



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.

5910
 Dr. Umbreen

To: Sub Divisional Officer
 Buildings Sub Division, Nankana Sahib

Project: Reconstruction of Dangerous Building at GGPS Rajab Tehsil & District Nankana Sahib.

Our Ref. No. CL/CED/ 2930

Dated: 15-09-23

Test Specification

Your Ref. No. 578/SDO/BS/NNS

Dated: 04-04-23

(BS 3921)**

COMPRESSION TEST REPORT



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

Specimens received on: 14-09-23 Tested on: 15-09-23 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	SR	---	---	---	8.9 x 4.4 x 2.9	---	3245	39.16	42	2402	---	---
2	SR	---	---	---	8.9 x 4.3 x 3	---	3190	38.27	44	2575	---	---
3	SR	---	---	---	9 x 4.4 x 2.9	---	3250	39.6	48	2715	---	---
4	SR	---	---	---	8.9 x 4.4 x 2.9	---	3180	39.16	48	2746	---	---
5	SR	---	---	---	9 x 4.4 x 3	---	3270	39.6	44	2489	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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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



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5910
 Dr. Umbreen

To: Sub Divisional Officer
 Building Sub Division, Nankana Sahib

Project: Reconstruction of Dangerous Building at GGPS Rajab Tehsil & District Nankana Sahib.

Our Ref. No. CL/CED/ 2931

Dated: 15-09-23

Test Specification

Your Ref. No. 739/SDO/BSO/NNS

Dated: 16-05-23

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 14-09-23 **Tested on:** 15-09-23 **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	RCC Cubes (1:2:4) Roof Slab	18	4	2023	6 x 6 x 6	---	9	36	109	6782	---	Non Engraved
2	RCC Cubes (1:2:4) Roof Slab	18	4	2023	6 x 6 x 6	---	8.6	36	62	3858	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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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



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ORIGINAL
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5854
 Dr. Umbreen

To: Mr. Mansoor Farid
 Power Solutions (Pvt.) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 2932

Dated: 15-09-23

Test Specification

Your Ref. No. Nil

Dated: 05-09-23

(----)

COMPRESSION TEST 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	Concrete Block (6000 Psi)	---	---	---	12 x 12 x 3	---	20	144	240	3733	---	Encased Steel Sheet
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

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- ** 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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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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5854
 Dr. Umbreen

To: Mr. Mansoor Farid
 Power Solutions (Pvt.) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 2933

Dated: 15-09-23

Test Specification

Your Ref. No. Nil

Dated: 05-09-23

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 05-09-23 Tested on: 15-09-23 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	Concrete Block (6000 Psi)	---	---	---	12 x 12 x 3	---	20.8	144	100	1556	---	Encased Steel Sheet
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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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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- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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5886
 Dr. Umbreen

To: Sub Divisional Officer
 Building Sub Division, Hafizabad

Project: Establishment of University of Hafizabad. (Group No.2) Construction of Academic Block.

Our Ref. No. CL/CED/ 2934

Dated: 15-09-23

Test Specification

Your Ref. No. No.98/HZ

Dated: 28-08-23

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 12/9/2023 **Tested on:** 15-09-23 **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	RCC Raft (1:2:4)	1	8	2023	6x6x6	---	9	36	93	5787	---	Non Engraved
2	RCC Raft (1:2:4)	1	8	2023	6x6x6	---	8.4	36	83	5164	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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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)
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5886
Dr. Umbreen

To: Sub Divisional Officer
Building Sub Division, Hafizabad

Project: Establishment of University of Hafizabad. (Group No.2), Construction of Academic Block.

Our Ref. No. CL/CED/ 2935

Dated: 15-09-23

Test Specification

Your Ref. No. No.97/HZ

Dated: 28-08-23

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 12/9/2023 Tested on: 15-09-23 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	RCC Raft (1:1.5:3)	1	8	2023	6x6x6	---	8.6	36	78	4853	---	Non Engraved
2	RCC Raft (1:1.5:3)	1	8	2023	6x6x6	---	8.8	36	82	5102	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

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Director/Dy. Director Concrete Laboratory



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5885
Dr. Umbreen

To: Sub Divisional Officer
Road Construction Sub Division No.2, Lahore.

