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.

6942
Dr. M. Mazhar

To: Engr. Haseeb Afzal
Project Manager, HMB Developers (Pvt) Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore (Ground Floor Shear Wall E'~G/1~2 & Column F, G, H, J/4)

Our Ref. No. CL/CED/ 4529 Dated: 27/3/2024 Test Specification

Your Ref. No. HMBDPL/S.O/03/24/96th (LHR) Dated: 27/3/2024 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 27/03/2024 Tested on: 27/3/2024 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	CT-83 (6000 Psi)	26	2	2024	6Diax12	---	14	28.28	87	6891	---	Non Engraved
2	CT-83 (6000 Psi)	26	2	2024	6Diax12	---	14	28.28	62	4911	---	Non Engraved
3	CT-83 (6000 Psi)	26	2	2024	6Diax12	---	14	28.28	70	5545	---	Non Engraved
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Witnessed by: Mr. Aftab Sohail

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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6934
Dr. M. Mazhar

To: Mr. Muhammad Sohail Anjum
Project Manager, MS IT TOWER, Lahore

Project: Construction of MS IT Tower at Plot 450, 451 Johar Town Lahore

Our Ref. No. CL/CED/ 4530 **Dated: 27/3/2024**

Your Ref. No. MSITT/UET/2024/C-018 **Dated: 26/3/2024**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 26/03/2024 **Tested on:** 27/3/2024 **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 No. 58 (3000 Psi)	27	2	2024	6Diax12	---	14.2	28.28	56	4436	---	Non Engraved
2	Cylinder No. 60 (3000 Psi)	27	2	2024	6Diax12	---	14	28.28	62	4911	---	Non Engraved
3	Cylinder No. 62 (3000 Psi)	27	2	2024	6Diax12	---	14	28.28	60	4752	---	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**

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ORIGINAL
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6891
Dr. M. Mazhar

To: Mr. M. Faisal Bhatti
For Ittefaq Building Solutions (Pvt) Ltd

Project: Construction of Mr. Chugtai House Residence at Plot #74 Muneer Road Cantt, Lahore (OMAR HOUSE-Structural Member Lift + Bed+ Columns)

Our Ref. No. CL/CED/ 4531 Dated: 27/3/2024 **Test Specification**

Your Ref. No. Nil Dated: 19/3/2024 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 19/03/2024 Tested on: 27/3/2024 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	2	2024	6Diax12	---	13.6	28.28	36	2851	---	Non Engraved
2	4000 Psi	19	2	2024	6Diax12	---	13.2	28.28	44	3485	---	Non Engraved
3	4000 Psi	19	2	2024	6Diax12	---	13.6	28.28	64	5069	---	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**

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ORIGINAL
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6891
Dr. M. Mazhar

To: Mr. M. Faisal Bhatti
For Ittefaq Building Solutions (Pvt) Ltd

Project: Construction of Mr. Chugtai House Residence at Plot #74 Muneer Road Cantt, Lahore. (ALI HOUSE-Structural Member Slab)

Our Ref. No. CL/CED/ 4532 Dated: 27/3/2024 **Test Specification**

Your Ref. No. Nil Dated: 19/3/2024 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 19/03/2024 Tested on: 27/3/2024 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	20	2	2024	6Diax12	---	14.2	28.28	72	5703	---	Non Engraved
2	4000 Psi	20	2	2024	6Diax12	---	14	28.28	58	4594	---	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**

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ORIGINAL
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6891
Dr. M. Mazhar

To: Mr. M. Faisal Bhatti
For Ittefaq Building Solutions (Pvt) Ltd

Project: Construction of Mr. Chugtai House Residence at Plot #74 Muneer Road Cantt, Lahore (OMAR HOUSE-Structural Member Retaining Wall)

