



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.

6977
Dr. Umbreen

To: Engr. Aftab Alam
Resident Engineer, Infrastructure Development Authority of Punjab.

Project: Design, Procurement, Deployment and Commissioning of CCTV, Control Room and Data Center (Compute & Core Network) Infrastructure on EPC/Turnkey Basis for (PPIC3), Rawalpindi. (M/s FWO)

Our Ref. No. CL/CED/ 4594

Dated: 04-04-24

Test Specification

Your Ref. No. PPIC3-RWP/IDAP/2024/0010

Dated: 02-04-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 02-04-24 Tested on: 04-04-24 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 for Poles	24	3	2024	6Diax12	---	13	28.28	54	4277	---	Non Engraved
2	Foundation for Poles	24	3	2024	6Diax12	---	14.2	28.28	64	5069	---	Non Engraved
3	Foundation for Poles	24	3	2024	6Diax12	---	14	28.28	64	5069	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

- * 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
 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.

6964
 Dr. Umbreen

To: Mr. M. Usman Rauf
 Resident Engineer, NESPAK (Pvt.) Ltd. Highways and Transportation Engineering Division.
 Project: Rehabilitation of Road at 27/12 Katcha Jail Road Behind Tolinton Market LOS Data Gunj Buksh Zone Lahore. (MCL Projects)
 Our Ref. No. CL/CED/ 4595 Dated: 04-04-24
 Your Ref. No. 4084/103/MUR/104/1828 Dated: 30-03-24

Test Specification
 (BS 1881-116)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: Tested on: 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	---	26	1	2024	6x6x6	---	9	36	53	3298	---	Non Engraved
2	---	26	1	2024	6x6x6	---	8	36	48	2987	---	Non Engraved
3	---	26	1	2024	6x6x6	---	8	36	72	4480	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
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" 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.

6986
 Dr. Umbreen

To: Sub Divisional Officer
 Building Sub Division, Nankana Sahib

Project: Construction of DPO Office Nankana Sahib.

Our Ref. No. CL/CED/ 4596

Dated: 04-04-24

Test Specification

Your Ref. No. No.390/SDO/BSD/NNS

Dated: 02-04-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 03-04-24 **Tested on:** 04-04-24 **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	Plinth Beam of Main Bldg. (1:2:4)	7	3	2024	6x6x6	---	9.6	36	94	5849	---	Non Engraved
2	Plinth Beam of Main Bldg. (1:2:4)	7	3	2024	6x6x6	---	9.6	36	84	5227	---	Non Engraved
3	Plinth Beam of Main Bldg. (1:2:4)	7	3	2024	6x6x6	---	9.4	36	84	5227	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
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" 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.

6885
 Dr. Umbreen

To: Deputy Director (Works)
 Project Director of the Scheme O/O Mines Labour Welfare Commissioner, Punjab Lahore.

Project: Installation of Filtration Plant at Mines Labour Welfare Complex, Chak 119 SB Sargodha.

Our Ref. No. CL/CED/ 4597

Dated: 04-04-24

Test Specification

Your Ref. No. MLW/C.E/MT/50/17/2478

Dated: 15-03-24

(BS 3921)**

COMPRESSION TEST REPORT



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

Specimens received on: 18-03-24 **Tested on:** 04-04-24 **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	10	---	---	---	8.8 x 4.3 x 3	3245	2880	37.84	38	2249	12.67	---
2	10	---	---	---	8.8 x 4.3 x 2.8	3370	2925	37.84	28	1658	15.21	---
3	10	---	---	---	8.8 x 4.3 x 2.8	3215	2935	37.84	48	2841	9.54	---
4	10	---	---	---	8.8 x 4.3 x 3	3285	2965	37.84	38	2249	10.79	---
5	10	---	---	---	8.8 x 4.3 x 3	3470	2955	37.84	42	2486	17.43	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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-reports/>

- * 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.

6885
 Dr. Umbreen

To: Deputy Director (Works)
 Project Director of the Scheme O/O Mines Labour Welfare Commissioner, Punjab Lahore.

Project: Installation of Filtration Plant at Mines Labour Welfare Complex, Khushab.

