



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

423

Dr. Umbreen

To: **Hafiz Ozair Ahmad (Deputy Director QCD)**

WASA, LDA, Lahore (M/s. R.G. Builders)

Project: Tender No. XEN (O&M)/GT/2020-21/26-Addition and Construction of Record Room at Rehman Pura, Wasa, Lda, Lahore

Our Ref. No. CL/CED/

1824

Dated:

27-01-21

Your Ref. No.

QCD/48-49

Dated:

06-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 11-01-21 Tested on: 26-01-21 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	SK		8.9x4.4x2.9	3372	39.16	45	2580	
2	SK		8.9x4.4x3.0	3245	39.16	27	1550	
3	SK		8.8x4.4x2.9	3239	38.72	45	2610	
4	SK		8.8x4.4x3.0	3440	38.72	57	3300	
5	SK		9.0x4.4x3.1	3338	39.6	53	3000	
6	SK		8.8x4.4x3.0	3304	38.72	43	2490	
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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

423

Dr. Umbreen

To: Hafiz Ozair Ahmad (Deputy Director QCD)**WASA, LDA, Lahore (M/s. Zed Con Engineers)****Project: Tender No. XEN (O&M-III) / IT /2020-21/01-Improvement of Sewerage System in Gulzaib Colony Street No.17, 18, 22 & 26 & Link Streets U.C-89 in Samanabad Sub Division, Wasa, Lda, Lahore**

Our Ref. No. CL/CED/ 1825 Dated: 27-01-21

Your Ref. No. QCD/3105-06 Dated: 26-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-01-21 Tested on: 26-01-21 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	SK		8.9x4.4x3.0	3368	39.16	39	2240	
2	SK		8.9x4.3x2.9	3379	38.27	45	2640	
3	SK		8.8x4.4x3.1	3296	38.72	39	2260	
4	SK		8.9x4.4x2.9	3363	39.16	43	2460	
5	SK		8.9x4.3x3.0	3384	38.27	49	2870	
6	SK		8.9x4.4x3.1	3291	39.16	37	2120	
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supervisor(lab)**Director/Dy. Director Concrete Laboratory**



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423

Dr. Umbreen

To: Hafiz Ozair Ahmad (Deputy Director QCD)**WASA, LDA, Lahore (M/s.M. Zed Con Engineers)****Project: Tender No. XEN (O&M-III) / IT /2020-21/07-Improvement of Sewerage System in Bilal Masjid Street, Razaq Street, Faridya Street & Khawaja Street in Chah Jamu Wala Bazar U.C 86, NA-126 in Ichra Sub Division Wasa, Lda, Lahore**

Our Ref. No. CL/CED/ 1826 Dated: 27-01-21

Your Ref. No. QCD/3102-03 Dated: 26-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-01-21 Tested on: 26-01-21 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	SK		8.9x4.3x3.0	3387	38.27	43	2520	
2	SK		8.9x4.3x3.1	3406	38.27	37	2170	
3	SK		8.8x4.4x3.0	3273	38.72	43	2490	
4	SK		8.8x4.3x2.9	3297	37.84	37	2190	
5	SK		8.9x4.4x2.9	3380	39.16	49	2810	
6	SK		9.0x4.4x3.0	3412	39.6	43	2440	
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423

Dr. Umbreen

To: Hafiz Ozair Ahmad (Deputy Director QCD)**WASA, LDA, Lahore (M/s. Zed Con Engineers)****Project: Tender No. XEN (O&M-III) / IT /2020-21/05-Improvement of Settled Sewerage System of Khalid Road, Wapda Wali Gali & Differnet Area of U-C 90 & 107 in Samanabad Sub Division, Wasa, Lda, Lahore**

Our Ref. No. CL/CED/ 1827 Dated: 27-01-21

Your Ref. No. QCD/3096-97 Dated: 26-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-01-21 Tested on: 26-01-21 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		8.8x4.3x3.0	3228	37.84	47	2790	
2	7 UP		8.8x4.2x2.9	3189	36.96	45	2730	
3	7 UP		8.8x4.3x3.0	3240	37.84	33	1960	
4	7 UP		8.7x4.2x2.8	3181	36.54	55	3380	
5	7 UP		8.7x4.2x2.9	3143	36.54	47	2890	
6	7 UP		8.9x4.3x2.8	3169	38.27	77	4510	
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463