Our Ref. No. CL/CED/ 4533 Dated: 27/3/2024 Test Specification

Your Ref. No. Nil Dated: 19/3/2024 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 19/03/2024 Tested on: 27/3/2024 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	3	3	2024	6Diax12	---	13.6	28.28	79	6257	---	Non Engraved
2	4000 Psi	3	3	2024	6Diax12	---	14	28.28	72	5703	---	Non Engraved
3	4000 Psi	3	3	2024	6Diax12	---	14.2	28.28	81	6416	---	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**

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ORIGINAL
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6927
Dr. M. Mazhar

To: Sub Divisional Officer
Sub Division No. 17, GOR-I , Lahore

Project: Construction of Balance Work "Punjab Small Industries Corporation House", Davis Road, Lahore

Our Ref. No. CL/CED/ 4534 Dated: 27/3/2024

Your Ref. No. SDO/1100 Dated: 25/3/2024

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 25/03/2024 Tested on: 27/3/2024 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	C-2	24	2	2024	6Diax12	---	12.6	28.28	26	2059	---	Engraved
2	C-3	29	2	2024	6Diax12	---	13.6	28.28	46	3644	---	Engraved
3	C-7	2	3	2024	6Diax12	---	12.6	28.28	26	2059	---	Engraved
4	C-10	9	3	2024	6Diax12	---	13	28.28	32	2535	---	Non Engraved
5	C-11	11	3	2024	6Diax12	---	13	28.8	22	1711	---	Engraved
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
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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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ORIGINAL
A carbon copy for the report has been retained in the lab for record.

6920
Dr. M. Mazhar

To: Assistant Engineer (Civil)
Building and Works Department, University of Engineering and Technology, Lahore.

Project: Renovation and Rehabilitation of Washrooms of Mumtaz Hall & Zubair Hall, Main Campus UET Lahore.

Our Ref. No. CL/CED/ 4535 Dated: 27/3/2024

Your Ref. No. B&W/AEN-C/MZ/04 Dated: 25/3/2024

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 25/03/2024 Tested on: 27/3/2024 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 (1:1.5:3)	24	2	2024	6Diax12	---	14	28.28	42	3327	---	Engraved
2	Slab (1:1.5:3)	24	2	2024	6Diax12	---	13.4	28.28	46	3644	---	Engraved
3	Slab (1:1.5:3)	24	2	2024	6Diax12	---	13.4	28.28	50	3960	---	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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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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ORIGINAL
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6924
Dr. M. Mazhar

To: Mr. Muhammad Hassnain Jaffar
Project Manager, 7 Canal Developers

Project: 7 Canal Residential Apartment Buildings

Our Ref. No. CL/CED/ 4536 Dated: 27/3/2024 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: 25/03/2024 Tested on: 27/3/2024 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	3	2024	6Diax12	---	15	28.28	32	2535	---	Non Engraved
2	---	16	3	2024	6Diax12	---	15	28.28	28	2218	---	Non Engraved
3	---	17	3	2024	6Diax12	---	15	28.28	28	2218	---	Non Engraved
4	---	17	3	2024	6Diax12	---	15.4	28.28	28	2218	---	Non Engraved
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
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.

6912
Dr. M. Mazhar

To: Engr. M. Shahjahan Khan
Resident Engineer, Infrastructure Developmen Authority of Punjab

Project: Design, Procurement, Deployment and Commissioning of CCTV, Control Room and Data Centre (Compute & Core Network) Infrastructure on EPC/TURNKEY Basis for (PPIC3) Gujranwala.

Our Ref. No. CL/CED/ 4537 Dated: 27/3/2024

Your Ref. No. PPIC3-GUJ/IDAP/2024/0014 Dated: 21/3/2024

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 21/03/2024 Tested on: 27/3/2024 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	20	2	2024	6Diax12	---	14	28.28	64	5069	---	Non Engraved
2	4000 Psi	20	2	2024	6Diax12	---	13.6	28.28	64	5069	---	Non Engraved
3	4000 Psi	20	2	2024	6Diax12	---	14.2	28.28	52	4119	---	Non Engraved
4	4000 Psi	22	2	2024	6Diax12	---	14	28.28	64	5069	---	Non Engraved
5	4000 Psi	22	2	2024	6Diax12	---	14	28.28	54	4277	---	Non Engraved
6	4000 Psi	22	2	2024	6Diax12	---	13.2	28.28	54	4277	---	Non Engraved
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.

