



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.

8255

Dr. M. Yousaf

To: **SHEIKH MAQBOOL**
Resident Engineer (4521), Highways and Transportation Engineering Division. NESPAK (Pvt) Ltd.

Project: Renovation of Gaddafi Stadium Lahore.

Our Ref. No. CL/CED/ 6616

Dated: 02-12-24

Test Specification

Your Ref. No. RE/4521/04/MH/53

Dated: 04-11-24

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 18-11-24 Tested on: 02-12-24 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	RZ	---	---	---	8.9 x 4.3 x 3	3840	3520	38.27	44	2575	9.09	---
2	RZ	---	---	---	8.8 x 4.3 x 3	3790	3485	37.84	42	2486	8.75	---
3	RZ	---	---	---	8.8 x 4.3 x 3	3700	3385	37.84	25	1480	9.31	---
4	RZ	---	---	---	8.8 x 4.3 x 3	3815	3450	37.84	42	2486	10.58	---
5	RZ	---	---	---	8.8 x 4.3 x 3	3810	3460	37.84	48	2841	10.12	---
6	RZ	---	---	---	8.9 x 4.3 x 3.1	3850	3545	38.27	44	2575	8.6	---
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
- **** 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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Civil Engineering Department

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8257

Dr. M. Yousaf

To: Mr. Muhammad Hassan Khan
Resident Engineer, Highways and Transportation Engineering Division. NESPAK (Pvt) Ltd.

Project: Construction of Road from GAGA Village to BRB Canal.

Our Ref. No. CL/CED/ 6617

Dated: 02-12-24

Test Specification

Your Ref. No. 3772/103/MHK/ADP/GAGA-(MIC)/11

Dated: 13-11-24

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 18-11-24 Tested on: 02-12-24 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	AM	---	---	---	9 x 4.4 x 3	---	3410	39.6	40	2263	---	---
2	AM	---	---	---	8.8 x 4.3 x 2.9	---	3300	37.84	41	2427	---	---
3	AM	---	---	---	9 x 4.4 x 3	---	3445	39.6	39	2206	---	---
4	AM	---	---	---	9 x 4.4 x 3	---	3595	39.6	40	2263	---	---
5	AM	---	---	---	8.9 x 4.3 x 3	---	3380	38.27	41	2400	---	---
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
- **** 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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8327

Dr. M. Yousaf

To: Mr. WAQAS ASIF
DIRECTOR, ICON CONSTRUCTION SERVICES.

Project: Construction of Fauzia and Harris Residence at Green Ford, Lahore.

Our Ref. No. CL/CED/ 6618

Dated: 02-12-24

Test Specification

Your Ref. No. Nil

Dated: 29-11-24

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 29-11-24 Tested on: 02-12-24 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 Solid Block	---	---	---	12 x 7.9 x 8	---	28	94.8	90	2127	---	---
2	Concrete Solid Block	---	---	---	12 x 8 x 8	---	28	96	71	1657	---	---
3	Concrete Solid Block	---	---	---	12 x 8 x 8	---	28.2	96	113	2637	---	---
4	Concrete Solid Block	---	---	---	12 x 3.9 x 8	---	14	46.8	42	2010	---	---
5	Concrete Solid Block	---	---	---	12 x 4 x 8	---	13.8	48	44	2053	---	---
6	Concrete Solid Block	---	---	---	12 x 4 x 8	---	13.4	48	42	1960	---	---
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/>

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- *** 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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8238

Dr. M. Yousaf

To: Mr. Sohaib Awais
Resident Engineer, Construction Management Division. NESPAK (Pvt) Ltd.

Project: Infrastructure Development at NATT KALAN Village. (M/s. Al Saif Construction Pvt. Ltd.)

Our Ref. No. CL/CED/ 6619-1 of 2

Dated: 02-12-24

Test Specification

Your Ref. No. NKV/13/SA/04/01

Dated: 30-10-24

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 14-11-24 Tested on: 02-12-24 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	29	---	---	---	8.8 x 4.3 x 3.1	3900	3495	37.84	40	2368	11.59	---
2	29	---	---	---	8.8 x 4.2 x 3	3730	3465	36.96	44	2667	7.65	---
3	29	---	---	---	8.9 x 4.3 x 3	3705	3340	38.27	40	2341	10.93	---
4	29	---	---	---	8.9 x 4.3 x 3	3830	3405	38.27	34	1990	12.48	---
5	29	---	---	---	8.8 x 4.3 x 3.1	3825	3490	37.84	32	1894	9.6	---
6	29	---	---	---	8.8 x 4.3 x 2.9	3710	3450	37.84	42	2486	7.54	---
7	29	---	---	---	8.8 x 4.3 x 3	3835	3495	37.84	40	2368	9.73	---
8	29	---	---	---	8.8 x 4.2 x 3	3630	3270	36.96	44	2667	11.01	---
9	29	---	---	---	8.9 x 4.3 x 3	3720	3360	38.27	43	2517	10.71	---
10	29	---	---	---	8.9 x 4.3 x 3	3715	3415	38.27	40	2341	8.78	---
11	29	---	---	---	9 x 4.3 x 3	3885	3500	38.7	30	1736	11	---
12	29	---	---	---	8.9 x 4.2 x 3	3635	3480	37.38	46	2757	4.45	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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Dr. M. Yousaf

To: Mr. Sohaib Awais
Resident Engineer, Construction Management Division. NESPAK (Pvt) Ltd.