Dr.Mazhar Saleem

**To: Sub Divisional Officer
(Buildings) Shahkot**

Project: Rehabilitation/Provision of Missing Facilities at Police Station Sadar Shahkot District Nankana Sahib

Our Ref. No. CL/CED/ 1828 Dated: 27-01-21

Your Ref. No. 2425/Skt Dated: 14-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-01-21 Tested on: 26-01-21 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	1 1		8.8x4.3x2.9	3302	37.84	55	3260	
2	1 1		8.7x4.2x3.0	3276	36.54	55	3380	
3	1 1		8.8x4.2x2.9	3391	36.96	49	2970	
4	1 1		8.7x4.3x2.8	3364	37.41	53	3180	
5	1 1		8.8x4.3x2.8	3546	37.84	43	2550	
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Dr. Umbreen

To: Brig. Saeed Ahmed Malik (SI M) (R) (Resident Engineer)**H&TE Div., Nespak (Pvt.) Ltd. Lahore****Project: Metropolitan Corporation Lahore (MCL), Construction of PCC Nallah Mouza Rohra Bhogan PP-165, NA-132, Construction of PCC Nallah Mouza Halloki PP-165, NA-132, Lahore**

Our Ref. No. CL/CED/ 1829 Dated: 27-01-21

Your Ref. No. 4084/103/BSAM/104/237 Dated: 12-01-21

COMPRESSION TEST REPORT

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

Specimens received

on: 13-01-21 Tested on: 26-01-21 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		8.8x4.3x2.9	3312	37.84	39	2310	
2	2 5		8.7x4.2x2.8	3218	36.54	39	2400	
3	2 5		8.7x4.3x2.8	3287	36.54	41	2520	
4	2 5		8.8x4.2x2.9	3308	36.96	45	2730	
5	2 5		8.8x4.3x2.7	3278	37.84	37	2190	
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Department of Civil Engineering

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508

To: Mr. Muhammad Saleem (GM)

Dr. Mazhar Saleem

Professional Construction Services (Pvt.) Ltd. Lahore

Project: Construction of Allied Bank Limited Valencia Town, Lahore (Basement Slab at Grid A~C/1~4)

Our Ref. No. CL/CED/ 1830 Dated: 27-01-21

Your Ref. No. PCS/2021/Eng-06 Dated: 21-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 21-01-21 Tested on: 25-01-21 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)	14	1	2021	6Diax12	13.4	28.28	15	1190	Non Engraved
2	(1 : 2 : 4)	14	1	2021	6Diax12	13.4	28.28	15	1190	Non Engraved
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4										
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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To: **Municipal Officer (Infrastructure)**
Municipal Committee, Vihari

Dr.Mazhar Saleem

Project: Construction of pump houses at Chak No.22/WB & 24/WB.

Our Ref. No. CL/CED/ 1831 Dated: 27-01-21

Your Ref. No. 104/MO(I)/MC(VR) Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 21-01-21 Tested on: 25-01-21 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		15	11	2020	6x6x6	8.6	36	51	3180	Non Engraved
2		15	11	2020	6x6x6	8.6	36	31	1930	Non Engraved
3		15	11	2020	6x6x6	8.2	36	19	1190	Non Engraved
4		15	11	2020	6x6x6	8.6	36	23	1440	Non Engraved
5		15	11	2020	6x6x6	9	36	13	810	Non Engraved
6		15	11	2020	6x6x6	8.2	36	37	2310	Non Engraved
7										
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16										

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509

To: **Mr. Khalil Ahmad (Project Manager)**
SA Gardens (Pvt.) Ltd. KSK
Project: SA Gardens Kala Shah Kaku, Phase 1

