



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

83

To: **Syed Yasir Ali (Resident Engineer)**

Dr. M. Yousaf

CM Div., Nespak Pvt. Ltd. Lahore

Project: Establishment of U.E.T Lahore Sub Campus at Narowal, Construction of Innovation Centre, Auditorium and Jamia Masjid Auditorium

Our Ref. No. CL/CED/ 1185 Dated: 16-11-20

Your Ref. No. 3863/13/SYA/Labtesting/156 Dated: 03-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 04-11-20 Tested on: 13-11-20 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	Gutka		9.0x3.0x2.2	1783	27	53	4400	
2	Gutka		8.9x3.0x2.2	1772	26.7	43	3610	
3	Gutka		8.8x3.0x2.1	1765	26.4	50	4250	
4	Gutka		8.9x3.0x2.1	1744	26.7	58	4870	
5	Gutka		8.9x3.0x2.2	1768	26.7	43	3610	
6	Gutka		9.0x3.0x2.2	1833	27	47	3900	
7	Gutka		8.9x3.0x2.1	1809	26.7	40	3360	
8	Gutka		8.8x3.0x2.2	1687	26.4	53	4500	
9	Gutka		8.8x2.9x2.2	1715	25.52	40	3520	
10	Gutka		9.0x3.0x2.2	1707	27	58	4820	
11	Gutka		8.9x3.0x2.2	1742	26.7	45	3780	
12	Gutka		9.0x3.0x2.2	1749	27	53	4400	
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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
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Phone Nos. 042-99029202, 042-99029217

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Dr. M. Yousaf

To: **Munawar Hussain**

MH Associates, Lahore

Project: Garrison Academy for Cambridge Studies Lahore Cantt.

Our Ref. No. CL/CED/ 1186 Dated: 16-11-20

Your Ref. No. Nil Dated: 04-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 04-11-20 Tested on: 13-11-20 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	7 UP		8.7x4.2x2.9	2760	36.54	43	2640	
2	7 UP		9.0x4.4x2.9	2980	39.6	34	1930	
3	7 UP		8.9x4.4x3.0	3303	39.16	43	2460	
4	7 UP		8.8x4.3x3.0	2899	37.84	19	1130	
5	7 UP		8.8x4.4x3.0	3085	38.72	20	1160	
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

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Engr. Ubaid

To: **Muhammad Hanif Khokhar (Construction Manager Nespak)**

EPCM-Nespak Artelia JV

Project: Establishment to Punjab Local Government Academy Building, Lahore

Our Ref. No. CL/CED/ 1187 Dated: 16-11-20

Your Ref. No. 3976/13/MHK/01/144 Dated: 05-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-11-20 Tested on: 09-11-20 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
		Month	Day	Year						
1	Site Lab # D83	8	10	2020	6Diax12	13.4	28.28	76	6020	Non Engraved
2	Site Lab # D83	8	10	2020	6Diax12	13.6	28.28	93	7370	Non Engraved
3	Site Lab # D83	8	10	2020	6Diax12	13.6	28.28	70	5550	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

98

Engr. Ubaid

To: **Muhammad Hanif Khokhar (Construction Manager Nespak)**

EPCM-Nespak Artelia JV

Project: Establishment to Punjab Local Government Academy Building, Lahore

Our Ref. No. CL/CED/ 1188 Dated: 16-11-20

Your Ref. No. 3976/13/MHK/01/145 Dated: 05-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-11-20 Tested on: 09-11-20 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	Site Lab # E15	8	10	2020	6Diax12	13.4	28.28	105	8320	Non Engraved
2	Site Lab # E15	8	10	2020	6Diax12	13.2	28.28	108	8560	Non Engraved
3	Site Lab # E15	8	10	2020	6Diax12	13.4	28.28	107	8480	Non Engraved
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Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

114

To: **Ch. Abdul Ghafoor (Resident Engineer)**

Engr. Abdul Rehman

Pepac (Pvt.) Ltd. Lahore

Project: Establishment of Workers Welfare Complex (Phase-I) Adjacent to Sundar Industrial Estate Kasur Package-R