Project: Infrastructure Development at NATT KALAN Village. (M/s. Al Saif Construction Pvt. Ltd.)

Our Ref. No. CL/CED/ 6619-2 of 2

Dated: 02-12-24

Test Specification

Your Ref. No. NKV/13/SA/04/01

Dated: 30-10-24

(BS 3921**)

COMPRESSION TEST REPORT



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

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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	MC	---	---	---	8.9 x 4.3 x 3	3705	3235	38.27	38	2224	14.53	---
2	MC	---	---	---	8.8 x 4.3 x 3	3635	3165	37.84	34	2013	14.85	---
3	MC	---	---	---	8.8 x 4.3 x 3	3595	3145	37.84	25	1480	14.31	---
4	MC	---	---	---	9 x 4.3 x 3	3680	3205	38.7	33	1910	14.82	---
5	MC	---	---	---	9 x 4.3 x 3	3665	3170	38.7	30	1736	15.62	---
6	MC	---	---	---	8.9 x 4.3 x 2.9	3610	3195	38.27	40	2341	12.99	---
7	MC	---	---	---	8.8 x 4.3 x 3	3640	3175	37.84	33	1953	14.65	---
8	MC	---	---	---	8.9 x 4.3 x 2.9	3530	3070	38.27	34	1990	14.98	---
9	MC	---	---	---	9 x 4.3 x 3	3610	3260	38.7	41	2373	10.74	---
10	MC	---	---	---	8.9 x 4.3 x 3	3750	3195	38.27	25	1463	17.37	---
11	MC	---	---	---	9 x 4.3 x 3	3630	3210	38.7	39	2257	13.08	---
12	MC	---	---	---	8.9 x 4.3 x 3	3655	3180	38.27	29	1697	14.94	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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8328

Dr. M.Yousaf

To: Mr. Tanveer Humayun
A.Architect, Fortress Square Mall Management

Project: Extension of Top Roof at Fortress Square Mall, Lahore

Our Ref. No. CL/CED/ 6620

Dated: 02-12-24

Test Specification

Your Ref. No. Fs/Rcc/11/09

Dated: 27-11-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 29-11-24 Tested on: 02-12-24 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	Column at Grid K/8, L/7 (4000 Psi)	16	11	2024	6x6x6	---	8.2	36	47	2924	---	Engraved
2	Column at Grid K/8, L/7 (4000 Psi)	16	11	2024	6x6x6	---	8.4	36	60	3733	---	Engraved
3	Column at Grid K/8, L/7 (4000 Psi)	16	11	2024	6x6x6	---	8.6	36	51	3173	---	Engraved
4	Column at Grid L/8, E/3.7, 4ksi	19	11	2024	6x6x6	---	8.8	36	65	4044	---	Engraved
5	Column at Grid L/8, E/3.7, 4ksi	19	11	2024	6x6x6	---	8.6	36	77	4791	---	Engraved
6	Column at Grid L/8, E/3.7, 4ksi	19	11	2024	6x6x6	---	8.2	36	64	3982	---	Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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8316

Dr. M.Yousaf

To: Mr. Mauzzam Shaukat
Muhammad Younis Construction Company

Project: Construction of House No. 59-A, DHA Phase 8-Ex Park View

Our Ref. No. CL/CED/ 6621

Dated: 02-12-24

Test Specification

Your Ref. No. Nil

Dated: 28-11-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 29-11-24 Tested on: 02-12-24 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	Basement Slab	25	10	2024	6x6x6	---	8	36	85	5289	---	Engraved
2	Basement Slab	25	10	2024	6x6x6	---	7.6	36	83	5164	---	Engraved
3	Basement Slab	25	10	2024	6x6x6	---	8.4	36	75	4667	---	Engraved
4	Basement Slab	25	10	2024	6x6x6	---	8.2	36	73	4542	---	Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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8314
 Engr. A. Rehman

To: Mr. Ali Raza Amin
 Site Supervisor, FAIRMAY INVESTMENTS, Gulberg-III, Lahore.

Project: Nil

Our Ref. No. CL/CED/ 6622

Your Ref. No. Nil

Dated: 02-12-24

Dated: 28-11-24

Test Specification

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 28-11-24 Tested on: 02-12-24 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	---	26	9	2024	6Diax12	---	13.4	28.28	68	5386	---	Non Engraved
2	---	26	9	2024	6Diax12	---	13.6	28.28	66	5228	---	Non Engraved
3	---	26	9	2024	6Diax12	---	14	28.28	58	4594	---	Non Engraved
4	---	29	9	2024	6Diax12	---	13.6	28.28	54	4277	---	Non Engraved
5	---	29	9	2024	6Diax12	---	14	28.28	90	7129	---	Non Engraved
6	---	29	9	2024	6Diax12	---	14.4	28.28	50	3960	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Faisal Mushtaq CNIC # 36302-0941946-9 & Mr. Ali Raza Amin CNIC # 31102-8259544-3

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