



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.

8610
Dr. Umbreen

To: Mr. M. Mazhar Maqbool
G.M. (Planning & Admin), Kraftcon (Pvt) Limited

Project: BIO MASS BOILER AT AZGARD-9 LIMITED, MANGA MANDI.

Our Ref. No. CL/CED/ 7003

Dated: 1/9/2025

Test Specification

Your Ref. No. kpl/25/012

Dated: 1/8/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 1/8/2025 Tested on: 1/9/2025 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	Concrete Type C26	31	12	2024	6x6x6	---	8.6	36	58	3609	---	Non Engraved
2	Concrete Type C26	31	12	2024	6x6x6	---	8.6	36	50	3111	---	Non Engraved
3	Concrete Type C26	31	12	2024	6x6x6	---	8.6	36	48	2987	---	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

University of Engineering and Technology, Lahore, Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL

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8574

Dr. Umbreen

To: Mr. Rashid Kamran
Resident Engineer, Construction Management Division. NESPAK (Pvt.) Ltd.

Project: Nil (Contractor: "FWO")

Our Ref. No. CL/CED/ 7004

Dated: 1/9/2025

Test Specification

Your Ref. No. 4792/13/RK/05/04

Dated: 12/18/2024

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 12/20/2024 Tested on: 12/9/2025 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	ND	---	---	---	8.8 x 4.4 x 3.1	3895	3455	38.72	40	2314	12.74	---
2	ND	---	---	---	8.8 x 4.3 x 3	3610	3220	37.84	42	2486	12.11	---
3	ND	---	---	---	8.9 x 4.3 x 3	3760	3350	38.27	34	1990	12.24	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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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



Plain and Reinforced Concrete Laboratory

Civil Engineering Department

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ORIGINAL

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8593

Dr. Umbreen

To: Mr. Arfan Nazir
Manager Civil, Nishat Mills Limited, 22 km off Ferozepur Road, 5-km Nishat Avenue, Lahore.

Project: Construction of Corduroy Building & ETP Modification (First Floor Slab)

Our Ref. No. CL/CED/ 7005

Dated: 1/9/2025

Test Specification

Your Ref. No. NDF/CB/005

Dated: 1/6/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 1/7/2025 Tested on: 1/9/2025 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	C-20 (+219.260)	31	12	2024	6x6x6	---	8.4	36	84	5227	---	Non Engraved
2	C-20 (+219.260)	31	12	2024	6x6x6	---	8.8	36	72	4480	---	Non Engraved
3	C-20 (+219.260)	31	12	2024	6x6x6	---	8.8	36	74	4604	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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8593

Dr. Umbreen

To: Mr. Arfan Nazir
Manager Civil, Nishat Mills Limited, 22 km off Ferozepur Road, 5-km Nishat Avenue, Lahore

Project: Construction of Corduroy Building & ETP Modification (Columns Grid 5/A, 5'/A)

Our Ref. No. CL/CED/ 7006

Dated: 1/9/2025

Test Specification

Your Ref. No. NDF/CB/006

Dated: 1/6/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 1/7/2025 Tested on: 1/9/2025 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	C-30	5	12	2024	6x6x6	---	8.8	36	82	5102	---	Non Engraved
2	C-30	5	12	2024	6x6x6	---	9	36	80	4978	---	Non Engraved
3	C-30	5	12	2024	6x6x6	---	9	36	100	6222	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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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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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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL

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8446

Dr. Umbreen

To: Sub Divisional Officer
Buildings Sub Division No. 5, Lahore

Project: Renovation of Kulit ul Binnat College Lahore

Our Ref. No. CL/CED/ 7007

Dated: 1/9/2025

Test Specification

Your Ref. No. 4381/5th

Dated: 12/10/2024

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 17/12/2024 Tested on: 1/9/2025 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	RB	---	---	---	8.9 x 4.3 x 2.9	3645	3010	38.27	35	2049	21.1	---
2	RB	---	---	---	8.9 x 4.3 x 2.9	3690	3105	38.27	38	2224	18.84	---
3	RB	---	---	---	9 x 4.2 x 2.8	3565	2855	37.8	27	1600	24.87	---
4	RB	---	---	---	9 x 4.3 x 2.9	3555	2840	38.7	23	1331	25.18	---
5	RB	---	---	---	8.9 x 4.3 x 2.9	3565	2830	38.27	25	1463	25.97	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