Our Ref. No. CL/CED/ 4598

Dated: 04-04-24

Test Specification

Your Ref. No. MLW/C.E/MT/50/17/2479

Dated: 15-03-24

(BS 3921)**

COMPRESSION TEST REPORT



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

Specimens received on: 18-03-24 **Tested on:** 04-04-24 **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	100	---	---	---	9.1 x 4.4 x 2.9	3350	2850	40.04	34	1902	17.54	---
2	100	---	---	---	9 x 4.4 x 2.9	3440	2895	39.6	36	2036	18.83	---
3	100	---	---	---	9.1 x 4.4 x 2.9	3515	2970	40.04	34	1902	18.35	---
4	100	---	---	---	9.2 x 4.4 x 3	3460	2980	40.48	50	2767	16.11	---
5	100	---	---	---	9.2 x 4.5 x 3	3546	3040	41.4	46	2489	16.64	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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-reports/>

- * 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.

6895
 Dr. Ubaid

To: Mr. Imran Iftikhar
 Assistant Executive Engineer-I, Central Civil Division No.1. Pak PWD, Lahore.

Project: Construction of Hajj Complex, Lahore. (M/s Hammad Raza & Co).

Our Ref. No. CL/CED/ 4599

Dated: 04-04-24

Test Specification

Your Ref. No. AEE-I/CCD/LHR/165

Dated: 09-11-23

(BS 3921)**

COMPRESSION TEST REPORT



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

Specimens received on: 20-03-24 Tested on: 04-04-24 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	MS	---	---	---	8.6 x 4.4 x 3	3715	3325	37.84	52	3078	11.73	---
2	MS	---	---	---	8.8 x 4.3 x 3	3655	3340	37.84	70	4144	9.43	---
3	MS	---	---	---	8.7 x 4.4 x 2.9	3750	3300	38.28	50	2926	13.64	---
4	MS	---	---	---	9 x 4.3 x 3	3720	3315	38.7	52	3010	12.22	---
5	MS	---	---	---	8.8 x 4.4 x 3	3695	3275	38.72	62	3587	12.82	---
6	MS	---	---	---	8.9 x 4.3 x 3	3730	3335	38.27	50	2927	11.84	---
7	MS	---	---	---	9 x 4.3 x 2.9	3610	3240	38.7	36	2084	11.42	---
8	MS	---	---	---	8.9 x 4.4 x 3.1	3740	3330	39.16	46	2631	12.31	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

- * 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.

6963
 Dr. Ubaid

To: Mr. Saeed Ahmad
 ARE (House No. C-73 Ibrahim City Khanewal) MM Pakistan (Pvt.) Ltd.

Project: Comprehensive Sewerage System in Khanewal City under Punjab Cities Program (PCP). (M/S Al-Shan Construction Company Multan)

Our Ref. No. CL/CED/ 4600

Dated: 04-04-24

Test Specification

Your Ref. No. PCP/KWL-116/2024

Dated: 29-03-24

(BS 3921)**

COMPRESSION TEST REPORT



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

Specimens received on: 29-03-24 Tested on: 04-04-24 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	1000	---	---	---	8.7 x 4.2 x 2.7	---	2670	36.54	64	3923	---	Machine Made
2	1000	---	---	---	8.7 x 4.3 x 2.9	---	2720	37.41	64	3832	---	Machine Made
3	1000	---	---	---	8.8 x 4.2 x 2.8	---	2705	36.96	44	2667	---	Machine Made
4	1000	---	---	---	8.7 x 4.3 x 2.8	---	2680	37.41	43	2575	---	Machine Made
5	1000	---	---	---	8.6 x 4.2 x 2.7	---	2740	36.12	44	2729	---	Machine Made
6	1000	---	---	---	8.7 x 4.2 x 2.8	---	2675	36.54	62	3801	---	Machine Made
7	AG	---	---	---	8.7 x 4.2 x 2.8	---	2915	36.54	40	2452	---	Machine Made
8	AG	---	---	---	8.8 x 4.2 x 2.8	---	2840	36.96	32	1939	---	Machine Made
9	AG	---	---	---	8.9 x 4.3 x 2.9	---	3115	38.27	27	1580	---	Machine Made
10	AG	---	---	---	8.8 x 4.2 x 2.9	---	2935	36.96	48	2909	---	Machine Made
11	AG	---	---	---	8.8 x 4.3 x 3	---	2920	37.84	40	2368	---	Machine Made
12	AG	---	---	---	8.8 x 4.2 x 2.9	---	3070	36.96	38	2303	---	Machine Made
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Waseem Ahmed Hashmi, R.E MMP & Mr. Muhammad Amjad Iqbal, DPO-ID-PMDFC

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

- * 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