



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

320

To: **Brig. Saeed Ahmed Malik (SI M, R) (Resident Engineer)**

Dr. Umbreen

H&TE Div., Nespak (Pvt.) Ltd. Lahore

Project: (MCL) Construction of PCC / Nalla Mouza Pandoki PP-165 Nishter Zone Lahore

Our Ref. No. CL/CED/ 1504 Dated: 31-12-20

Your Ref. No. 4084/103/BSAM/104/198 Dated: 03-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-12-20 Tested on: 31-12-20 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1		5	11	2020	6x6x6	8.6	36	83	5170	Non Engraved
2		5	11	2020	6x6x6	8.4	36	104	6480	Non Engraved
3		5	11	2020	6x6x6	8.6	36	75	4670	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

253

To: **Muhammad Asif Bajwa (Resident Engineer, PU Lahore)**

Dr. Umbreen

Progressive Consultants (Pvt.) Ltd. Lahore

Project: Construction of Institute of Energy and Environmental Engineering at University of Punjab QAC, Lahore

Our Ref. No. CL/CED/

1505

Dated:

31-12-20

Your Ref. No.

RE/PCL-562/
LHR/IEEE/PU/129

Dated:

07-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-12-20 Tested on: 31-12-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	MBC		8.8x4.3x2.9	3168	37.84	45	2670	
2	MBC		8.8x4.2x3.0	3148	36.96	55	3340	
3	MBC		8.7x4.3x2.9	3089	37.41	41	2460	
4	MBC		8.9x4.4x2.9	3183	39.16	49	2810	
5	MBC		8.8x4.3x3.0	3198	37.84	41	2430	
6	MR		8.9x4.4x3.0	3208	39.16	39	2240	
7	MR		8.9x4.3x2.9	3216	38.27	49	2870	
8	MR		8.8x4.3x2.9	3178	37.84	47	2790	
9	MR		8.8x4.3x2.9	3181	37.84	39	2310	
10	MR		8.8x4.4x3.0	3206	38.72	45	2610	
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Dr. Umbreen

To: M. Junaid
Capstone Builders and Engineers, Rawalpindi
Project: Maintenance of Jinnah Hospital Lahore

Our Ref. No. CL/CED/ 1506 Dated: 31-12-20

Your Ref. No. Nil Dated: 11-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-12-20 Tested on: 31-12-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	ZB		9.0x4.3x3.1	3287	37.84	45	2670	
2								
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Phone Nos. 042-99029202, 042-99029217

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Engr. Ubaid

To: Abdul Ali (Associate Manager C, R & M)
Allied Bank Limited, Multan
Project: Construction of Allied Bank Limited MDC Building, Multan

Our Ref. No. CL/CED/ 1507 Dated: 31-12-20

Your Ref. No. GHQ/S2/CRM/MA/2020/389 Dated: 10-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 08-12-20 Tested on: 30-12-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	2 5		8.7x4.2x2.7	2990	36.54	41.5	2550	
2	2 5		8.7x4.3x2.7	2862	37.41	43	2580	
3	2 5		8.8x4.3x2.8	3101	37.84	49	2910	
4	Gomal		8.9x4.3x2.9	3023	38.27	62	3630	
5	Gomal		8.9x4.3x2.9	2985	38.27	61	3570	
6	Gomal		9.0x4.3x2.8	3065	38.7	61.5	3560	
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supervisor(lab)

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Phone Nos. 042-99029202, 042-99029217

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Engr. Ubaid

To: **Khurram Shahzad**
Multan
Project: Nil

Our Ref. No. CL/CED/ 1508 Dated: 31-12-20

Your Ref. No. Nil Dated: 15-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 15-12-20 Tested on: 30-12-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	OK		8.5x4.3x2.8	2908	36.55	25	1510	
2	OK		8.8x4.3x2.8	2981	37.84	26	1520	
3	OK		8.5x4.2x2.9	2852	35.7	17	1050	
4	OK		8.6x4.3x2.8	2828	36.98	21	1260	
5	OK		8.5x4.3x2.9	2832	36.55	22	1330	
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Phone Nos. 042-99029202, 042-99029217

354

Dr. Umbreen

To: **Engr. Bashir Ahmad**

Unique Construction Co., Karachi

Project: Construction of 140 Rooms and 14 Toilets Block at Distt. Narowal

Our Ref. No. CL/CED/

1509-1 of 2

Dated:

31-12-20

Your Ref. No.