6943&6980
Dr. M. Mazhar

To: Executive Engineer (Revised)
Road Construction Division, Lahore.

Project: Special Repair of Approach Road to Bibi Pak Daman Shrine in District Lahore.

Our Ref. No. CL/CED/ 4538 **Dated: 27/3/2024**

Your Ref. No. EE(RC)/2904/CB/ST **Dated: 11-03-24**

Test Specification
(BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 27/03/2024 **Tested on:** 27/3/2024 **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	Plain Cement Concrete (1:2:4)	12	2	2024	6x6x6	---	8.2	36	58	3609	---	Non Engraved
2	Plain Cement Concrete (1:2:4)	12	2	2024	6x6x6	---	8.4	36	56	3484	---	Non Engraved
3	Plain Cement Concrete (1:2:4)	12	2	2024	6x6x6	---	8.4	36	54	3360	---	Non Engraved
4	Plain Cement Concrete (1:2:4)	12	2	2024	6x6x6	---	9	36	89	5538	---	Non Engraved
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
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.

6943
Dr. M. Mazhar

To: Executive Engineer
Road Construction Division, Lahore.

Project: Special Repair of Approach Road to Bibi Pak Daman Shrine in District Lahore.

Our Ref. No. CL/CED/ 4538 **Dated: 27/3/2024**

Your Ref. No. EE(RC)/2904/CB/ST **Dated: 11-03-24**

Test Specification
(BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 27/03/2024 **Tested on:** 27/3/2024 **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	Plain Cement Concrete (1:2:4)	12	2	2024	6x6x6	---	8.2	36	95	5911	---	Non Engraved
2	Plain Cement Concrete (1:2:4)	12	2	2024	6x6x6	---	8.4	36	87	5413	---	Non Engraved
3	Plain Cement Concrete (1:2:4)	12	2	2024	6x6x6	---	9	36	93	5787	---	Non Engraved
4	Plain Cement Concrete (1:2:4)	12	2	2024	6x6x6	---	8.8	36	103	6409	---	Non Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
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)
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ORIGINAL
A carbon copy for the report has been retained in the lab for record.

6943&6980
Dr. M. Mazhar

To: Executive Engineer (Revised)
Road Construction Division, Lahore.

Project: Special Repair of Approach Road to Bibi Pak Daman Shrine in District Lahore.

Our Ref. No. CL/CED/ 4539 **Dated: 27/3/2024**

Your Ref. No. EE(RC)/2903/CB/ST **Dated: 11-03-24**

Test Specification
(BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 27/03/2024 **Tested on:** 27/3/2024 **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	Plain Cement Concrete (1:1.5:3)	12	2	2024	6x6x6	---	8.2	36	95	5911	---	Non Engraved
2	Plain Cement Concrete (1:1.5:3)	12	2	2024	6x6x6	---	8.4	36	87	5413	---	Non Engraved
3	Plain Cement Concrete (1:1.5:3)	12	2	2024	6x6x6	---	9	36	93	5787	---	Non Engraved
4	Plain Cement Concrete (1:1.5:3)	12	2	2024	6x6x6	---	8.8	36	103	6409	---	Non Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
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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

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ORIGINAL
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6943
Dr. M. Mazhar

To: Executive Engineer
Road Construction Division, Lahore.

Project: Special Repair of Approach Road to Bibi Pak Daman Shrine in District Lahore.

