



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.

180
 Dr. Umbreen

To: Resident Engineer
 WT Zone, NESPAK (Pvt) Ltd. EPHE Division. (M/S Al Riaz Civil Engineering Services (Pvt.) Ltd)

Project: Improvement of Water Supply/Sewerage System in Lakhodher UC-174 Wahga Zone Lahore.

Our Ref. No. CL/CED/ 9620

Dated: 03/10/2025

Test Specification

Your Ref. No. 4891/WASA/WT/RE/LAB/91

Dated: 01/09/2025

(BS 3921)**

COMPRESSION TEST REPORT



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

Specimens received on: 19/09/2025 Tested on: 03/10/2025 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	SP	---	---	---	8.9 x 4.3 x 3	3315	2940	38.27	50	2927	12.76	---
2	SP	---	---	---	9 x 4.3 x 3	3420	2960	38.7	36	2084	15.54	---
3	SP	---	---	---	8.6 x 4.3 x 2.9	3555	3160	36.98	28	1696	12.5	---
4	SP	---	---	---	9 x 4.3 x 3	4065	3680	38.7	42	2431	10.46	---
5	SP	---	---	---	8.9 x 4.3 x 2.8	3400	3135	38.27	28	1639	8.45	---
6	SP	---	---	---	8.9 x 4.3 x 2.9	3415	3050	38.27	28	1639	11.97	---
7	39	---	---	---	9 x 4.4 x 3	3425	2945	39.6	38	2149	16.3	---
8	39	---	---	---	8.9 x 4.3 x 3	3465	3045	38.27	32	1873	13.79	---
9	39	---	---	---	9 x 4.3 x 3	3450	3055	38.7	26	1505	12.93	---
10	39	---	---	---	9 x 4.3 x 2.9	3530	3120	38.7	32	1852	13.14	---
11	39	---	---	---	9 x 4.3 x 2.9	3480	3160	38.7	24	1389	10.13	---
12	39	---	---	---	9 x 4.3 x 2.9	3420	3090	38.7	28	1621	10.68	---
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)
- 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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 Dr. Umbreen

To: Resident Engineer
 WT Zone, NESPAK (Pvt) Ltd. EPHE Division. (M/S Al Riaz Civil Engineering Services (Pvt.) Ltd)
 Project: Improvement of Water Supply/Sewerage System in Jallo Wana & Khairan UC-183 Wagha Zone Lahore.
 Our Ref. No. CL/CED/ 9621 Dated: 03/10/2025
 Your Ref. No. 4891/WASA/WT/RE/Lab-106 Dated: 01/09/2025

Test Specification
 (BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: **19/09/2025** Tested on: **03/10/2025** 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	SP	---	---	---	8.9 x 4.3 x 3	3475	3090	38.27	34	1990	12.46	---
2	SP	---	---	---	8.8 x 4.3 x 2.9	3480	3060	37.84	36	2131	13.73	---
3	SP	---	---	---	8.9 x 4.3 x 3	3375	3000	38.27	38	2224	12.5	---
4	SP	---	---	---	8.9 x 4.3 x 3	3505	3120	38.27	32	1873	12.34	---
5	SP	---	---	---	8.8 x 4.3 x 2.9	3235	2850	37.84	28	1658	13.51	---
6	SP	---	---	---	8.8 x 4.3 x 3	3425	3030	37.84	37	2190	13.04	---
7	39	---	---	---	8.9 x 4.3 x 3	3580	3120	38.27	35	2049	14.74	---
8	39	---	---	---	8.9 x 4.3 x 3	3450	3075	38.27	30	1756	12.2	---
9	39	---	---	---	8.8 x 4.3 x 3	3500	3255	37.84	24	1421	7.53	---
10	39	---	---	---	8.9 x 4.3 x 3	3565	3190	38.27	35	2049	11.76	---
11	39	---	---	---	8.8 x 4.3 x 3	3490	3075	37.84	26	1539	13.5	---
12	39	---	---	---	8.7 x 4.3 x 3	3410	2980	37.41	22	1317	14.43	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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 Dr. Umbreen

To: Resident Engineer
 WT Zone, NESPAK (Pvt) Ltd. EPHE Division. (M/S Al Riaz Civil Engineering Services (Pvt.) Ltd)

Project: Improvement of Water Supply/Sewerage System in Momin Pura UC-175 Wagha Zone Lahore.

