



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

223

Engr. Ubaid

To: Shoab Razzaq (Project Coordinator)
Sinaco Engineers (Pvt.) Ltd. Lahore
Project: The Retrofitting Works Stitching Unit of Cotton Web.

Our Ref. No. CL/CED/ 1347 Dated: 08-12-20

Your Ref. No. SEL/LHR/C-462/11623 Dated: 07-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 07-12-20 Tested on: 08-12-20 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
		Month	Day	Year						
1	Beams and Columns	30	11	2020	6Diax12	14	28.28	43	3410	Engraved
2	Beams and Columns	30	11	2020	6Diax12	14	28.28	56	4440	Engraved
3	Beams and Columns	30	11	2020	6Diax12	14	28.28	57	4520	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"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
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Phone Nos. 042-99029202, 042-99029217

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Dr. Umbreen

To: Usman Tanveer (Director Operation)
Bin Hussain Associates, Lahore
Project: Nil

Our Ref. No. CL/CED/ 1348 Dated: 08-12-20

Your Ref. No. Nil Dated: 24-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-11-20 Tested on: 03-12-20 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	16		9.0x4.5x3.0	3320	40.5	41	2270	
2	16		9.2x4.5x3.0	3455	41.4	35	1900	
3	16		9.0x4.5x3.1	3269	40.5	35	1940	
4	16		9.2x4.5x3.1	3626	41.4	35	1900	
5	16		9.1x4.4x3.1	3455	40.04	35	1960	
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15								
16								

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Director/Dy. Director Concrete Laboratory



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108

Engr. Ubaid

To: Brigadier ® Rizwan Ullah Saeed (The Resident Engineer (ER)-OCL)
Osmani & Company (Pvt.) Ltd. Faisalabad International Airport
Project: Reconstruction of Rigid Runway at Faisalabad International Airport

Our Ref. No. CL/CED/ 1349-1 of 2 Dated: 08-12-20

Your Ref. No. OCL/C-126/CAA- FIAP/2020/0511/188 Dated: 05-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 09-11-20 Tested on: 08-12-20 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	SG 1(A)		4.3x4.2x2.9	1436	18.06	16	1990	
2	SG 1(B)		4.3x4.2x2.9	1437	18.06	20	2490	
3	SG 2(A)		4.4x4.2x2.8	1458	18.48	15	1820	
4	SG 2(B)		4.3x4.2x2.8	1460	18.06	17	2110	
5	SG 3(A)		4.3x4.2x3.0	1496	18.06	23	2860	
6	SG 3(B)		4.3x4.2x3.0	1490	18.06	25	3110	
7	SG 4(A)		4.3x4.1x2.9	1479	17.63	18	2290	
8	SG 4(B)		4.3x4.1x2.9	1473	17.63	15	1910	
9	SG 5(A)		4.3x4.2x3.0	1521	18.06	15	1860	
10	SG 5(B)		4.4x4.2x3.0	1524	18.06	15	1860	
11	1 i(A)		4.4x4.2x3.0	1406	18.48	19	2310	
12	1 i(B)		4.4x4.2x3.0	1403	18.48	17	2070	
13	1 ii(A)		4.4x4.1x2.9	1388	18.04	23	2860	
14	1 ii(B)		4.4x4.1x2.9	1392	18.04	26	3230	
15	1 iii(A)		4.4x4.1x2.8	1401	18.04	20	2490	
16	1 iii(B)		4.4x4.1x2.8	1407	18.04	21	2610	

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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

108

Engr. Ubaid

To: Brigadier ® Rizwan Ullah Saeed (The Resident Engineer (ER)-OCL)
Osmani & Company (Pvt.) Ltd. Faisalabad International Airport
Project: Reconstruction of Rigid Runway at Faisalabad International Airport

Our Ref. No. CL/CED/ 1349-2 of 2 Dated: 08-12-20

Your Ref. No. OCL/C-126/CAA-
FIAP/2020/0511/188 Dated: 05-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 09-11-20 Tested on: 08-12-20 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
17	1 iv(A)		4.3x4.2x3.0	1409	18.06	27	3350	
18	1 iv(B)		4.3x4.2x3.0	1406	18.06	19	2360	
19	1 V(A)		4.4x4.2x3.0	1423	18.48	18	2190	
20	1 V(B)		4.4x4.2x3.0	1426	18.06	18	2240	
21	511 1(A)		4.3x4.2x3.0	1480	18.06	24	2980	
22	511 1(B)		4.4x4.2x3.0	1485	18.48	24	2910	
23	511 2(A)		4.2x4.1x2.9	1501	17.22	28	3650	
24	511 2(B)		4.2x4.1x2.9	1498	16.81	19	2540	
25	511 3(A)		4.3x4.1x2.8	1473	17.63	19	2420	
26	511 3(B)		4.2x4.1x2.8	1477	17.22	19	2480	
27	511 4(A)		4.3x4.2x3.0	1459	18.06	22	2730	
28	511 4(B)		4.3x4.2x3.0	1462	18.06	19	2360	
29	511 5(A)		4.3x4.2x3.0	1470	18.06	22	2730	
30	511 (B)		4.3x4.2x3.0	1467	18.06	24	2980	
15								
16								

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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
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Phone Nos. 042-99029202, 042-99029217

213

To: **Assistant Executive Engineer**

Dr.Mazhar Saleem

KBCMA, CVAS, Narowal

Project: Construction of Training / Research Dairy Unit, Training / Research Poultry Unit, Post Mortem Building, Surgery Unit, Theriogenology Unit, Medicine Unit at CVAS Narowal

Our Ref. No. CL/CED/

1350

Dated:

08-12-20

Your Ref. No.