- * as engraved on the specimens (if any)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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Civil Engineering Department

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ORIGINAL
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8471
Dr. Umbreen

To: Mr. Muhammad Aman Ullah
Resident Engineer, Construction Management Division, NESPAK (Pvt) Ltd

Project: Construction of Missing Link in Block- (J & F) Jinnah Sector, LDA City.

Our Ref. No. CL/CED/ 7008

Dated: 1/9/2025

Test Specification

Your Ref. No. 4047/13/MA/04/404

Dated: 10/2/2024

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 20/12/2024 Tested on: 1/9/2025 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	M	---	---	---	8.8 x 4.3 x 3	3795	3390	37.84	43	2545	11.95	---
2	M	---	---	---	8.8 x 4.3 x 3	3755	3360	37.84	46	2723	11.76	---
3	M	---	---	---	8.8 x 4.3 x 3	3680	3415	37.84	42	2486	7.76	---
4	M	---	---	---	8.9 x 4.3 x 3	3720	3335	38.27	40	2341	11.54	---
5	M	---	---	---	8.9 x 4.3 x 3	3770	3340	38.27	36	2107	12.87	---
6	M	---	---	---	8.7 x 4.2 x 2.9	3630	3325	36.54	44	2697	9.17	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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Director/Dy. Director Concrete Laboratory



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Civil Engineering Department

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ORIGINAL
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8551
Dr. Umbreen

To: Engr. Ghulam Rasool
Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd

Project: Rehabilitation / Improvement of Streets (P.C.C.) Sewerage / Drainage UC-244 Nishtar Zone MCL

Our Ref. No. CL/CED/ 7009

Dated: 1/9/2025

Test Specification

Your Ref. No. 103/LDP/NZ/04/46

Dated: 31/12/2024

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 1/1/2025 Tested on: 1/9/2025 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	ABC	---	---	---	8.8 x 4.2 x 3	3460	3095	36.96	44	2667	11.79	---
2	ABC	---	---	---	8.8 x 4.2 x 2.9	3455	3125	36.96	44	2667	10.56	---
3	ABC	---	---	---	8.7 x 4.3 x 3	3440	3000	37.41	28	1677	14.67	---
4	ABC	---	---	---	8.7 x 4.3 x 3	3540	3085	37.41	44	2635	14.75	---
5	ABC	---	---	---	8.6 x 4.3 x 2.9	3445	3055	36.98	42	2544	12.77	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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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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8441
Dr. Umbreen

To: Sub Division Officer
Buildings Sub Division No. 19, Lahore

Project: Establishment of Fatima Jinnah Institute of Dental Sciences Jubilee Town, Lahore (ADP No. 305 for the Year 2024-25) "Balance work of Construction of Teaching College/ Academic Block, Boys & Girls Hostel & Our Ref. No. CL/CED/ 7010

Dated: 1/9/2025

Test Specification

Your Ref. No. No. 1739

Dated: 30/11/2024

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 16/12/2024 Tested on: 1/9/2025 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	No. 1	---	---	---	9 x 4.4 x 3.2	4025	3495	39.6	42	2376	15.16	---
2	No. 1	---	---	---	9 x 4.3 x 3.1	4015	3470	38.7	40	2315	15.71	---
3	No. 1	---	---	---	9 x 4.4 x 3.1	4070	3495	39.6	32	1810	16.45	---
4	No. 1	---	---	---	9 x 4.5 x 3	4005	3455	40.5	24	1327	15.92	---
5	No. 1	---	---	---	9 x 4.4 x 3	4080	3515	39.6	40	2263	16.07	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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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"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