



**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.

5130  
 Engr. Ubaid

**To:** Mr. Zaheer Abbas  
 Senior Manager Construction, Beacon House School Systems, BPS (Pvt) Ltd.

**Project:** Construction of New Campus Ibne Sina at Valancia Town, Lahore.

**Our Ref. No.** CL/CED/ 1802

**Dated:** 20-04-23

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 17-04-23

( ASTM C39 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 17-04-23 **Tested on:** 20-04-23 **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	2nd Floor Slab (3200 Psi)	13	3	2023	6Diax12	---	13.4	28.28	73	5782	---	Non Engraved
2	2nd Floor Slab (3200 Psi)	13	3	2023	6Diax12	---	13.6	28.28	43	3406	---	Non Engraved
3	2nd Floor Slab (3200 Psi)	13	3	2023	6Diax12	---	13	28.28	48	3802	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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"diax12" cylinder) strength at 28 days as compressive strength

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

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

**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Civil Engineering Department**  
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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.

5139  
 Engr. Ubaid

To: Mr. Shahzad Waheed  
 Sub Divisional Officer, Aitchison College, Lahore.

Project: Construction of Sr. Staff Residences, Aitchison College, Lahore.

Our Ref. No. CL/CED/ 1803

Dated: 20-04-23

Test Specification

Your Ref. No. P-569/A

Dated: 19-04-23

( BS 1881-116 )

**COMPRESSION TEST REPORT**



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

Specimens received on: 19-04-23 Tested on: 20-04-23 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	First Floor Slab	27	3	2023	6x6x6	---	8.2	36	59	3671	---	Engraved
2	First Floor Slab	27	3	2023	6x6x6	---	8.2	36	56	3484	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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" dia x 12" 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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**ORIGINAL**  
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5138  
 Engr. Ubaid

**To:** Mr. Shahzad Waheed  
 Sub Divisional Officer, Aitchison College, Lahore.

**Project:** Construction of Sr. Staff Residences, Aitchison College, Lahore.

**Our Ref. No.** CL/CED/ 1804

**Dated:** 20-04-23

**Test Specification**

**Your Ref. No.** P-569

**Dated:** 19-04-23

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 19-04-23 **Tested on:** 20-04-23 **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	First Floor Slab	14	2	2023	6x6x6	---	8.4	36	75	4667	---	Engraved
2	First Floor Slab	14	2	2023	6x6x6	---	8.4	36	80	4978	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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**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" dia x 12" 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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5138  
 Engr. Ubaid

To: Mr. Shahzad Waheed  
 Sub Divisional Officer, Aitchison College, Lahore.

Project: Construction of Sr. Staff Residences, Aitchison College, Lahore.

Our Ref. No. CL/CED/ 1805

Dated: 20-04-23

Test Specification

Your Ref. No. P-569

Dated: 19-04-23

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: **19-04-23** Tested on: **20-04-23** 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	First Floor Slab	24	2	2023	6x6x6	---	8	36	51	3173	---	Engraved
2	First Floor Slab	24	2	2023	6x6x6	---	8	36	44	2738	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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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" dia x 12" 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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 Engr. Ubaid

To: Mr. Shahzad Waheed  
 Sub Divisional Officer, Aitchison College, Lahore.

Project: Construction of Sr. Staff Residences, Aitchison College, Lahore.

Our Ref. No. CL/CED/ 1806

Dated: 20-04-23

Test Specification

Your Ref. No. P-569

Dated: 19-04-23

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: 19-04-23 Tested on: 20-04-23 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	First Floor Slab	9	3	2023	6x6x6	---	8.2	36	52	3236	---	Engraved
2	First Floor Slab	9	3	2023	6x6x6	---	8.4	36	46	2862	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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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
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- \*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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- 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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5081  
 Engr. Ubaid

**To:** Cantonment Executive Officer  
 Office of the Cantonment Board Sargodha, Club Road Sargodha Cantt.

**Project:** Providing laying of Sewerage Lines/Disposal Ward No.4 Sargodha Cantt. (Phase I)

**Our Ref. No.** CL/CED/ 1807

**Dated:** 20-04-23

Test Specification

**Your Ref. No.** CBS/CANT/01/80

**Dated:** 02-03-23

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## COMPRESSION TEST REPORT



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

**Specimens received on:** 07-04-23 **Tested on:** 20-04-23 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	A5	---	---	---	8.7 x 4.3 x 2.8	3320	2945	37.41	32	1916	12.73	---	
2	A5	---	---	---	8.7 x 4.2 x 2.8	3290	2980	36.54	40	2452	10.4	---	
3	A5	---	---	---	8.5 x 4.3 x 2.7	3250	2925	36.55	37	2268	11.11	---	
4	A5	---	---	---	8.7 x 4.3 x 2.9	3485	3045	37.41	29	1736	14.45	---	
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" dia x 12" 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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**Civil Engineering Department**  
 University of Engineering and Technology, Lahore, Pakistan  
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**ORIGINAL**  
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5077  
 Engr. Ubaid

To: Assistant Resident Engineer  
 JERS Consultancy (Pvt) Ltd. Lahore. (Contractor: M/S Chaudhary Enterprises).