Our Ref. No. CL/CED/ 4539 **Dated: 27/3/2024**

Your Ref. No. EE(RC)/2903/CB/ST **Dated: 11-03-24**

Test Specification
(BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 27/03/2024 **Tested on:** 27/3/2024 **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	Plain Cement Concrete (1:1.5:3)	12	2	2024	6x6x6	---	8.2	36	58	3609	---	Non Engraved
2	Plain Cement Concrete (1:1.5:3)	12	2	2024	6x6x6	---	8.4	36	56	3484	---	Non Engraved
3	Plain Cement Concrete (1:1.5:3)	12	2	2024	6x6x6	---	8.4	36	54	3360	---	Non Engraved
4	Plain Cement Concrete (1:1.5:3)	12	2	2024	6x6x6	---	9	36	89	5538	---	Non Engraved
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
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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.

6877
Dr. Aqsa

To: Mr. M. Usman Rauf
Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd

Project: Restoration of Road Cut at Muslim Road Link Sanda Road in Data Gunj Bakhsh Zone, Lahore. (MCL Projects)

Our Ref. No. CL/CED/ 4540 Dated: 27/3/2024

Your Ref. No. 4084/103/MUR/104/1808 Dated: 13/3/2024

Test Specification
(BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 18/3/2024 Tested on: 26-03-24 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	SS	---	---	---	8.9 x 4.4 x 3	3835	3385	39.16	40	2288	13.29	---
2	SS	---	---	---	8.9 x 4.3 x 2.9	3600	3210	38.27	44	2575	12.15	---
3	SS	---	---	---	9 x 4.4 x 3.1	3905	3430	39.6	48	2715	13.85	---
4	SS	---	---	---	8.8 x 4.4 x 3.1	3625	3205	38.72	46	2661	13.1	---
5	SS	---	---	---	9 x 4.4 x 3.1	3850	3395	39.6	28	1584	13.4	---
6	SS	---	---	---	8.9 x 4.4 x 3.1	3830	3355	39.16	36	2059	14.16	---
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)
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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**

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.

6914
Dr. M. Yousaf

To: Sub Divisional Officer
Buildings Sub Division, Nankana Sahib

Project: Construction of PHP Post at Chak No. 5 District Nankana Sahib

Our Ref. No. CL/CED/ 4541 **Dated: 27/3/2024** **Test Specification**

Your Ref. No. 299/SDO/BSD/NNS **Dated: 04-03-24** **(----)**

COMPRESSION TEST REPORT

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

Specimens received on: 21/3/2024 **Tested on:** 27/3/2024 **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	11	---	---	---	9 x 4.5 x 3	---	3450	40.5	48	2655	---	---
2	11	---	---	---	8.9 x 4.4 x 3	---	3440	39.16	47	2688	---	---
3	11	---	---	---	9 x 4.4 x 3	---	3425	39.6	52	2941	---	---
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
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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

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

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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.

6899
Dr. M. Mazhar

To: Mr. M. Usman Rauf
Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd.

Project: Improvement of PCC Main Street Tajpura Pind Lahore (Aziz Bhatti Zone). (MCL Projects)

Our Ref. No. CL/CED/ 4542 Dated: 27/3/2024

Your Ref. No. 4084/103/MUR/104/1806 Dated: 12-03-24

Test Specification
(BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 20/3/2024 Tested on: 27/3/2024 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	5	---	---	---	8.7 x 4.2 x 2.9	3720	3320	36.54	46	2820	12.05	---
2	5	---	---	---	8.6 x 4.1 x 3	3550	3315	35.26	58	3685	7.09	---
3	5	---	---	---	8.7 x 4.3 x 2.8	3695	3225	37.41	40	2395	14.57	---
4	5	---	---	---	8.4 x 4.2 x 2.8	3490	3300	35.28	50	3175	5.76	---
5	5	---	---	---	8.6 x 4.2 x 2.9	3715	3345	36.12	44	2729	11.06	---
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 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.

