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.

6356
Dr. Umbreen

To: Sub Divisional Officer
Public Health Engineering Sub Division, Depalpur.

Project: Exten. Imp. Comp. Repair, Renov. of Sewerage & Water Supply System Alongwith Provision of Storm Water Channels Street Lights & Tuff Tiles etc. in Hujra Shaha Muqeem Tehsil Depalpur Distt. Okara.

Our Ref. No. CL/CED/ 3683 Dated: 08-12-23 Test Specification

Your Ref. No. 823/D Dated: 06-12-23 (----)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 08-12-23 Tested on: 08-12-23 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	Uni-Block, Grey, 80mm	---	---	---	3.1 thick	---	4370	37.44	74	4427	---	---
2	Uni-Block, Grey, 80mm	---	---	---	3.1 thick	---	4465	37.44	79	4726	---	---
3	Uni-Block, Grey, 60mm	---	---	---	2.4 thick	---	3595	37.44	125	7479	---	---
4	Uni-Block, Grey, 60mm	---	---	---	2.4 thick	---	3425	37.44	102	6103	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Khubaib Irshad, CNIC # 31103-2834895-1

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

6339
Dr. Umbreen

To: Engr's. Abdul Waheed
Project Engineer, OZ Developers (Pvt.) Ltd.

Project: Construction of High Rise Building "Bahria Sky" at Bahria Orchard Phase 4 Lahore

Our Ref. No. CL/CED/ 3684 **Dated: 08-12-23**

Your Ref. No. Nil **Dated: 06-12-23**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 6/12/2023 **Tested on:** 08-12-23 **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	---	30	10	2023	6Diax12	---	15	28.28	85	6733	---	Non Engraved
2	---	30	10	2023	6Diax12	---	14.4	28.28	87	6891	---	Non Engraved
3	---	31	10	2023	6Diax12	---	14	28.28	54	4277	---	Non Engraved
4	---	31	10	2023	6Diax12	---	14	28.28	72	5703	---	Non Engraved
5	---	1	11	2023	6Diax12	---	14	28.28	73	5782	---	Non Engraved
6	---	1	11	2023	6Diax12	---	14	28.28	74	5861	---	Non Engraved
7		---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Engr. Abdul Waheed and Mr. Mudassir Mehboob

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

6354
Dr. Umbreen

To: Mr. Waqas Ali
VARIANT 25-t gulberg 2, Lahore

Project: Strong Ready Mix (Trial Mix- 7000 Psi)

Our Ref. No. CL/CED/ 3685 **Dated: 08-12-23** **Test Specification**

Your Ref. No. VA/29/128 **Dated: 07-12-23** **(ASTM C39)**

COMPRESSION TEST REPORT

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

Specimens received on: 7/12/2023 **Tested on:** 08-12-23 **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	7000 Psi	28	11	2023	6Diax12	---	14	28.28	77	6099	---	Non Engraved
2	7000 Psi	28	11	2023	6Diax12	---	14.8	28.28	84	6653	---	Non Engraved
3	7000 Psi	28	11	2023	6Diax12	---	14	28.28	79	6257	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. M. Babar

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.

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ORIGINAL
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6349
Dr. Umbreen

To: Mr. Waqas Ali
VARIANT 25-t gulberg 2, Lahore

Project: 5th Floor Lift Wall

Our Ref. No. CL/CED/ 3686 Dated: 08-12-23

Your Ref. No. VA/29/126 Dated: 06-12-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 7/12/2023 Tested on: 08-12-23 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	Grid Location (D to E, 2 to 3)	1	11	2023	6Diax12	---	15	28.28	85	6733	---	Non Engraved
2	Grid Location (D to E, 2 to 3)	1	11	2023	6Diax12	---	14.4	28.28	68	5386	---	Non Engraved
3	Grid Location (D to E, 2 to 3)	1	11	2023	6Diax12	---	14.2	28.28	79	6257	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. M. Babar

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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ORIGINAL
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6330
Dr. Umbreen

To: Project Manager
Baig Construction Co. Engineers & Contractors

Project: Construction of Chohan Hospital Jail Road, Lahore

Our Ref. No. CL/CED/ 3687 Dated: 08-12-23

Your Ref. No. BCC/UET/20231204 Dated: 04-12-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 5/12/2023 Tested on: 08-12-23 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	1st Floor Col (4500 Psi)	24	8	2023	6Diax12	---	15	28.28	74	5861	---	Non Engraved
2	1st Floor Col (4500 Psi)	24	8	2023	6Diax12	---	14	28.28	68	5386	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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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6330
Dr. Umbreen