Project: Rehabilitation of Road from Ferozepur Road to Punjab Society L=3 Km in District Lahore.

Our Ref. No. CL/CED/ 2936

Dated: 15-09-23

Test Specification

Your Ref. No. 2621/RCS-2

Dated: 14-06-23

(---)

COMPRESSION TEST REPORT



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

Specimens received on: 12/9/2023 Tested on: 15-09-23 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	Rectangular, Grey, 80mm	---	---	---	7.8x3.9x3.1	---	3810	30.42	93	6848	---	---
2	Rectangular, Grey, 80mm	---	---	---	7.8x3.9x3.1	---	3810	30.42	105	7732	---	---
3	Rectangular, Grey, 80mm	---	---	---	7.8x3.9x3.1	---	3765	30.42	107	7879	---	---
4	Rectangular, Grey, 80mm	---	---	---	7.8x3.9x3.1	---	3835	30.42	93	6848	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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Director/Dy. Director Concrete Laboratory



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

5850
 Dr.Umbreen

To: Engr. Hassan Mahmood
 Resident Engineer, G3 Engineering Consultants (Pvt.) Ltd.

Project: Construction of DHA Newlife Residency Apartments at 273/1 Q Block Phase-II DHA, Lahore.

Our Ref. No. CL/CED/ 2937

Dated: 15-09-23

Test Specification

Your Ref. No. G3/DHA-NLD/RE/183

Dated: 02-09-23

(BS 3921)**

COMPRESSION TEST 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	FB	---	---	---	9 x 4.3 x 3	3805	3300	38.7	28	1621	15.3	---
2	FB	---	---	---	9 x 4.4 x 3	3885	3350	39.6	34	1923	15.97	---
3	FB	---	---	---	8.9 x 4.4 x 3	3960	3435	39.16	36	2059	15.28	---
4	FB	---	---	---	9.1 x 4.4 x 3	3985	3470	40.04	40	2238	14.84	---
5	FB	---	---	---	9 x 4.3 x 3.1	3825	3320	38.7	42	2431	15.21	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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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 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.

5836
 Dr.Umbreen

To: Mr. Abuzar Saeed, SE
 Incharge, WASO Office NIBGE, Jang Road, Faisalabad.

Project: Construction of Hunarghah at NIAB Faisalabad.

Our Ref. No. CL/CED/ 2938

Dated: 15-09-23

Test Specification

Your Ref. No. WASO-PFFBD-22-598

Dated: 01-09-23

(BS 3921)**

COMPRESSION TEST REPORT



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

Specimens received on: 04-09-23 **Tested on:** 15-09-23 **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	HK	---	---	---	8.9 x 4.3 x 3	3715	3335	38.27	46	2692	11.39	---
2	HK	---	---	---	8.9 x 4.3 x 3	3690	3365	38.27	51	2985	9.66	---
3	HK	---	---	---	8.7 x 4.3 x 2.9	3625	3340	37.41	44	2635	8.53	---
4	HK	---	---	---	8.8 x 4.3 x 3	3705	3395	37.84	45	2664	9.13	---
5	HK	---	---	---	8.8 x 4.3 x 3	3735	3410	37.84	46	2723	9.53	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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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.

5781
 Dr.Umbreen

To: Sub Divisional Officer
 Buildings Sub Division No.15, Lahore.

Project: Construction of Bachelor Accommodation and Judicial Rest House at Dharampura District, Lahore.

Our Ref. No. CL/CED/ 2939

Dated: 15-09-23

Test Specification

Your Ref. No. No.3594

Dated: 21-08-23

(BS 3921)**

COMPRESSION TEST REPORT



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

Specimens received on: **24-08-23** Tested on: **15-09-23** 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	MA	---	---	---	8.8 x 4.4 x 2.8	3600	3175	38.72	44	2545	13.39	Basement-ii
2	MA	---	---	---	8.9 x 4.3 x 2.9	3960	3535	38.27	52	3044	12.02	Basement-ii
3	MA	---	---	---	8.8 x 4.4 x 2.9	3760	3320	38.72	42	2430	13.25	Basement-ii
4	MA	---	---	---	8.9 x 4.4 x 2.9	3730	3270	39.16	36	2059	14.07	Basement-ii
5	MA	---	---	---	9 x 4.3 x 2.8	3755	3340	38.7	42	2431	12.43	Basement-ii
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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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.