6903
Dr. M. Mazhar

To: Mr. M. Usman Rauf
Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd

Project: 1. Rehabilitation of Main Road and Nallah Khotli Ghassi UC-143 Wahga Zone Lahore; 2. Repair & Improvement of Umar Din Road Shalamar Zone Lahore. (MCL Projects)

Our Ref. No. CL/CED/ 4543 Dated: 27/3/2024

Your Ref. No. 4084/103/MUR/104/1817 Dated: 15/3/2024

Test Specification (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 21/3/2024 Tested on: 27/3/2024 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	K3	---	---	---	8.8 x 4.3 x 3	3685	3305	37.84	36	2131	11.5	---
2	K3	---	---	---	9 x 4.4 x 3	3680	3320	39.6	32	1810	10.84	---
3	K3	---	---	---	8.9 x 4.3 x 3	3565	3235	38.27	46	2692	10.2	---
4	K3	---	---	---	8.9 x 4.3 x 3	3610	3265	38.27	44	2575	10.57	---
5	K3	---	---	---	9 x 4.4 x 3	3615	3155	39.6	46	2602	14.58	---
6	K3	---	---	---	8.8 x 4.3 x 2.9	3685	3395	37.84	54	3197	8.54	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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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.

6926
Dr. M. Mazhar

To: Civil Engineer
Punjab Small Industries Corporation, Directorate of Works & Development, Lahore.

Project: Construction of Boundary Wall, Office & Rest House Repair/ Renovation and Road Repair Work at SIE-II SUNDER Lahore.

Our Ref. No. CL/CED/ 4544 Dated: 27/3/2024 Test Specification

Your Ref. No. PSIC/W&D/600 Dated: 22/3/2024 (----)

COMPRESSION TEST REPORT

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

Specimens received on: 25/3/2024 Tested on: 27/3/2024 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	---	---	---	8.9 x 4.2 x 3	---	3200	37.38	28	1678	---	---
2	RB	---	---	---	8.9 x 4.2 x 3	---	3175	37.38	40	2397	---	---
3	RB	---	---	---	9 x 4.3 x 2.9	---	3210	38.7	38	2199	---	---
4	RB	---	---	---	8.9 x 4.2 x 3	---	3270	37.38	42	2517	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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.

6857
Dr. M. Mazhar

To: Assistant Engineer (Civil)
Building and Works Department, University of Engineering & Technology, Lahore

Project: Renovation and Rehabilitation of Washrooms of Mumtaz Hall & Zubair Hall, Main Campus UET Lahore.

Our Ref. No. CL/CED/ 4545 Dated: 27/3/2024

Your Ref. No. B&W/AEN-C/MZ/02 Dated: 12-03-24

Test Specification
(BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-24 Tested on: 27/3/2024 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	MD	---	---	---	8.8 x 4.3 x 3	3685	3345	37.84	40	2368	10.16	---
2	MD	---	---	---	8.9 x 4.3 x 3	3450	3115	38.27	36	2107	10.75	---
3	MD	---	---	---	8.8 x 4.4 x 3	3755	3410	38.72	40	2314	10.12	---
4	MD	---	---	---	8.8 x 4.3 x 3	3540	3205	37.84	28	1658	10.45	---
5	MD	---	---	---	8.8 x 4.3 x 3	3695	3360	37.84	46	2723	9.97	---
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.

6863
Dr. M. Mazhar

To: Mr. Muhammad Hassan Khan
Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd.

Project: Construction of Bridge and Approach Road Across Kahna Butchar Canal Near Heer Pind, Lahore.
(Contractor: M/s Rohan & Co.)

Our Ref. No. CL/CED/ 4546-1 of 2 Dated: 27/3/2024 Test Specification

Your Ref. No. 3772/103/ADP/MHK/KBC/14 Dated: 09-03-24 (----)

COMPRESSION TEST REPORT

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

Specimens received on: 13/3/2024 Tested on: 27/3/2024 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	NB	---	---	---	8.8 x 4.3 x 3	3470	3130	37.84	28	1658	10.86	---
2	NB	---	---	---	8.7 x 4.3 x 3	3500	3190	37.41	56	3353	9.72	---
3	NB	---	---	---	8.7 x 4.3 x 3	3550	3190	37.41	50	2994	11.29	---
4	NB	---	---	---	8.8 x 4.3 x 3	3565	3190	37.84	44	2605	11.76	---
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

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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.