Dr. Mazhar Saleem

Our Ref. No. CL/CED/ 1832 Dated: 27-01-21

Your Ref. No. SA/PM/DEV/210 Dated: 21-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 21-01-21 Tested on: 25-01-21 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	Pool Floor	8	1	2021	6x6x6	8.6	36	102	6350	Non Engraved
2	Pool Floor	8	1	2021	6x6x6	8.6	36	100	6230	Non Engraved
3	Pool Floor	8	1	2021	6x6x6	8.8	36	94	5850	Non Engraved
4	1st Floor Slab	8	1	2021	6x6x6	8	36	67	4170	Non Engraved
5	1st Floor Slab	8	1	2021	6x6x6	8.2	36	45	2800	Non Engraved
6	1st Floor Slab	8	1	2021	6x6x6	8	36	59	3680	Non Engraved
7	Internal Wall Footing	23	12	2020	6x6x6	8.8	36	53	3300	Non Engraved
8	Internal Wall Footing	23	12	2020	6x6x6	8.6	36	53	3300	Non Engraved
9	Internal Wall Footing	23	12	2020	6x6x6	8.8	36	51	3180	Non Engraved
10	External Wall Footing	26	12	2020	6x6x6	8.4	36	67	4170	Non Engraved
11	External Wall Footing	26	12	2020	6x6x6	8.6	36	79	4920	Non Engraved
12	External Wall Footing	26	12	2020	6x6x6	8.4	36	73	4550	Non Engraved
13	Retaining Wall Footing	3	1	2021	6x6x6	8.4	36	37	2310	Non Engraved
14	Retaining Wall Footing	3	1	2021	6x6x6	8.2	36	35	2180	Non Engraved
15	Retaining Wall Footing	3	1	2021	6x6x6	8.2	36	35	2180	Non Engraved
16										

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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

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Dr.Mazhar Saleem

To: **Sameed Ahmad (Flt Lt)**
AD Tech AFOHS (Dett) Lhr
Project: Nil

Our Ref. No. CL/CED/ 1833 Dated: 27-01-21

Your Ref. No. AHQ/74314/24/AFOHS Dated: 21-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 21-01-21 Tested on: 25-01-21 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		29	12	2020	6x6x6	9	36	94	5850	Engraved
2		29	12	2020	6x6x6	9	36	90	5600	Engraved
3										
4										
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Dr. Mazhar Saleem

To: Mr. Maqsood Ahmad (Project Coordinator)
Banu Mukhtar Contracting (Pvt.) Ltd. Lahore
Project: Novatex (Pvt.) Ltd M3 Industrial Estate Fsd (Ware House, Pedestal)

Our Ref. No. CL/CED/ 1834 Dated: 27-01-21

Your Ref. No. BML/300841/006 Dated: 21-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 21-01-21 Tested on: 25-01-21 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	3500 Psi	4	1	2021	6Diax12	14	28.28	57	4520	Non Engraved
2	3500 Psi	4	1	2021	6Diax12	15	28.28	63	4990	Non Engraved
3	3500 Psi	4	1	2021	6Diax12	14.2	28.28	35	2780	Non Engraved
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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

511

To: Mr. Maqsood Ahmad (Project Coordinator)
Banu Mukhtar Contracting (Pvt.) Ltd. Lahore
Project: Novatex (Pvt.) Ltd M3 Industrial Estate Fsd (Ware House, Pedestal)

Dr.Mazhar Saleem

Our Ref. No. CL/CED/ 1835 Dated: 27-01-21

Your Ref. No. BML/300841/007 Dated: 21-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 21-01-21 Tested on: 25-01-21 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	3000 Psi	12	1	2021	6Diax12	14	28.28	57	4520	Non Engraved
2	3000 Psi	12	1	2021	6Diax12	14.2	28.28	59	4680	Non Engraved
3	3000 Psi	12	1	2021	6Diax12	14	28.28	63	4990	Non Engraved
4										
5										
6										
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9										
10										
11										
12										
13										
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"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

522

To: **Mr. Muhammad Danial (Construction Manager)**

Dr. Mazhar Saleem

Rasheed & Brothers, Lahore

Project: Ortho Hospital 96-B Hali Road Gulberg-II, Lahore

Our Ref. No. CL/CED/ 1836 Dated: 27-01-21

Your Ref. No. 2 Dated: 22-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 22-01-21 Tested on: 25-01-21 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	4000 Psi	10	1	2021	6Diax12	14	28.28	65	5150	Non Engraved
2	4000 Psi	10	1	2021	6Diax12	14.2	28.28	63	4990	Non Engraved
3	4000 Psi	10	1	2021	6Diax12	13.8	28.28	61	4840	Non Engraved
4	4000 Psi	11	1	2021	6Diax12	13.8	28.28	63	4990	Non Engraved
5	4000 Psi	11	1	2021	6Diax12	13.2	28.28	55	4360	Non Engraved
6	4000 Psi	11	1	2021	6Diax12	14	28.28	53	4200	Non Engraved
7	4000 Psi	12	1	2021	6Diax12	14.4	28.28	77	6100	Non Engraved
8	4000 Psi	12	1	2021	6Diax12	14	28.28	61	4840	Non Engraved
9	4000 Psi	12	1	2021	6Diax12	14	28.28	75	5950	Non Engraved
10										
11										
12										
13										
14										
15										
16										

