



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.

9622
Dr. M. Mazhar

To: Mr. Zain Ul Hassan
Engineer SESPL, Saif Engineering & Services (Pvt) Ltd.

Project: Construction of the Compressor & Boiler Room in Sapphire Fiber (11) Limited.

Our Ref. No. CL/CED/ 8620

Dated: 18/06/2025

Test Specification

Your Ref. No. Nil

Dated: 16/05/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 17/06/2025 Tested on: 18/06/2025 in dry/wet condition



Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	Foundation	3	6	2025	6x6x6	---	8.4	36	86	5351	---	Engraved
2	Foundation	3	6	2025	6x6x6	---	8.2	36	68	4231	---	Engraved
3	Foundation	3	6	2025	6x6x6	---	8.2	36	84	5227	---	Engraved
4	Column	5	6	2025	6x6x6	---	8.2	36	86	5351	---	Engraved
5	Column	5	6	2025	6x6x6	---	8.4	36	69	4293	---	Engraved
6	Column	5	6	2025	6x6x6	---	8.2	36	75	4667	---	Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6"x12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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Civil Engineering Department

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ORIGINAL

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9607
Dr. M. Mazhar

To: MINHAS CONSTRUCTION CONTRACTOR
Faisal Hill Taxila.

Project: HVAC PLANT ROOM

Our Ref. No. CL/CED/ 8621

Dated: 18/6/2025

Test Specification

Your Ref. No. MCC/CFL/025

Dated: 11/06/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16/6/2025 Tested on: 18/6/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	---	4	6	2025	6Diax12	---	12.8	28.28	37	2931	---	Non Engraved
2	---	4	6	2025	6Diax12	---	13	28.28	37	2931	---	Non Engraved
3	---	4	6	2025	6Diax12	---	13.2	28.28	43	3406	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

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

Note: Above results pertain to the unsealed samples supplied to the laboratory

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



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ORIGINAL

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9617
Dr. M. Mazhar

To: Mr. Tahawar Owais
Project Manager, DSG Energy- A Part of DS Group of Companies, Garden Town, Lahore.

Project: Construction of Office Building at 29-M QIE, Lahore.

Our Ref. No. CL/CED/ 8622

Dated: 18/6/2025

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: 17/6/2025 Tested on: 18/6/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	---	7	5	2025	6Diax12	---	13.8	28.28	79	6257	---	Non Engraved
2	---	7	5	2025	6Diax12	---	14	28.28	82	6495	---	Non Engraved
3	---	7	5	2025	6Diax12	---	14	28.28	66	5228	---	Non Engraved
4	---	14	5	2025	6Diax12	---	13	28.28	58	4594	---	Non Engraved
5	---	14	5	2025	6Diax12	---	13.6	28.28	81	6416	---	Non Engraved
6	---	14	5	2025	6Diax12	---	13.2	28.28	74	5861	---	Non Engraved
7	---	20	5	2025	6Diax12	---	14	28.28	84	6653	---	Non Engraved
8	---	20	5	2025	6Diax12	---	14	28.28	81	6416	---	Non Engraved
9	---	20	5	2025	6Diax12	---	13	28.28	73	5782	---	Non Engraved
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

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- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Dr. M. Mazhar

To: Mr. Tahawar Owais
Project Manager, DSG Energy- A Part of DS Group of Companies, Garden Town, Lahore.

Project: Construction of Office Building at 29-M QIE, Lahore

Our Ref. No. CL/CED/ 8623

Dated: 18/6/2025

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: 17/6/2025 Tested on: 18/6/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	---	15	5	2025	6Diax12	---	13.2	28.28	61	4832	---	Non Engraved
2	---	15	5	2025	6Diax12	---	13.4	28.28	64	5069	---	Non Engraved
3	---	15	5	2025	6Diax12	---	13	28.28	67	5307	---	Non Engraved
4	---	16	5	2025	6Diax12	---	13	28.28	68	5386	---	Non Engraved
5	---	16	5	2025	6Diax12	---	13	28.28	65	5149	---	Non Engraved
6	---	16	5	2025	6Diax12	---	13.8	28.28	64	5069	---	Non Engraved
7	---	20	5	2025	6Diax12	---	14	28.28	69	5465	---	Non Engraved
8	---	20	5	2025	6Diax12	---	14	28.28	67	5307	---	Non Engraved
9	---	20	5	2025	6Diax12	---	13	28.28	63	4990	---	Non Engraved
10	---	22	5	2025	6Diax12	---	13	28.28	63	4990	---	Non Engraved
11	---	22	5	2025	6Diax12	---	13	28.28	67	5307	---	Non Engraved
12	---	22	5	2025	6Diax12	---	13.6	28.28	79	6257	---	Non Engraved
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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Dr. M. Mazhar

To: Mr. Tahawar Owais
Project Manager, DSG Energy- A Part of DS Group of Companies, Garden Town, Lahore.