Our Ref. No. CL/CED/ 1189 Dated: 16-11-20

Your Ref. No. PEPAC/RE/WWC/TP-611 Dated: 06-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 10-11-20 Tested on: 13-11-20 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	Uniblock Grey		2.3 Thick	3226	37.25	144	8660	
2	Uniblock Grey		2.3 Thick	3245	37.25	139	8360	
3	Uniblock Grey		2.3 Thick	3251	37.25	150	9020	
4	Uniblock Red		2.3 Thick	3302	37.25	173	10410	
5	Uniblock Red		2.3 Thick	3380	37.25	152	9140	
6	Uniblock Red		2.3 Thick	3327	37.25	209	12570	
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Phone Nos. 042-99029202, 042-99029217

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To: **Engr. Irfan Ali (Manager Project)**

Dr. M. Yousaf

Ittefaq Construction Services, Lahore

Project: Construction of Commercial Plaza (42B, 43B, 44B Sector C and 19A) Main Boulevard Bahria Town Lahore

Our Ref. No. CL/CED/ 1190 Dated: 16-11-20

Your Ref. No. ICS/H.O/B.T.P/02 Dated: 10-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-11-20 Tested on: 13-11-20 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	Lift Well Foundation	26	10	2020	6Diax12	14	28.28	45	3570	Non Engraved
2	Lift Well Foundation	26	10	2020	6Diax12	13	28.28	38	3010	Non Engraved
3	Lift Well Foundation	26	10	2020	6Diax12	13	28.28	41	3250	Non Engraved
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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

124

To: **Arfan Nazir (Manager Civil)**

Dr. M. Yousaf

Nishat Dairy (Pvt.) Ltd. Lahore

Project: Construction of Manure Collection Tank 1170000 Gallons, Nishat Dairy Sukheki (Hafiz Abad)

Our Ref. No. CL/CED/ 1191 Dated: 16-11-20

Your Ref. No. NDL/001 Dated: 11-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 12-11-20 Tested on: 13-11-20 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	C 30	3	11	2020	6x6x6	8	36	38	2370	Engraved
2	C 30	3	11	2020	6x6x6	8.6	36	45	2800	Engraved
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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

124

Dr. M. Yousaf

To: **Arfan Nazir (Manager Civil)**

Nishat Dairy (Pvt.) Ltd. Lahore

Project: Construction of Manure Collection Tank 1170000 Gallons, Nishat Dairy Sukheki (Hafiz Abad)

Our Ref. No. CL/CED/

1192

Dated:

16-11-20

Your Ref. No.

NDL/001

Dated:

11-11-20

COMPRESSION TEST REPORT

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

Specimens received on:

12-11-20

Tested on:

13-11-20

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	C 30	13	10	2020	6x6x6	8.6	36	93	5790	Non Engraved
2	C 30	13	10	2020	6x6x6	8.4	36	96	5980	Non Engraved
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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

97

To: Engr. Tariq Hasan (Deputy Director Works)

Dr. Mazhar Saleem

Govt of The Punjab, Mines Labour Welfare Commissioner, Lahore

Project: Establishment of Mines Labour Welfare Dispensary Gulki/Sanghar Tribal Area Tehsil
Koh-e-Suleman District D.G. Khan

Our Ref. No. CL/CED/ 1193 Dated: 16-11-20

Your Ref. No. MLW/C.E/MT/50/17-9072 Dated: 05-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-11-20 Tested on: 16-11-20 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	I-Section Grey		2.3 Thick	3830	41.56	120	6470	
2	I-Section Grey		2.3 Thick	3890	41.56	184	9920	
3	I-Section Red		2.3 Thick	3970	41.56	154	8300	
4	I-Section Red		2.3 Thick	3840	41.56	140	7550	
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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

102

To: Assistant Executive Engineer-IV

Dr. Mazhar Saleem

Pak P.W.D., Lahore

Project: Construction of International Hostel and Class Rooms at Dot Complex, Allama Iqbal Town, Lahore

Our Ref. No. CL/CED/ 1194 Dated: 16-11-20

Your Ref. No. AEE-IV/CCD-II/LHR/30 Dated: 05-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-11-20 Tested on: 16-11-20 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	S		8.8x4.4x2.9	3294	38.72	55	3190	
2	S		8.9x4.4x3.0	3270	39.16	51	2920	
3	S		8.8x4.5x2.9	3240	39.6	69	3910	
4	S		8.8x4.5x3.0	3209	39.6	111	6280	
5	S		8.9x4.4x2.9	3230	39.16	73	4180	
6	S		8.9x4.4x2.9	3190	39.16	59	3380	
7	S		8.9x4.5x3.0	3185	40.05	61	3420	
8	S		8.9x4.4x3.0	3265	39.16	41	2350	
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120