6863
Dr. M. Mazhar

To: Mr. Muhammad Hassan Khan
Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd.

Project: Construction of Bridge and Approach Road Across Kahna Butchar Canal Near Heer Pind, Lahore.
(Contractor: M/s Rohan & Co.)

Our Ref. No. CL/CED/ 4546-2 of 2 Dated: 27/3/2024 **Test Specification**

Your Ref. No. 3772/103/ADP/MHK/KBC/14 Dated: 09-03-24 (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 13/3/2024 **Tested on:** 27/3/2024 **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	7UP	---	---	---	8.8 x 4.3 x 3	3665	3285	37.84	58	3433	11.57	---
2	7UP	---	---	---	8.6 x 4.2 x 3	3465	3280	36.12	46	2853	5.64	---
3	7UP	---	---	---	8.7 x 4.3 x 3	3495	3110	37.41	54	3233	12.38	---
4	7UP	---	---	---	8.8 x 4.3 x 3	3550	3135	37.84	34	2013	13.24	---
5	7UP	---	---	---	9 x 4.3 x 3.1	3840	3440	38.7	36	2084	11.63	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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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)
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.

6910
Dr. M. Yousaf

To: **Mr. Kashif Munir**
Manager Accounts & Finance, RA Empire (Pvt) Ltd.

Project: Construction of a Farm House Society in Bedian Road Lahore.

Our Ref. No. CL/CED/ 4547 **Dated: 27/3/2024** **Test Specification**

Your Ref. No. Nil **Dated: 21/3/2024** **(----)**

COMPRESSION TEST REPORT

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

Specimens received on: 21/3/2024 **Tested on:** 27/3/2024 **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, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3720	29.64	110	8313	---	---
2	Rectangular, Black, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3745	29.64	95	7179	---	---
3	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3790	29.64	117	8842	---	---
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
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.

6916
Dr. Aqsa

To: Engineer's Representative
Metroplan-Asian JV, Site Office JIC-JHL, Lahore.

Project: Establishment of Jinnah Institute of Cardiology at Jinnah Hospital Lahore.

Our Ref. No. CL/CED/ 4548 **Dated:** 27/3/2024 **Test Specification**

Your Ref. No. Metroplan-Asian-JVJIC-JHL-RE-162-2024 **Dated:** 22/3/2024 (----)

COMPRESSION TEST REPORT

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

Specimens received on: 22/3/2024 **Tested on:** 27/3/2024 **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 (6x8x11.5)	26	2	2024	11.9 x 5.9 x 7.5	---	19.2	68.37	84	2752	---	---
2	Solid Block (6x8x11.5)	26	2	2024	11.9 x 5.9 x 7.5	---	19	68.37	74	2424	---	---
3	Solid Block (6x8x11.5)	26	2	2024	11.9 x 5.9 x 7.5	---	19.2	68.37	77	2523	---	---
4	Solid Block (8x8x11.5)	26	2	2024	11.9 x 8 x 7.8	---	27	92.86	112	2702	---	---
5	Solid Block (8x8x11.5)	26	2	2024	11.9 x 8 x 7.8	---	25.6	92.86	93	2243	---	---
6	Solid Block (8x8x11.5)	26	2	2024	11.9 x 8 x 7.9	---	26.2	92.86	107	2581	---	---
7	Hollow Block (8x8x16.5)	26	2	2024	16.5 x 8 x 8	---	31.2	80	111	3108	---	---
8	Hollow Block (8x8x16.5)	26	2	2024	16.5 x 8 x 8	---	31.2	80	51	1428	---	---
9	Hollow Block (8x8x16.5)	26	2	2024	16.5 x 8 x 8	---	32	80	76	2128	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
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 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**