To: Project Manager
Baig Construction Co. Engineers & Contractors

Project: Construction of Chohan Hospital Jail Road, Lahore

Our Ref. No. CL/CED/ 3688 Dated: 08-12-23 **Test Specification**

Your Ref. No. BCC/UET/20231204 Dated: 04-12-23 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 5/12/2023 **Tested on:** 08-12-23 **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	1st Floor Col (4500 Psi)	29	8	2023	6Diax12	---	14	28.28	60	4752	---	Non Engraved
2	1st Floor Col (4500 Psi)	29	8	2023	6Diax12	---	13	28.28	53	4198	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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

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6330
Dr. Umbreen

To: Project Manager
Baig Construction Co. Engineers & Contractors

Project: Construction of Chohan Hospital Jail Road, Lahore

Our Ref. No. CL/CED/ 3689 Dated: 08-12-23

Your Ref. No. BCC/UET/20231204 Dated: 04-12-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 5/12/2023 Tested on: 08-12-23 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	1st Floor Col (4500 Psi)	27	8	2023	6Diax12	---	14	28.28	64	5069	---	Non Engraved
2	1st Floor Col (4500 Psi)	27	8	2023	6Diax12	---	13.8	28.28	77	6099	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

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

6330
Dr. Umbreen

To: Project Manager
Baig Construction Co. Engineers & Contractors

Project: Construction of Chohan Hospital Jail Road, Lahore

Our Ref. No. CL/CED/ 3690 Dated: 08-12-23

Your Ref. No. BCC/UET/20231204 Dated: 04-12-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 5/12/2023 **Tested on:** 08-12-23 **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	1st Floor Col (4500 Psi)	18	9	2023	6Diax12	---	14	28.28	68	5386	---	Non Engraved
2	1st Floor Col (4500 Psi)	18	9	2023	6Diax12	---	15.2	28.28	77	6099	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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.

6346
Dr. Umbreen

To: **Engr. M. Abrar Ahmad**
M.Sc. Structural Engineer, Abrar Ahmad Associates

Project: Construction of 49-Ghaznavi Comm. Bahria Town, Lahore.

Our Ref. No. CL/CED/ 3691 **Dated: 08-12-23** **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: 7/12/2023 **Tested on:** 08-12-23 **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	Cylinder	1	12	2023	6Diax12	---	13.2	28.28	20	1584	---	Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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.

6351
Dr. Umbreen

To: (Brig. Saeed Ahmed Malik) SI (M), (R)
Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd.

Project: Repair / Maintenance of PCC Street Siddique Colony Khokhar Road Badami Bagh Ravi Zone Lahore (MCL Projects)

Our Ref. No. CL/CED/ 3692 Dated: 08-12-23 **Test Specification**

Your Ref. No. 4084/103/BSAM/104/1009 Dated: 05-12-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 7/12/2023 **Tested on:** 08-12-23 **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	---	9	6	2023	6x6x6	---	8.8	36	64	3982	---	Non Engraved
2	---	9	6	2023	6x6x6	---	8.4	36	68	4231	---	Non Engraved
3	---	9	6	2023	6x6x6	---	8.8	36	68	4231	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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.

6355
Dr. Umbreen

To: Mr. Muhammad Armughan Khan
Deputy Director (QCD), WASA, LDA, Lahore.

Project: Testing of Conc. Cubes of 6"x6"x6" Nominal Size against Tender No. XEN (O&M-I) N.T/2023- 24/22 - Providing / Fixing of R.C.C. Manhole Cover including Missing Frame in NA-131, Lahore (M/s WABRICKS)

Our Ref. No. CL/CED/ 3693 Dated: 08-12-23 **Test Specification**

Your Ref. No. No. QCD/ 1952-53 Dated: 06-12-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 7/12/2023 **Tested on:** 08-12-23 **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	---	16	10	2023	6x6x6	---	8.6	36	56	3484	---	Engraved
2	---	16	10	2023	6x6x6	---	8.6	36	56	3484	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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
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ORIGINAL
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6355
Dr. Umbreen

To: Mr. Muhammad Armughan Khan
Deputy Director (QCD), WASA, LDA, Lahore.