Dr.Mazhar Saleem

To: Tahir Mehmood
Hasnain Builders, Lahore
Project: 3rd Floor Column at Old City School Gawal Mandi Lahore

Our Ref. No. CL/CED/ 1195 Dated: 16-11-20

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

COMPRESSION TEST REPORT

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

Specimens received on: 11-11-20 Tested on: 16-11-20 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
		Month	Day	Year						
1	3rd Floor Column (3750 Psi)	12	10	2020	6Diax12	13.2	28.28	55	4360	Non Engraved
2	3rd Floor Column (3750 Psi)	12	10	2020	6Diax12	13.4	28.28	53	4200	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

120
Dr. Mazhar
Saleem

To: Tahir Mehmood
Hasnain Builders, Lahore
Project: 3rd Floor Column at Old City School Gawal Mandi Lahore

Our Ref. No. CL/CED/ 1196 Dated: 16-11-20

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

COMPRESSION TEST REPORT

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

Specimens received on: 11-11-20 Tested on: 16-11-20 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	3rd Floor Column (3750 Psi)	9	10	2020	6Diax12	13.4	28.28	45	3570	Non Engraved
2	3rd Floor Column (3750 Psi)	9	10	2020	6Diax12	13.2	28.28	35	2780	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/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"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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

121

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 15, Lahore

Project: Construction of New Administration Block in The Premises of Lahore High Court, Lahore

Our Ref. No. CL/CED/ 1197 Dated: 16-11-20

Your Ref. No. 1183 Dated: 02-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-11-20 Tested on: 12-11-20 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	Columns (1:1.5:3)	4	10	2020	6x6x6	9	36	98	6100	Non Engraved
2	Columns (1:1.5:3)	4	10	2020	6x6x6	9	36	77	4800	Non Engraved
3	Columns (1:1.5:3)	4	10	2020	6x6x6	9	36	84	5230	Non Engraved
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16										

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

121

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 15, Lahore

Project: Construction of New Administration Block in The Premises of Lahore High Court, Lahore

Our Ref. No. CL/CED/ 1198 Dated: 16-11-20

Your Ref. No. 1185 Dated: 02-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-11-20 Tested on: 12-11-20 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	Lift in 8th Floor	5	10	2020	6x6x6	9	36	127	7910	Non Engraved
2	Lift in 8th Floor	5	10	2020	6x6x6	8.8	36	98	6100	Non Engraved
3	Lift in 8th Floor	5	10	2020	6x6x6	8.8	36	128	7970	Non Engraved
4										
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16										

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

121

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 15, Lahore

Project: Construction of New Administration Block in The Premises of Lahore High Court, Lahore

Our Ref. No. CL/CED/ 1199 Dated: 16-11-20

Your Ref. No. 1175 Dated: 31-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-11-20 Tested on: 12-11-20 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	Columns at 8th Floor	3	10	2020	6x6x6	9	36	120	7470	Non Engraved
2	Columns at 8th Floor	3	10	2020	6x6x6	9	36	120	7470	Non Engraved
3	Columns at 8th Floor	3	10	2020	6x6x6	9	36	140	8720	Non Engraved
4										
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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

121

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 15, Lahore

Project: Construction of New Administration Block in The Premises of Lahore High Court, Lahore

Our Ref. No. CL/CED/ 1200 Dated: 16-11-20

Your Ref. No. 1166 Dated: 28-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-11-20 Tested on: 12-11-20 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
		Month	Day	Year						
1	Roof Slab at 7th Floor	30	9	2020	6x6x6	8.6	36	89	5540	Non Engraved
2	Roof Slab at 7th Floor	30	9	2020	6x6x6	8.6	36	58	3610	Non Engraved
3	Roof Slab at 7th Floor	30	9	2020	6x6x6	8.8	36	84	5230	Non Engraved
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14										
15										
16										

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

122

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 12, Lahore

Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No.581/2019-20)

Group No.1 (Roof Slab of Basement-01, Portion-2)

Our Ref. No. CL/CED/ 1201 Dated: 16-11-20

Your Ref. No. 591/SDO12th Dated: 10-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-11-20 Tested on: 12-11-20 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	(1 : 2 : 4)	2	10	2020	6x6x6	9	36	90	5600	Non Engraved
2	(1 : 2 : 4)	2	10	2020	6x6x6	8.8	36	79	4920	Non Engraved
3	(1 : 2 : 4)	2	10	2020	6x6x6	9.2	36	109	6790	Non Engraved
4										
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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

122

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 12, Lahore

Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No.581/2019-20)
Group No.1 (Roof Slab of Basement-01, Portion-1)

Our Ref. No. CL/CED/

1202

Dated:

16-11-20

Your Ref. No.

