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.

8978
Dr. M. Yousaf

To: Resident Engineer (GB Zone)
EPHE Division, NESPAK (Pvt) Ltd.

Project: Improvement of Water Supply / Sewerage Syatem in UC-52 Data Gunj Baksh Zone, Lahore.

Our Ref. No. CL/CED/ 7569 **Dated:** 03/03/2025 **Test Specification**

Your Ref. No. LDP/GB-WASA/43101-08 **Dated:** 01/01/2025 (----)

COMPRESSION TEST REPORT

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

Specimens received on: 24/02/2025 **Tested on:** 03/03/2025 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	RB	---	---	---	8.8 x 4.3 x 3	3690	3265	37.84	34	2013	13.02	---
2	RB	---	---	---	8.9 x 4.3 x 2.9	3595	3190	38.27	46	2692	12.7	---
3	RB	---	---	---	9 x 4.3 x 3	3735	3300	38.7	39	2257	13.18	---
4	RB	---	---	---	9 x 4.4 x 3	3690	3250	39.6	30	1697	13.54	---
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/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compresssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

8905
Dr. M. Yousaf

To: Mr. M. Azhar Akhtar
Resident Engineer, NESPAK (Pvt) Ltd. JV Turkpak International (Pvt) Ltd.

Project: Construction of New GOR Near DHA Phase-IX, Lahore.

Our Ref. No. CL/CED/ 7570 **Dated:** 03/03/2025 **Test Specification**

Your Ref. No. 4769/13/MAA/24/101 **Dated:** 29/01/2025 (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 13/02/2025 **Tested on:** 03/03/2025 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	ZS	---	---	---	9 x 4.4 x 3	3745	3330	39.6	34	1923	12.46	---
2	ZS	---	---	---	9 x 4.3 x 3	3790	3350	38.7	42	2431	13.13	---
3	ZS	---	---	---	8.9 x 4.4 x 3	3800	3375	39.16	40	2288	12.59	---
4	ZS	---	---	---	9 x 4.3 x 2.9	3670	3270	38.7	47	2720	12.23	---
5	ZS	---	---	---	8.9 x 4.5 x 3	3740	3300	40.05	42	2349	13.33	---
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/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

8942
Dr. M. Yousaf

To: Mr. Abid Azam
Resident Engineer, Ravi Zone, Highways & Transportation Engineering Division, NESPAK (Pvt) Ltd.

Project: Rehabilitation / Improvement of Roads Dhairr, Rasool Park, Siraj Park, Paracha Colony, Qazi Park, Ghoray Shah, Jhalaran & Narowal Road, Shahdara, UC-11&12, Ravi Zone MCL.

Our Ref. No. CL/CED/ 7571 Dated: 03/03/2025 **Test Specification**

Your Ref. No. 4084/103/LDP/Ravi/04/168 Dated: 11/02/2025 (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 18/02/2025 **Tested on:** 03/03/2025 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	M	---	---	---	9 x 4.2 x 2.9	3785	3335	37.8	29	1719	13.49	---
2	M	---	---	---	9 x 4.4 x 2.8	3705	3235	39.6	27	1527	14.53	---
3	M	---	---	---	8.8 x 4.3 x 2.9	3730	3275	37.84	37	2190	13.89	---
4	M	---	---	---	9 x 4.3 x 3	3785	3345	38.7	34	1968	13.15	---
5	M	---	---	---	9 x 4.3 x 3	3865	3430	38.7	31	1794	12.68	---
6	M	---	---	---	8.8 x 4.3 x 3	3760	3315	37.84	40	2368	13.42	---
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/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2.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.

8881
Dr. M. Yousaf

To: Mr. Abid Azam
Resident Engineer, Ravi Zone, Highways & Transportation Engineering Division, NESPAK (Pvt) Ltd

Project: Rehabilitation / Improvement of Roads in UC No. 16, 19, 20 & 21 in RAVI ZONE MCL.