5781
 Dr.Umbreen

To: Sub Divisional Officer
 Buildings Sub Division No.15, Lahore.

Project: Construction of Bachelor Accommodation and Judicial Rest House at Dharampura District, Lahore.

Our Ref. No. CL/CED/ 2940

Dated: 15-09-23

Test Specification

Your Ref. No. No.3600

Dated: 21-08-23

(BS 3921)**

COMPRESSION TEST REPORT



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

Specimens received on: 24-08-23 Tested on: 15-09-23 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	MA	---	---	---	9.1 x 4.4 x 2.9	3750	3330	40.04	40	2238	12.61	2nd F. Family Block
2	MA	---	---	---	9.1 x 4.4 x 3	3735	3280	40.04	40	2238	13.87	2nd F. Family Block
3	MA	---	---	---	8.8 x 4.3 x 2.9	3760	3390	37.84	42	2486	10.91	2nd F. Family Block
4	MA	---	---	---	8.9 x 4.4 x 2.8	3660	3235	39.16	41	2345	13.14	2nd F. Family Block
5	MA	---	---	---	8.8 x 4.4 x 2.9	3660	3200	38.72	36	2083	14.38	2nd F. Family Block
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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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.

5895
Dr. Umbreen

To: Mr. Muhammad Shafiq
Resident Engineer, Construction Management Division, NESPAK (Pvt) Ltd
Project: Const. of Fatima Jinnah Institute of Dental Sciences, Lahore. Balance Works of Construction Teaching College / Academic Block, Boys and Girls Hostel & Miscellaneous Work (Group No. 02)
Our Ref. No. CL/CED/ 2941 Dated: 15/9/2023
Your Ref. No. 3016/13/MS/02/94 Dated: 31/8/2023

Test Specification
(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 12/9/2023 Tested on: 15/9/2023 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	OHWT (Shaft)	3	8	2023	6x6x6	---	8.6	36	97	6036	---	Non Engraved
2	OHWT (Shaft)	3	8	2023	6x6x6	---	8.4	36	77	4791	---	Non Engraved
3	OHWT (Shaft)	3	8	2023	6x6x6	---	8.6	36	117	7280	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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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.

5895
Dr. Umbreen

To: Mr. Muhammad Shafiq
Resident Engineer, Construction Management Division, NESPAK (Pvt) Ltd
Project: Const. of Fatima Jinnah Institute of Dental Sciences, Lahore. Balance Works of Construction Teaching College / Academic Block, Boys and Girls Hostel & Miscellaneous Work (Group No. 02)
Our Ref. No. CL/CED/ 2942 Dated: 15/9/2023
Your Ref. No. 3016/13/MS/02/53 Dated: 14/4/2023

Test Specification
(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 12/9/2023 Tested on: 15/9/2023 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	---	17	3	2023	6x6x6	---	8.8	36	125	7778	---	Non Engraved
2	---	17	3	2023	6x6x6	---	8.2	36	109	6782	---	Non Engraved
3	---	17	3	2023	6x6x6	---	8.2	36	105	6533	---	Non Engraved
4	---	6	3	2023	6x6x6	---	8.4	36	117	7280	---	Non Engraved
5	---	6	3	2023	6x6x6	---	9	36	118	7342	---	Non Engraved
6	---	6	3	2023	6x6x6	---	8.2	36	122	7591	---	Non Engraved
7	---	11	3	2023	6x6x6	---	9	36	54	3360	---	Non Engraved
8	---	11	3	2023	6x6x6	---	8.8	36	127	7902	---	Non Engraved
9	---	11	3	2023	6x6x6	---	9	36	115	7156	---	Non Engraved
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

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- ** 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



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.