585/SDO12th

Dated:

10-11-20

COMPRESSION TEST REPORT

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

Specimens received on:

11-11-20

Tested on:

12-11-20

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	(1 : 2 : 4)	28	9	2020	6x6x6	9.2	36	90	5600	Non Engraved
2	(1 : 2 : 4)	28	9	2020	6x6x6	8.4	36	67	4170	Non Engraved
3	(1 : 2 : 4)	28	9	2020	6x6x6	9.2	36	144	8960	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

122

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 12, Lahore

Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No.581/2019-20)
Group No.1 (Retaining Wall of Basement-02, Portion-3)

Our Ref. No. CL/CED/

1203

Dated:

16-11-20

Your Ref. No.

588/SDO12th

Dated:

10-11-20

COMPRESSION TEST REPORT

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

Specimens received on:

11-11-20

Tested on:

12-11-20

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	(1 : 1.5 : 3)	1	10	2020	6x6x6	9.2	36	154	9590	Non Engraved
2	(1 : 1.5 : 3)	1	10	2020	6x6x6	9	36	88	5480	Non Engraved
3	(1 : 1.5 : 3)	1	10	2020	6x6x6	9.2	36	134	8340	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

122

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 12, Lahore

Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No.581/2019-20)
Group No.1 (Columns of Basement-01, Portion-2)

Our Ref. No. CL/CED/ 1204 Dated: 16-11-20

Your Ref. No. 582/SDO12th Dated: 10-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-11-20 Tested on: 12-11-20 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	(1 : 1 : 2)	26	9	2020	6x6x6	9.2	36	144	8960	Non Engraved
2	(1 : 1 : 2)	26	9	2020	6x6x6	9	36	97	6040	Non Engraved
3	(1 : 1 : 2)	26	9	2020	6x6x6	9	36	123	7660	Non Engraved
4										
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11										
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16										

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

122

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 12, Lahore

Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No.581/2019-20)
Group No.1 (Retaining Wall & Lift of Basement-01, Portion-1)

Our Ref. No. CL/CED/ 1205 Dated: 16-11-20

Your Ref. No. 573/SDO12th Dated: 10-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-11-20 Tested on: 12-11-20 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
		Month	Day	Year						
1	(1 : 1.5 : 3)	20	9	2020	6x6x6	9	36	100	6230	Non Engraved
2	(1 : 1.5 : 3)	20	9	2020	6x6x6	9.2	36	137	8530	Non Engraved
3	(1 : 1.5 : 3)	20	9	2020	6x6x6	9.6	36	140	8720	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

122

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 12, Lahore

Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No.581/2019-20)
Group No.1 (Retaining Wall & Lift of Basement-01, Portion-2)

Our Ref. No. CL/CED/ 1206 Dated: 16-11-20

Your Ref. No. 576/SDO12th Dated: 10-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-11-20 Tested on: 12-11-20 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
		Month	Day	Year						
1	(1 : 1.5 : 3)	21	9	2020	6x6x6	9	36	100	6230	Non Engraved
2	(1 : 1.5 : 3)	21	9	2020	6x6x6	9	36	144	8960	Non Engraved
3	(1 : 1.5 : 3)	21	9	2020	6x6x6	9.2	36	144	8960	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

122

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 12, Lahore

Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No.581/2019-20)
Group No.1 (Columns in Basement-01, Portion-1)

Our Ref. No. CL/CED/ 1207 Dated: 16-11-20

Your Ref. No. 579/SDO12th Dated: 10-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-11-20 Tested on: 12-11-20 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	(1 : 1 : 2)	22	9	2020	6x6x6	9	36	110	6850	Non Engraved
2	(1 : 1 : 2)	22	9	2020	6x6x6	9	36	127	7910	Non Engraved
3	(1 : 1 : 2)	22	9	2020	6x6x6	9	36	130	8090	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