Our Ref. No. CL/CED/ 7572 Dated: 03/03/2025 **Test Specification**

Your Ref. No. 4084/103/LDP/Ravi/04/152 Dated: 06/02/2025 (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 11/02/2025 **Tested on:** 03/03/2025 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	AB	---	---	---	9 x 4.3 x 3	3855	3390	38.7	27	1563	13.72	---
2	AB	---	---	---	8.8 x 4.3 x 2.9	3805	3400	37.84	37	2190	11.91	---
3	AB	---	---	---	9 x 4.4 x 3	3705	3530	39.6	27	1527	4.96	---
4	AB	---	---	---	9 x 4.3 x 3	3970	3515	38.7	28	1621	12.94	---
5	AB	---	---	---	9 x 4.4 x 3	4000	3575	39.6	30	1697	11.89	---
6	AB	---	---	---	9 x 4.3 x 2.9	3830	3415	38.7	33	1910	12.15	---
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/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

8881
Dr. M. Yousaf

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

Project: Rehabilitation / Improvement / Patch Work on Link Road UC-42,43,44,46,47 & UC-164,165,166,167 Shalamar Zone Pahse-II (Scheme # 16 & 19)

Our Ref. No. CL/CED/ 7573 Dated: 03/03/2025 Test Specification

Your Ref. No. 4084/103/LDP/SMZ (S-16&19)/04/19 Dated: 18/01/2025 (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 11/02/2025 Tested on: 03/03/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	S	---	---	---	8.8 x 4.2 x 2.9	3305	2785	36.96	22	1333	18.67	---
2	S	---	---	---	8.8 x 4.2 x 2.8	3245	2765	36.96	23	1394	17.36	---
3	S	---	---	---	8.8 x 4.3 x 2.9	3335	2850	37.84	26	1539	17.02	---
4	S	---	---	---	8.5 x 4.1 x 2.8	3150	2725	34.85	38	2442	15.6	---
5	S	---	---	---	8.8 x 4.3 x 2.7	3370	2825	37.84	18	1066	19.29	---
6	S	---	---	---	8.7 x 4.2 x 2.8	3320	2820	36.54	20	1226	17.73	---
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/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2.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.

8881
Dr. M. Yousaf

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

Project: Scheme # 13 Rehabilitation / Improvement of Road Nadia Ghee Mill Rasheedpura Road Shalamar Zone Phase-II.

Our Ref. No. CL/CED/ 7574 Dated: 03/03/2025 Test Specification

Your Ref. No. 4084/103/LDP/SMZ (S-13)/04/19 Dated: 14/01/2025 (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 11/02/2025 Tested on: 03/03/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	S	---	---	---	8.5 x 4.1 x 2.7	3325	2795	34.85	24	1543	18.96	---
2	S	---	---	---	8.6 x 4.2 x 2.8	3175	2695	36.12	24	1488	17.81	---
3	S	---	---	---	8.6 x 4.2 x 2.7	3235	2755	36.12	23	1426	17.42	---
4	S	---	---	---	8.5 x 4.2 x 2.7	3270	2765	35.7	37	2322	18.26	---
5	S	---	---	---	8.6 x 4.2 x 2.7	3195	2715	36.12	23	1426	17.68	---
6	S	---	---	---	8.7 x 4 x 2.8	3170	2695	34.8	41	2639	17.63	---
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/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2.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.

8986
Dr. M. Yousaf

To: Mr. M. Zaki
Resident Engineer, Highways & Transportation Engineering Division, NESPAK (Pvt) Ltd.

Project: Rehabilitation / Improvement of Streets PCC, Sewerage / Drainage of UC 69,81,198,199 Data Gunj Bukhsh Zone MCL.

Our Ref. No. CL/CED/ 7575 Dated: 03/03/2025 Test Specification

Your Ref. No. 4084/103/LDP/DGBT/04/46 Dated: 06/02/2025 (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 25/02/2025 Tested on: 03/03/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3	---	3605	29.64	100	7557	---	---
2	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3	---	3740	29.64	115	8691	---	---
3	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3	---	3645	29.64	109	8238	---	---
4	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3	---	3620	29.64	95	7179	---	---
5	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3	---	3675	29.64	116	8767	---	---
6	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3	---	3695	29.64	112	8464	---	---
7	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3	---	3660	29.64	99	7482	---	---
8	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3	---	3885	29.64	104	7860	---	---
9	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3	---	3615	29.64	94	7104	---	---
10	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3	---	3635	29.64	119	8993	---	---
11	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3	---	3630	29.64	109	8238	---	---
12	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3	---	3620	29.64	111	8389	---	---
13	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3	---	3600	29.64	105	7935	---	---
14	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3	---	3585	29.64	105	7935	---	---
15	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3	---	3675	29.64	103	7784	---	---
16	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3	---	3630	29.64	110	8313	---	---

Witnessed by:

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2.The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**