Project: Construction of Protection Wall (at Distributory Canal) in MC, Muridke. PCP (Phase-II)

Our Ref. No. CL/CED/ 1808

Dated: 20-04-23

Test Specification

Your Ref. No. 488-J01-ARE-2(MDK-R)/22

Dated: 10-03-23

( BS 3921\*\* )

## COMPRESSION TEST REPORT



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

Specimens received on: 07-04-23 Tested on: 20-04-23 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	DA	---	---	---	8.3 x 4 x 2.7	3130	2850	33.2	24	1619	9.82	---	
2	DA	---	---	---	8.5 x 4.1 x 2.8	3210	2925	34.85	28	1800	9.74	---	
3	DA	---	---	---	8.4 x 4 x 2.8	3170	2890	33.6	45	3000	9.69	---	
4	DA	---	---	---	8.3 x 4 x 2.8	3070	2855	33.2	40	2699	7.53	---	
5	DA	---	---	---	8.3 x 4 x 2.7	3095	2855	33.2	42	2834	8.41	---	
6	---	---	---	---	---	---	---	---	---	---	---	---	
7	---	---	---	---	---	---	---	---	---	---	---	---	
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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



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**Civil Engineering Department**  
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**ORIGINAL**  
 A carbon copy for the report has been retained in the lab for record.

5009  
 Engr. Ubaid

**To:** Mr. Qamar Ayoub  
 Assistant Manager, Central Zone, Punjab Aab-e-Pak Authority.  
 Project: Supply Construction, Installation of Surface Water Treatment Plant, Solar and SCADA Systems at Rural Area of Distt. Kasur by Punjab Aab-e Pak Authority. (M/S Metron International-Water QO JV)  
 Our Ref. No. CL/CED/ 1809      Dated: 20-04-23  
 Your Ref. No. PAPA/DM(P&MC)/CZ/119      Dated: 27-03-23

Test Specification  
 ( BS 3921\*\* )

## COMPRESSION TEST REPORT



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

Specimens received on: **27-03-23** Tested on: **20-04-23** 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	S1	---	---	---	8.7 x 4.3 x 3	3745	3310	37.41	46	2754	13.14	---	
2	S1	---	---	---	8.8 x 4.3 x 2.9	3765	3350	37.84	42	2486	12.39	---	
3	S1	---	---	---	8.8 x 4.2 x 3	3680	3360	36.96	36	2182	9.52	---	
4	S1	---	---	---	8.6 x 4.3 x 3	3770	3370	36.98	33	1999	11.87	---	
5	S1	---	---	---	8.7 x 4.3 x 3	3785	3345	37.41	36	2156	13.15	---	
6	S1	---	---	---	8.7 x 4.3 x 3	3700	3295	37.41	35	2096	12.29	---	
7	---	---	---	---	---	---	---	---	---	---	---	---	
8	---	---	---	---	---	---	---	---	---	---	---	---	
9	---	---	---	---	---	---	---	---	---	---	---	---	
10	---	---	---	---	---	---	---	---	---	---	---	---	
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" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory





**Plain and Reinforced Concrete Laboratory**  
**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.

5000  
 Engr. Ubaid

**To:** Executive Engineer (EHV-I)  
 Civil Works Division, NTDC Lahore.

**Project:** Const. of B.W, Main Gate, Watch Towers, Patr. Path, Security Barracks, Reception Office, Drains, Sewerage System & Allied Civil Works at 220 KV Grid Station Quaid-e-Azam Business Park, Skp. (PIEDMC)  
**Our Ref. No.** CL/CED/ 1810      **Dated:** 20-04-23      **Test Specification**

**Your Ref. No.** 439-41/XEN/EHV/WE80

**Dated:** 16-03-23

( BS 3921\*\* )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 27-03-23      **Tested on:** 20-04-23      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	7	---	---	---	8.5 x 4.2 x 2.8	3405	3095	35.7	30	1882	10.02	---
2	7	---	---	---	8.5 x 4.2 x 2.9	3355	3075	35.7	46	2886	9.11	---
3	7	---	---	---	8.8 x 4.2 x 2.8	3430	3110	36.96	41	2485	10.29	---
4	7	---	---	---	8.7 x 4.2 x 2.9	3535	3220	36.54	41	2513	9.78	---
5	7	---	---	---	8.7 x 4.2 x 2.8	3390	3075	36.54	34	2084	10.24	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:**

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- The test results are recommended to be interpreted in the light of above factors by the engineer.

**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**