Project: Testing of Conc. Cubes of 6"x6"x6" Nominal Size against Tender No. XEN (O&M-I) N.T/2023- 24/22 - Providing / Fixing of R.C.C. Manhole Cover including Missing Frame in NA-131, Lahore (M/s WABRICKS)

Our Ref. No. CL/CED/ 3694 Dated: 08-12-23 **Test Specification**

Your Ref. No. No. QCD/ 1950-51 Dated: 06-12-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 7/12/2023 **Tested on:** 08-12-23 **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	---	18	10	2023	6x6x6	---	8.6	36	62	3858	---	Engraved
2	---	18	10	2023	6x6x6	---	8.8	36	68	4231	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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
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6355
Dr. Umbreen

To: Mr. Muhammad Armughan Khan
Deputy Director (QCD), WASA, LDA, Lahore

Project: Testing of Conc. Cubes of 6"x6"x6" Nominal Size against Tender No. XEN (O&M-I) N.T/2023- 24/22 - Providing / Fixing of R.C.C. Manhole Cover including Missing Frame in NA-131, Lahore (M/s WABRICKS)

Our Ref. No. CL/CED/ 3695 Dated: 08-12-23 **Test Specification**

Your Ref. No. No. QCD/ 1948-49 Dated: 06-12-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 7/12/2023 **Tested on:** 08-12-23 **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	---	20	10	2023	6x6x6	---	9	36	64	3982	---	Engraved
2	---	20	10	2023	6x6x6	---	8.6	36	54	3360	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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
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University of Engineering and Technology, Lahore. Pakistan
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6355
Dr. Umbreen

To: Mr. Muhammad Armughan Khan
Deputy Director (QCD), WASA, LDA, Lahore.

Project: Testing of Conc. Cubes of 6"x6"x6" Nominal Size against Tender No. XEN (O&M-I) N.T/2023- 24/22 - Providing / Fixing of R.C.C. Manhole Cover including Missing Frame in NA-131, Lahore (M/s WABRICKS)

Our Ref. No. CL/CED/ 3696 Dated: 08-12-23 **Test Specification**

Your Ref. No. No. QCD/ 1946-47 Dated: 06-12-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 7/12/2023 **Tested on:** 08-12-23 **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	---	25	10	2023	6x6x6	---	8.6	36	60	3733	---	Engraved
2	---	25	10	2023	6x6x6	---	8.6	36	58	3609	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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**

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Dr. Umbreen

To: Mr. Muhammad Armughan Khan
Deputy Director (QCD), WASA, LDA, Lahore.

Project: Testing of Conc. Cubes of 6"x6"x6" Nominal Size against Tender No. XEN (O&M-I) N.T/2023- 24/22 - Providing / Fixing of R.C.C. Manhole Cover including Missing Frame in NA-131, Lahore (M/s WABRICKS)

Our Ref. No. CL/CED/ 3696 Dated: 08-12-23 **Test Specification**

Your Ref. No. No. QCD/ 1943-44 Dated: 06-12-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 7/12/2023 **Tested on:** 08-12-23 **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	---	1	11	2023	6x6x6	---	9	36	64	3982	---	Engraved
2	---	1	11	2023	6x6x6	---	8.8	36	72	4480	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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 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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6355
Dr. Umbreen

To: Mr. Muhammad Armughan Khan
Deputy Director (QCD), WASA, LDA, Lahore.

Project: Testing of Conc. Cubes of 6"x6"x6" Nominal Size against Tender No. XEN (O&M-I) N.T/2023- 24/22 - Providing / Fixing of R.C.C. Manhole Cover including Missing Frame in NA-131, Lahore (M/s WABRICKS)

Our Ref. No. CL/CED/ 3698 Dated: 08-12-23 **Test Specification**

Your Ref. No. No. QCD/ 1941-42 Dated: 06-12-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 7/12/2023 **Tested on:** 08-12-23 **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	---	7	11	2023	6x6x6	---	8.8	36	52	3236	---	Engraved
2	---	7	11	2023	6x6x6	---	9	36	51	3173	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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 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.