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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). 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

525

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

Dr. Mazhar Saleem

Our Ref. No. CL/CED/ 1837 Dated: 27-01-21

Your Ref. No. IHPL/Con/026 Dated: 19-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 22-01-21 Tested on: 25-01-21 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	4000 Psi	14	1	2021	6Diax12	13.6	28.28	55	4360	Non Engraved
2	4000 Psi	14	1	2021	6Diax12	13	28.28	53	4200	Non Engraved
3	4000 Psi	14	1	2021	6Diax12	13	28.28	41	3250	Non Engraved
4	8000 Psi	14	1	2021	6Diax12	13.6	28.28	98	7770	Non Engraved
5	8000 Psi	14	1	2021	6Diax12	13.6	28.28	81	6420	Non Engraved
6	8000 Psi	14	1	2021	6Diax12	13.4	28.28	96	7610	Non Engraved
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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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

520

To: **Sub Divisional Officer**

Dr. Mazhar Saleem

Buildings Sub Division No. 12, Lahore

Project: Construction of Hostels for Students Alongwith Inter Connecting Bridge of Fatima Jinah Medical University Lahore (Ground Floor Column)

Our Ref. No. CL/CED/ 1838 Dated: 27-01-21

Your Ref. No. 40/SDO12th Dated: 19-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 22-01-21 Tested on: 25-01-21 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
		12	8	2020						
1	(1 : 1.5 : 3)	12	8	2020	6x6x6	8.6	36	53	3300	Non Engraved
2	(1 : 1.5 : 3)	12	8	2020	6x6x6	9	36	53	3300	Non Engraved
3										
4										
5										
6										
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15										
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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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

531

Dr. Umbreen

To: Deputy Director, Engg.

Sec I&II, Package-I, LOLMTP, LDA, Lahore (M/s Awais International)

Project: Construction of Baghbanpura Police Station GT Road Lahore, Lahore Orange Line Metro Train Project, Package-I (Retaining Wall)

Our Ref. No. CL/CED/

1839

Dated:

27-01-21

Your Ref. No.

DD/PKG-
I/LOLMTP/LDA/09

Dated:

21-01-21

COMPRESSION TEST REPORT

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

Specimens received on:

22-01-21

Tested on:

26-01-21

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		25	12	2020	6x6x6	9	36	94	5850	Engraved
2		25	12	2020	6x6x6	9.2	36	74	4610	Engraved
3		25	12	2020	6x6x6	9.2	36	92	5730	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

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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

523

Dr. Umbreen

To: Mr. Abdul Rehman
Okawa Concrete, Sheikhpura
Project: Nil

Our Ref. No. CL/CED/ 1840 Dated: 27-01-21
Your Ref. No. Nil Dated: 22-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 22-01-21 Tested on: 26-01-21 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	Solid Block				11.8x6.0x7.9	19	70.8	65	2060	
2										
3										
4										
5										
6										
7										
8										
9										
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11										
12										
13										
14										
15										
16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

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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

422

Engr. Ubaid

To: **Sub Divisional Officer**

Buildings Sub Division, Nankana Sahib

Project: Reconstruction of Dangerous School Building at GGES Hallan Syedan District Nankana Sahib (EMIS Code 35610091)

Our Ref. No. CL/CED/ 1841 Dated: 27-01-21

Your Ref. No. 464/SDO/BSD/NNS Dated: 04-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 11-01-21 Tested on: 27-01-21 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	RSA		8.5x4.0x2.7	2742	34	37	2440	
2	RSA		8.4x4.0x2.8	2681	33.6	37	2470	
3	RSA		8.5x4.0x2.8	2812	34	33	2180	
4	RSA		8.4x4.0x2.7	2633	33.6	39	2600	
5	RSA		8.5x4.0x2.7	2666	34	41	2710	
6	RB		8.5x4.0x2.7	2581	34	31	2050	
7	RB		8.5x4.1x2.8	2536	34.85	35	2250	
8	RB		8.5x4.0x2.8	2608	34	21	1390	
9	RB		8.5x4.0x2.7	2595	34	33	2180	
10	RB		8.5x4.0x2.8	2614	34	39	2570	
11								
12								
13								
14								
15								
16								