Project: Construction of Office Building at 29-M QIE, Lahore

Our Ref. No. CL/CED/ 8624

Dated: 18/6/2025

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: 17/6/2025 Tested on: 18/6/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	---	24	5	2025	6Diax12	---	13.8	28.28	73	5782	---	Non Engraved
2	---	24	5	2025	6Diax12	---	14	28.28	70	5545	---	Non Engraved
3	---	24	5	2025	6Diax12	---	14	28.28	79	6257	---	Non Engraved
4	---	25	5	2025	6Diax12	---	13.8	28.28	77	6099	---	Non Engraved
5	---	25	5	2025	6Diax12	---	13.6	28.28	69	5465	---	Non Engraved
6	---	25	5	2025	6Diax12	---	14	28.28	71	5624	---	Non Engraved
7	---	28	5	2025	6Diax12	---	14	28.28	65	5149	---	Non Engraved
8	---	28	5	2025	6Diax12	---	14	28.28	78	6178	---	Non Engraved
9	---	28	5	2025	6Diax12	---	14	28.28	79	6257	---	Non Engraved
10	---	29	5	2025	6Diax12	---	13.8	28.28	69	5465	---	Non Engraved
11	---	29	5	2025	6Diax12	---	14	28.28	77	6099	---	Non Engraved
12	---	29	5	2025	6Diax12	---	14	28.28	82	6495	---	Non Engraved
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
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ORIGINAL

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9627
Dr. M. Mazhar

To: Sub Divisional Officer
Public Health Engg: Sub Division, Jhelum

Project: Provision / Laying of Urban Drainage, RCC PCC and Nullah in Jhelum City Tehsil & District Jhelum

Our Ref. No. CL/CED/ 8625

Dated: 18/6/2025

Test Specification

Your Ref. No. 810/j

Dated: 21/5/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 17/6/2025 Tested on: 18/6/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	PCC (1:2:4)	24	4	2025	6x6x6	---	9	36	66	4107	---	Non Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

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Director/Dy. Director Concrete Laboratory



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Dr. M. Mazhar

To: Sub Divisional Officer
Public Health Engg: Sub Division, Jhelum

Project: Provision / Laying of Urban Drainage, RCC PCC and Nullah in Jhelum City Tehsil & District Jhelum

Our Ref. No. CL/CED/ 8626

Dated: 18/6/2025

Test Specification

Your Ref. No. 817/j

Dated: 30/5/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 17/6/2025 Tested on: 18/6/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	PCC (1:2:4)	3	5	2025	6x6x6	---	9	36	88	5476	---	Non Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Dr. M. Mazhar

To: Sub Divisional Officer
Public Health Engg: Sub Division, Jhelum

Project: Provision / Laying of Urban Drainage, RCC PCC and Nullah in Jhelum City Tehsil & District Jhelum

Our Ref. No. CL/CED/ 8627

Dated: 18/6/2025

Test Specification

Your Ref. No. 807/j

Dated: 14/5/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 17/6/2025 Tested on: 18/6/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	PCC (1:2:4)	17	4	2025	6x6x6	---	8.2	36	71	4418	---	Non Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

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

9606
Dr. M. Mazhar

To: Mr. IMRAN IFTIKHAR

Assistant Executive Engineer-I, Central Civil Division No. 1, Pak PWD, Lahore.
Project: Strengthening of Training Activities of PAS Officers at Civil Services Officers at Civil Services Academy, PAS Campus, Lahore (Sub-Head: Constr. of New Office Accommodation for MCMC/SMC at PAS Campus Lahore)
Our Ref. No. CL/CED/ 8628

Dated: 18/6/2025

Test Specification

Your Ref. No. AEE-I/CCD-I/LHR/04

Dated: 13/05/2024

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 13/6/2025 Tested on: 18/6/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	RCC Col. Upto Plinth	12	4	2024	6x6x6	---	8.6	36	90	5600	---	Non Engraved
2	RCC Col. Upto Plinth	12	4	2024	6x6x6	---	9	36	60	3733	---	Non Engraved
3	RCC Plinth Beam	10	4	2024	6x6x6	---	8	36	72	4480	---	Non Engraved
4	RCC Plinth Beam	10	4	2024	6x6x6	---	9	36	64	3982	---	Non Engraved
5	RCC Col. At Ground Floor	11	4	2024	6x6x6	---	9	36	86	5351	---	Non Engraved
6	RCC Col. At Ground Floor	11	4	2024	6x6x6	---	8.4	36	87	5413	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
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Dr. M. Mazhar

To: Mr. IMRAN IFTIKHAR
Assistant Executive Engineer-I, Central Civil Division No. 1, Pak PWD, Lahore.
Project: Strengthening of Training Activities of PAS Officers at Civil Services Officers at Civil Services Academy, PAS Campus, Lahore (Sub-Head: Constr. of New Office Accommodation for MCMC/SMC at PAS Campus Lahore)
Our Ref. No. CL/CED/ 8629
Your Ref. No. AEE-I/CCD-I/LHR/06

Dated: 18/6/2025

Test Specification

Dated: 07/06/2024

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 13/6/2025 Tested on: 18/6/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	RCC Slab & Beam at Ground Floor	6	5	2024	6x6x6	---	9	36	93	5787	---	Non Engraved
2	RCC Slab & Beam at Ground Floor	6	5	2024	6x6x6	---	8	36	48	2987	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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