6342
Dr. Umbreen

To: Mr. Babar Ali
Construction Manager, Guarantee Engineers (Pvt.) Ltd.

Project: Construction of Kasim Kasuri Residence 49 Tufail Road Cantt Lahore.

Our Ref. No. CL/CED/ 3699 Dated: 08-12-23 **Test Specification**

Your Ref. No. KKH/GE/CS/004 Dated: 06-12-23 (----)

COMPRESSION TEST REPORT

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

Specimens received on: 06-12-23 **Tested on:** 08-12-23 **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	Solid Block	---	---	---	11.9 x 5.9 x 8	---	21	70.21	72	2297	---	---
2	Solid Block	---	---	---	11.9 x 6 x 8	---	22	71.4	56	1757	---	---
3	Solid Block	---	---	---	11.9 x 5.9 x 8	---	20.6	70.21	66	2106	---	---
4	Solid Block	---	---	---	11.9 x 7.9 x 8	---	29	94.01	84	2001	---	---
5	Solid Block	---	---	---	11.9 x 7.9 x 8	---	28	94.01	74	1763	---	---
6	Solid Block	---	---	---	11.8 x 7.9 x 8	---	28.6	93.22	78	1874	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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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.

6345
Dr. Umbreen

To: Lt Colonel M. Asif (R)
Site Administrator, Bismillah Developers, BHS-2

Project: Nil

Our Ref. No. CL/CED/ 3700 **Dated:** 08-12-23 **Test Specification**

Your Ref. No. Nil **Dated:** 06-12-23 (----)

COMPRESSION TEST REPORT

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

Specimens received on: 07-12-23 **Tested on:** 08-12-23 **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, 60mm	---	---	---	7.8 x 3.9 x 2.3	---	2750	30.42	52	3829	---	---
2	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.3	---	2760	30.42	80	5891	---	---
3	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.3	---	2770	30.42	64	4713	---	---
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 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
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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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

6345
Dr. Umbreen

To: Lt Colonel M. Asif (R)
Site Administrator, Bismillah Developers, BHS-2

Project: Nil

Our Ref. No. CL/CED/ 3701 **Dated:** 08-12-23 **Test Specification**

Your Ref. No. Nil **Dated:** 06-12-23 (----)

COMPRESSION TEST REPORT

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

Specimens received on: 07-12-23 **Tested on:** 08-12-23 **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, Red, 60mm	---	---	---	7.8 x 3.9 x 2.3	---	2660	30.42	77	5670	---	---
2	Rectangular, Red, 60mm	---	---	---	7.8 x 3.9 x 2.3	---	2750	30.42	129	9499	---	---
3	Rectangular, Red, 60mm	---	---	---	7.8 x 3.9 x 2.3	---	2620	30.42	87	6406	---	---
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 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.

6332
Dr. Umbreen

To: Mr. Atique Ahmed
Resident Engineer, Construction Management Division, NESPAK (Pvt) Ltd.

Project: Remodeling and Upgradation of ADA NULLAH & WALTON Road (Package-II) Construction of Flyover at Ghora Chowk, Lahore. (Contractor: M/s NLC Engineers)

Our Ref. No. CL/CED/ 3702 Dated: 08-12-23 Test Specification

Your Ref. No. 4322/13/CAA/09/128 Dated: 04-12-23 (----)

COMPRESSION TEST REPORT

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

Specimens received on: 05-12-23 Tested on: 08-12-23 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, Red, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2850	30.42	117	8615	---	---
2	Rectangular, Red, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2700	30.42	87	6406	---	---
3	Rectangular, Red, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2780	30.42	116	8542	---	---
4	Rectangular, Red, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2790	30.42	125	9204	---	---
5	Rectangular, Red, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2785	30.42	109	8026	---	---
6	Rectangular, Red, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2855	30.42	95	6995	---	---
7	Rectangular, Red, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2790	30.42	107	7879	---	---
8	Rectangular, Red, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2835	30.42	115	8468	---	---
9	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2780	30.42	117	8615	---	---
10	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2775	30.42	115	8468	---	---
11	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2780	30.42	107	7879	---	---
12	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2795	30.42	119	8763	---	---
13	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2850	30.42	97	7143	---	---
14	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2820	30.42	100	7364	---	---
15	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2830	30.42	102	7511	---	---
16	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.4	---	2750	30.42	115	8468	---	---

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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