Nil

Dated:

28-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 28-12-20 Tested on: 31-12-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	HB		8.9x4.4x3.0	3029	39.16	39	2240	
2	HB		9.0x4.3x3.0	3048	38.7	41	2380	
3	HB		8.9x4.3x3.0	3074	38.27	41	2400	
4	7UP		8.7x4.3x2.9	3301	37.41	51	3060	
5	7UP		8.9x4.3x3.0	3412	38.27	55	3220	
6	7UP		8.9x4.2x3.0	3352	37.38	53	3180	
7	SB		8.9x4.3x2.9	3160	38.27	53	3110	
8	SB		8.8x4.3x2.8	3072	37.84	46	2730	
9	SB		9.0x4.3x2.9	3110	38.7	45	2610	
10	S		8.9x4.4x2.9	3268	39.16	45	2580	
11	S		8.9x4.4x2.8	3271	37.84	51	3020	
12	S		8.9x4.4x2.9	3275	39.16	45	2580	
13	PB		8.7x4.2x2.7	2719	36.54	33	2030	
14	PB		8.7x4.2x2.8	2727	36.54	41	2520	
15	PB		9.0x4.3x2.9	2789	36.96	39	2370	
16								

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354

Dr. Umbreen

To: Engr. Bashir Ahmad
Unique Construction Co., Karachi
Project: Construction of 140 Rooms and 14 Toilets Block at Distt. Narowal

Our Ref. No. CL/CED/ 1509-2 of 2 Dated: 31-12-20

Your Ref. No. Nil Dated: 28-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 28-12-20 Tested on: 31-12-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
16	5		9.0x4.3x2.9	3136	38.7	55	3190	
17	5		9.0x4.3x3.0	3292	38.7	55	3190	
18	5		9.0x4.4x2.8	3298	39.6	61	3460	
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Phone Nos. 042-99029202, 042-99029217

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Dr. M. Burhan

To: Muhammad Hanif Khokhar (Construction Manager, Nespak)
Nespak (Pvt.) Ltd.
Project: Establishment of Punjab Government Academy Building, Lahore

Our Ref. No. CL/CED/ 1510 Dated: 31-12-20

Your Ref. No. 3976/13/MHK/01/162 Dated: 17-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 31-12-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	7UP		8.8x4.3x3.0	3143	37.84	59	3500	
2	7UP		8.8x4.3x2.9	3262	37.84	51	3020	
3	7UP		8.9x4.2x2.8	3247	37.38	47	2820	
4	7UP		8.8x4.3x2.8	3219	37.84	51	3020	
5	7UP		9.0x4.3x3.0	3314	38.7	59	3420	
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Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

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To: **Muhammad Hanif Khokhar (Construction Manager, Nespak)**
Nespak (Pvt.) Ltd.

Dr. M. Burhan

Project: Establishment of Punjab Government Academy Building, Lahore

Our Ref. No. CL/CED/ 1511 Dated: 31-12-20

Your Ref. No. 3976/13/MHK/01/166 Dated: 17-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 31-12-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Machine Made (Double Lines)		8.7x4.4x2.7	2870	38.28	45	2640	
2	Machine Made (Double Lines)		8.7x4.3x2.8	2740	37.41	37	2220	
3	Machine Made (Double Lines)		8.8x4.4x2.8	2868	38.72	43	2490	
4	Machine Made (Double Lines)		8.7x4.4x2.8	2758	38.28	51	2990	
5	Machine Made (Double Lines)		8.6x4.3x2.7	2705	36.98	61	3700	
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