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departament?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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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

422

Engr. Ubaid

To: Sub Divisional Officer**Buildings Sub Division, Nankana Sahib****Project: Reconstruction of Dangerous School Building at GPS Malka Mouj District Nankana Sahib
(EMIS Code 35610387)**

Our Ref. No. CL/CED/ 1842 Dated: 27-01-21

Your Ref. No. 461/SDO/BSO/NNS Dated: 04-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 11-01-21 Tested on: 27-01-21 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	NB		8.5x3.9x2.6	2598	33.15	33	2230	
2	NB		8.5x4.0x2.7	2668	34	37	2440	
3	NB		8.6x4.1x2.7	2479	35.26	37	2360	
4	NB		8.5x4.0x2.7	2494	34	35	2310	
5	NB		8.5x4.0x2.8	2534	34	39	2570	
6	RB		8.5x4.0x2.8	2572	34	23	1520	
7	RB		8.5x4.1x2.7	2588	34.85	35	2250	
8	RB		8.4x4.0x2.7	2552	33.6	37	2470	
9	RB		8.5x4.0x2.8	2608	34	33	2180	
10	RB		8.4x4.0x2.7	2541	33.6	37	2470	
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

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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

446

To: Director Projects

Engr. Ubaid

Energy Department, Govt of The Punjab, Lahore (M/s Mian Hydro Construction Engineers)

Project: Infrastructure Development of Quaid-E-Azam Solar Park

Our Ref. No. CL/CED/ 1843 Dated: 27-01-21

Your Ref. No. DOPP/351/QASP/2021 Dated: 08-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 13-01-21 Tested on: 27-01-21 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 Line)		8.8x4.1x2.8	3122	36.96	39	2370	
2	Machine Made (Double Line)		8.9x4.2x2.8	3201	37.38	33	1980	
3	Machine Made (Double Line)		8.8x4.2x2.7	2995	36.96	31	1880	
4	Machine Made (Double Line)		8.9x4.2x2.8	3189	37.38	37	2220	
5	Machine Made (Double Line)		8.8x4.2x2.8	3152	36.96	21	1280	
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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

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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). 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

459

Dr. Umbreen

To: Riaz Ahmad
Riaz Construction Company, Lahore
Project: Nil

Our Ref. No. CL/CED/ 1844 Dated: 27-01-21

Your Ref. No. Nil Dated: 15-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-01-21 Tested on: 26-01-21 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	8 8 8		9.0x4.3x3.1	3456	38.7	53	3070	
2	8 8 8		8.9x4.3x3.0	3398	38.27	51	2990	
3	8 8 8		9.0x4.3x3.1	3450	38.7	51	2960	
4	8 8 8		9.0x4.3x3.0	3335	38.7	47	2720	
5	8 8 8		8.9x4.3x3.1	3356	38.27	41	2400	
6								
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departament?RID=testing_reports&id=6

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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

462

Engr. Ubaid

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

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

Project: Metropolitan Corporation Lahore (MCL), Rehabilitation of Sewerage System in the Area of Defunct PP-151

Our Ref. No. CL/CED/ 1845 Dated: 27-01-21

Your Ref. No. 4084/103/BSAM/104/234 Dated: 12-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-01-21 Tested on: 27-01-21 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	K-2		8.6x4.1x2.9	2878	35.26	27	1720	
2	K-2		8.7x4.1x2.9	2869	35.67	31	1950	
3	K-2		8.8x4.2x2.9	2784	36.96	31	1880	
4	K-2		8.9x4.2x3.0	2893	37.38	31	1860	
5	K-2		8.7x4.1x2.9	2707	35.67	32	2010	
6	K-2		8.7x4.2x2.9	2858	36.96	31	1880	
7								
8								
9								
10								
11								
12								
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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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

507

Dr. Umbreen

To: Mr. Furqan UI Haq (General Manager)
AYQ Developers (Pvt.) Ltd. Lahore
Project: Union Complex

Our Ref. No. CL/CED/ 1846 Dated: 27-01-21

Your Ref. No. Nil Dated: 21-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 21-01-21 Tested on: 26-01-21 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		13	1	2021	6Diax12	13.8	28.28	57	4520	Engraved
2		13	1	2021	6Diax12	14	28.28	47	3730	Engraved
3		13	1	2021	6Diax12	14	28.28	51	4040	Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departament?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"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