Our Ref. No. CL/CED/ 9622

Dated: 03/10/2025

Test Specification

Your Ref. No. 4891/WASA/WT/RE/Lab-99

Dated: 01/09/2025

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 19/09/2025 **Tested on:** 03/10/2025 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	SP	---	---	---	8.9 x 4.3 x 2.9	3330	2960	38.27	37	2166	12.5	---
2	SP	---	---	---	8.8 x 4.3 x 3	3490	3130	37.84	30	1776	11.5	---
3	SP	---	---	---	8.9 x 4.3 x 2.9	3365	2990	38.27	39	2283	12.54	---
4	SP	---	---	---	8.8 x 4.3 x 3	3335	2980	37.84	38	2249	11.91	---
5	SP	---	---	---	8.9 x 4.3 x 3	3260	2990	38.27	26	1522	9.03	---
6	SP	---	---	---	8.9 x 4.3 x 3	3355	2980	38.27	38	2224	12.58	---
7	39	---	---	---	8.8 x 4.3 x 3	3510	3100	37.84	31	1835	13.23	---
8	39	---	---	---	8.8 x 4.3 x 2.9	3355	3000	37.84	28	1658	11.83	---
9	39	---	---	---	8.9 x 4.3 x 2.9	3490	2960	38.27	32	1873	17.91	---
10	39	---	---	---	8.8 x 4.3 x 2.9	3370	3000	37.84	31	1835	12.33	---
11	39	---	---	---	8.8 x 4.3 x 2.8	3520	3060	37.84	28	1658	15.03	---
12	39	---	---	---	8.8 x 4.3 x 2.8	3465	3100	37.84	33	1953	11.77	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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252
 Dr. Umbreen

To: Mr. Husnain Ali
 Resident Engineer, MASCON Associates (Pvt) Ltd. In Association with HA Consulting

Project: Construction of Sahulat on the Go Bazar Kotha Pind Lahore.

Our Ref. No. CL/CED/ 9623

Dated: 03/10/2025

Test Specification

Your Ref. No. SOGB-RE/KOT-F/001

Dated: 19/09/2025

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 29/09/2025 **Tested on:** 03/10/2025 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	M	---	---	---	8.8 x 4.3 x 3	---	2945	37.84	28	1658	---	---
2	M	---	---	---	8.9 x 4.3 x 3	---	2960	38.27	30	1756	---	---
3	M	---	---	---	8.8 x 4.3 x 2.9	---	2865	37.84	40	2368	---	---
4	M	---	---	---	8.9 x 4.3 x 3	---	2915	38.27	24	1405	---	---
5	M	---	---	---	8.9 x 4.3 x 3	---	2990	38.27	32	1873	---	---
6	M	---	---	---	8.9 x 4.3 x 3	---	2960	38.27	20	1171	---	---
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
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266
 Dr. Umbreen

To: Assistant Engineer-III
 Pakistan Railways, Lahore (M/S Al Sharif Construction Company)

Project: Track Machine Shop Mughalpura

Our Ref. No. CL/CED/ 9624

Dated: 03/10/2025

Test Specification

Your Ref. No. E-2/SDC-III/um/TM/MGPR/2024

Dated: 30/09/2025

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 01/10/2025 **Tested on:** 03/10/2025 **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	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3940	29.64	136	10278	---	---
2	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3955	29.64	132	9976	---	---
3	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3940	29.64	132	9976	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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-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
- **** AC1318-08 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

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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273
 Dr. Umbreen

To: Mr. Naeem Ayub
 Manager Procurement, Nishat Dairy Pvt. Ltd.

Project: Nil

Our Ref. No. CL/CED/ 9625

Dated: 03/10/2025

Test Specification

Your Ref. No. Nil

Dated: 02/10/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 02/10/2025 **Tested on:** 03/10/2025 **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	---	16	9	2025	6x6x6	---	8.6	36	68	4231	---	Non Engraved
2	---	16	9	2025	6x6x6	---	8.8	36	82	5102	---	Non Engraved
3	---	17	9	2025	6x6x6	---	8.4	36	70	4356	---	Engraved
4	---	17	9	2025	6x6x6	---	8.8	36	96	5973	---	Engraved
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
- **** AC1318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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Director/Dy. Director Concrete Laboratory



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242
 Dr. Umbreen

To: Resident Engineer
 Engineering Consultancy Services Punjab (Pvt) Limited

Project: Construction of One Multistorey Building for Residences Grade 11-14 for Staff Colony at Chauburji Graden Estate, Multan Road Lahore (Group No.1)

Our Ref. No. CL/CED/ 9626

Dated: 03/10/2025

Test Specification

Your Ref. No. ECSP/429/CMB/RE/12

Dated: 11/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 29/09/2025 Tested on: 03/10/2025 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 Ground Floor	13	8	2025	6Diax12	---	13	28.28	64	5069	---	Non Engraved
2	RCC Ground Floor	13	8	2025	6Diax12	---	13.4	28.28	48	3802	---	Non Engraved
3	RCC Ground Floor	13	8	2025	6Diax12	---	13	28.28	46	3644	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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