB	---	---	---	8.9 x 4.3 x 3	3805	3335	38.27	37	2166	14.09	---
6	RB	---	---	---	8.8 x 4.2 x 3	3705	3340	36.96	37	2242	10.93	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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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**

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University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
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4513
Dr. M. Yousaf

To: Director Projects
Innovative ® Construction Company

Project: Construction of Office & WareHouse Building for NBS, Plot # 131-1B, Quaid-e-Azam Industrial Estate, Kot Lakhpat, Lahore

Our Ref. No. CL/CED/ 862 Dated: 06-01-23 Test Specification

Your Ref. No. CT/NBS/0123/10 Dated: 03-01-23 (----)

COMPRESSION TEST REPORT

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

Specimens received on: 03-01-23 Tested on: 06-01-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Rectangular, Grey, 50 mm	---	---	---	7.8 x 3.8 x 2	---	2245	29.64	45	3401	---	---
2	Rectangular, Grey, 50 mm	---	---	---	7.8 x 3.8 x 2	---	2315	29.64	65	4912	---	---
3	Rectangular, Grey, 50 mm	---	---	---	7.8 x 3.8 x 2	---	2170	29.64	62	4686	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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