AEE/NC/29

Dated:

11-11-20

COMPRESSION TEST REPORT

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

Specimens received on:

03-12-20

Tested on:

07-12-20

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	Roof Slab	14	10	2020	6x6x6	9	36	51	3180	Non Engraved
2	Roof Slab	14	10	2020	6x6x6	9	36	53	3300	Non Engraved
3										
4										
5										
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11										
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13										
14										
15										
16										

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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

213

To: **Assistant Executive Engineer**

Dr.Mazhar Saleem

KBCMA, CVAS, Narowal

Project: Construction of Training / Research Dairy Unit, Training / Research Poultry Unit, Post Mortem Building, Surgery Unit, Theriogenology Unit, Medicine Unit at CVAS Narowal

Our Ref. No. CL/CED/

1351

Dated:

08-12-20

Your Ref. No.

AEE/NC/25

Dated:

29-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 03-12-20 Tested on: 07-12-20 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
		7	10	2020						
1	Roof Slab	7	10	2020	6x6x6	9	36	59	3680	Non Engraved
2	Roof Slab	7	10	2020	6x6x6	9	36	45	2800	Non Engraved
3										
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Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

213

To: **Assistant Executive Engineer**

Dr. Mazhar Saleem

KBCMA, CVAS, Narowal

Project: Construction of Training / Research Dairy Unit, Training / Research Poultry Unit, Post Mortem Building, Surgery Unit, Theriogenology Unit, Medicine Unit at CVAS Narowal

Our Ref. No. CL/CED/

1352

Dated:

08-12-20

Your Ref. No.

AEE/NC/30

Dated:

11-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 03-12-20 Tested on: 07-12-20 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	Roof Slab	17	10	2020	6x6x6	9	36	53	3300	Non Engraved
2	Roof Slab	17	10	2020	6x6x6	8.8	36	47	2930	Non Engraved
3										
4										
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15										
16										

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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

216

To: **Asif Nadeem Khawar (Resident Engineer)**

Dr. Mazhar Saleem

Metroplan-Asian Consulting Engineers (Pvt.) Ltd.

Project: Resident Construction Supervision for Establishment of 200 Bedded Mother & Child Hospital and Nursing College, District Mianwali.

Our Ref. No. CL/CED/ 1353-1 of 2 Dated: 08-12-20

Your Ref. No. MetroplanAsianJV-Nexus-
MMCH-RE-563 Dated: 13-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 04-12-20 Tested on: 07-12-20 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	Solid Block		12.0x6.0x8.0	20	72	90	2800	
2	Solid Block		12.0x6.0x8.0	20.4	72	104	3240	
3	Solid Block		12.0x5.9x8.0	20.8	70.8	69	2190	
4	Solid Block		12.0x6.0x8.0	21	72	75	2340	
5	Solid Block		12.0x5.9x8.0	21	70.8	102	3230	
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16								

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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

217

To: Sub Divisional Officer

Dr. Mazhar Saleem

Buildings Sub Division No. 12, Lahore

Project: Construction of Office Complex of Food Directorate Divisional Food Office Lahore and DFC, Office Lahore (OHR Base Slab)

Our Ref. No. CL/CED/

1354

Dated:

08-12-20

Your Ref. No.

476/SDO12th

Dated:

25-09-20

COMPRESSION TEST REPORT

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

Specimens received on:

04-12-20

Tested on:

07-12-20

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	(1 : 2 : 4)	25	10	2020	6x6x6	9.6	36	118	7350	Non Engraved
2	(1 : 2 : 4)	25	10	2020	6x6x6	10	36	118	7350	Non Engraved
3										
4										
5										
6										
7										
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Phone Nos. 042-99029202, 042-99029217

217

To: **Sub Divisional Officer**

Dr. Mazhar Saleem

Buildings Sub Division No. 12, Lahore

Project: Construction of Office Complex of Food Directorate Divisional Food Office Lahore and DFC, Office Lahore (OHR Top Slab)

Our Ref. No. CL/CED/

1355

Dated:

08-12-20

Your Ref. No.

483/SDO12th

Dated:

01-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 04-12-20 Tested on: 07-12-20 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	(1 : 2 : 4)	31	10	2020	6x6x6	9.2	36	75	4670	Non Engraved
2	(1 : 2 : 4)	31	10	2020	6x6x6	9	36	98	6100	Non Engraved
3										
4										
5										
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Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

217

To: Sub Divisional Officer

Dr. Mazhar Saleem

Buildings Sub Division No. 12, Lahore

Project: Construction of Office Complex of Food Directorate Divisional Food Office Lahore and DFC, Office Lahore (OHR Wall)

Our Ref. No. CL/CED/

1356

Dated:

08-12-20

Your Ref. No.

474/SDO12th

Dated:

28-09-20

COMPRESSION TEST REPORT

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

Specimens received on:

04-12-20

Tested on:

07-12-20

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	(1 : 2 : 4)	29	10	2020	6x6x6	9	36	88	5480	Non Engraved
2	(1 : 2 : 4)	29	10	2020	6x6x6	8.6	36	82	5110	Non Engraved
3										
4										
5										
6										
7										
8										
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10										
11										
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15										
16										

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

219

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

Dr. Mazhar Saleem

Ittefaq Construction Services, Lahore

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

Our Ref. No. CL/CED/ 1357 Dated: 08-12-20

Your Ref. No. ICS/H.O/B.T.P/05 Dated: 04-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 04-12-20 Tested on: 07-12-20 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	4000 Psi	27	11	2020	6Diax12	14	28.28	53	4200	Engraved
2	4000 Psi	27	11	2020	6Diax12	13.8	28.28	57	4520	Engraved
3	4000 Psi	27	11	2020	6Diax12	14	28.28	65	5150	Engraved
4										
5										
6										
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9										
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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