5882
 Dr. Umbreen

To: Professional Construction Services (Pvt) Ltd
 Johar Town, Lahore.

Project: Construction of TCF Secondary School Basti Chan Wali Qasba Gujrat, MuzaffarGarh

Our Ref. No. CL/CED/ 2943

Dated: 15/9/2023

Test Specification

Your Ref. No. PCS/23/Eng/148

Dated: 11-09-23

(----)

COMPRESSION TEST 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	11	---	---	---	8.6 x 4.3 x 3	---	2915	36.98	38	2302	---	---
2	11	---	---	---	8.6 x 4.3 x 3	---	2845	36.98	34	2059	---	---
3	11	---	---	---	8.4 x 4.1 x 2.8	---	2625	34.44	44	2862	---	---
4	11	---	---	---	8.5 x 4.2 x 2.8	---	2860	35.7	44	2761	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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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
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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.

5831
 Dr. Umbreen

To: Mr. Munir Ahmed Nadeem
 Project Manager, Pioneer Construction & Fabrication Co.
 Project: Infrastructure & Commercial Road Works Development of Eden Abad Housing Society Pine Avenue Road Lahore.
 Our Ref. No. CL/CED/ 2944 Dated: 15/9/2023 Test Specification
 Your Ref. No. Nil Dated: 29/8/2023 (----)

COMPRESSION TEST 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	A10	---	---	---	8.7 x 4.3 x 3	---	3210	37.41	48	2874	---	---
2	A10	---	---	---	8.7 x 4.3 x 2.9	---	3215	37.41	46	2754	---	---
3	A10	---	---	---	8.7 x 4.3 x 2.9	---	3210	37.41	51	3054	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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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.

5853
 Dr. Umbreen

To: Mr. Qamar Ayoub
 Assistant Manager, Central Zone, Punjab Aab-e-Pak Authority

Project: Supply Construction, Installation of Containerized, Skid Mounted Surface Water Treatment Plant alongwith Solar and Scada Systems at Rural Area of Distt. Kasur (Phase-II) by Punjab Aab-e-Pak Authority.
 Our Ref. No. CL/CED/ 2945 Dated: 15/9/2023

Your Ref. No. PAPA/AM(P&MC)/CZ/132

Dated: 04-09-23

Test Specification
 (BS 3921**)

COMPRESSION TEST 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	T33	---	---	---	8.9 x 4.3 x 2.8	3525	3100	38.27	40	2341	13.71	---
2	T33	---	---	---	8.7 x 4.3 x 2.8	3445	3110	37.41	36	2156	10.77	---
3	T33	---	---	---	8.7 x 4.3 x 2.9	3580	3170	37.41	31	1856	12.93	---
4	T33	---	---	---	8.9 x 4.4 x 3	3840	3390	39.16	36	2059	13.27	---
5	T33	---	---	---	8.8 x 4.3 x 3	3645	3260	37.84	44	2605	11.81	---
6	T33	---	---	---	8.7 x 4.3 x 3	3545	3200	37.41	38	2275	10.78	---
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.

5857
 Dr. Umbreen

To: Mr. Abid Ullah, Deputy Team Leader/R.E/ Project Manager PRSWSS Project-North
 Techno-Consult International (Pvt.) Ltd.

Project: Construction of Water Supply and Sewerage System in Kallar Kahar. (Contractor: M/S Tayyab Manzoor Tarar Pvt. Ltd.)

Our Ref. No. CL/CED/ 2946

Dated: 15/9/2023

Test Specification

Your Ref. No. TC/PRSWSSP-North/Phase 1/022

Dated: 17/8/2023

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 05-09-23 **Tested on:** 15/9/2023 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	777	---	---	---	8.7 x 4.3 x 2.8	3095	2510	37.41	42	2515	23.31	---
2	777	---	---	---	8.5 x 4.2 x 2.7	2915	2430	35.7	38	2384	19.96	---
3	777	---	---	---	8.6 x 4 x 2.7	2875	2395	34.4	58	3777	20.04	---
4	777	---	---	---	8.7 x 4.2 x 2.8	3064	2565	36.54	44	2697	19.45	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory