



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

10682

Dr. Burhan Shareef

To: **Ehsan UL Haq**
Lahore

Project: Construction of Personal Home

Our Ref. No. CL/CED/ 1022 Dated: 21-10-20

Your Ref. No. Nil Dated: 12-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 12-10-20 Tested on: 20-10-20 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	Hollow Block		16x6x7.8	19	58.65	96	3670	
2	Hollow Block		16x6x7.9	19	58.65	88	3370	
3	Hollow Block		16x8x7.9	22	69.32	124	4010	
4	Hollow Block		16x8x8.0	20.8	69.32	88	2850	
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16								

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

12

Dr.Aqsa

To: **Assistant Executive Engineer**

Pakistan Railway Headquarter Office Lahore.

Project: Replacement of Jack Arch Roofing in RCC Slab at 2nd Floor Walton Block in Railway Headquarter Office Lahore.

Our Ref. No. CL/CED/

1023

Dated:

21-10-20

Your Ref. No.

62-W/0/201/Lose

Dated:

16-10-20

COMPRESSION TEST REPORT

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

Specimens received on:

16-10-20

Tested on:

21-10-20

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
		9	9	20						
1		9	9	20	6Diax12	13.8	28.28	71	5630	Non-Engraved
2		9	9	20	6Diax12	14	28.28	70	5550	Non-Engraved
3		9	9	20	6Diax12	14	28.28	60	4760	Non-Engraved
4		9	9	20	6Diax12	14	28.28	69	5470	Non-Engraved
5		9	9	20	6Diax12	14.2	28.28	72	5710	Non-Engraved
6		9	9	20	6Diax12	14.2	28.28	69	5470	Non-Engraved
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14										
15										
16										

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10692

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No.10, Lahore

Project: Construction of Provincial Headquarter CTD, Lahore (Group No. 1 & Group No. 4)

Our Ref. No. CL/CED/

1024

Dated:

21-10-20

Your Ref. No.

302/10th

Dated:

17-09-20

COMPRESSION TEST REPORT

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

Specimens received on: 14-10-20 Tested on: 16-10-20 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	Rectangular Grey		7.8x3.9x2.3	2495	30.42	43	3170	
2	Rectangular Grey		7.8x3.9x2.3	2473	30.42	43	3170	
3	Rectangular Grey		7.8x3.9x2.3	2354	30.42	33	2430	
4	Rectangular Grey		7.8x3.9x2.3	2455	30.42	40	2950	
5	Rectangular Grey		7.8x3.9x2.3	2486	30.42	40	2950	
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7								
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16								

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Phone Nos. 042-99029202, 042-99029217

20

Dr. Aqsa

To: **Sub Divisional Officer**

Buildings Sub Division No.22, Lahore

Project: Upgradation and Development of Shrine of Hazrat Bibi Pak Daman, Lahore

Our Ref. No. CL/CED/

1025

Dated:

21-10-20

Your Ref. No.

552/22nd

Dated:

17-10-20

COMPRESSION TEST REPORT

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

Specimens received on:

19-10-20

Tested on:

21-10-20

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	Pile Work for Right Side	21	9	2020	6x6x6	8	36	67	4170	Engraved
2	Pile Work for Right Side	21	9	2020	6x6x6	8	36	71	4420	Engraved
3	Pile Work for Right Side	21	9	2020	6x6x6	8.2	36	70	4360	Engraved
4	Pile Work for Back Side	24	9	2020	6x6x6	8.4	36	86	5360	Engraved
5	Pile Work for Back Side	24	9	2020	6x6x6	8.4	36	51	3180	Engraved
6	Pile Work for Back Side	24	9	2020	6x6x6	8.4	36	82	5110	Engraved
7										
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10										
11										
12										
13										
14										
15										
16										

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13
Dr. Aqsa

To: **M. Imran**
Lahore
Project: Nil

Our Ref. No. CL/CED/ 1026 Dated: 21-10-20
Your Ref. No. Nil Dated: 16-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 16-10-20 Tested on: 21-10-20 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	Raft	1	10	2020	6x6x6	8.4	36	61	3800	Engraved
2	Raft	1	10	2020	6x6x6	8.2	36	52	3240	Engraved
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4										
5										
6										
7										
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Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

10647
Dr. Aqsa

To: Deputy Director (Civil Works)
Punjab Land Records Authority, Lahore
Project: Construction of PLRA Arazi Record Centers Across Punjab (Lot-3 North Region)

Our Ref. No. CL/CED/ 1027-1 of 5 Dated: 21-10-20

Your Ref. No. PLRA/DD.(C.W)/QP/2020/02/10 Dated: 25-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-10-20 Tested on: 21-10-20 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	100211 (Road Sultan Fsd)		8.9x4.3x3.1	3536	38.27	65	3810	
2	100211 (Road Sultan Fsd)		8.9x4.1x3.0	3556	36.49	61	3750	
3	100211 (Road Sultan Fsd)		8.8x4.2x3.0	3447	36.96	65	3940	
4	100211 (Road Sultan Fsd)		8.9x4.2x3.1	3548	37.38	58	3480	
5	100211 (Road Sultan Fsd)		8.8x4.1x3.1	3460	36.08	65	4040	
6	100212 (Garh Morr Fsd)		8.8x4.3x3.1	3491	37.84	60	3560	
7	100212 (Garh Morr Fsd)		8.9x4.2x3.1	3509	37.38	67	4020	
8	100212 (Garh Morr Fsd)		8.9x4.3x3.0	3584	38.27	64	3750	
9	100212 (Garh Morr Fsd)		9.0x4.3x3.1	3441	38.7	53	3070	
10	100212 (Garh Morr Fsd)		8.8x4.3x3.0	3501	37.84	59	3500	
11	100213 (Meeranwala Fsd)		8.7x4.2x3.0	3495	36.54	63	3870	
12	100213 (Meeranwala Fsd)		8.8x4.2x3.1	3470	36.96	65	3940	
13	100213 (Meeranwala Fsd)		8.9x4.1x3.0	3517	36.49	61	3750	
14	100213 (Meeranwala Fsd)		8.9x4.2x3.0	3535	37.38	65	3900	
15	100213 (Meeranwala Fsd)		8.9x4.3x3.1	3588	38.27	60	3520	
16								

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10647
Dr. Aqsa

To: Deputy Director (Civil Works)
Punjab Land Records Authority, Lahore
Project: Construction of PLRA Arazi Record Centers Across Punjab (Lot-3 North Region)

Our Ref. No. CL/CED/ 1027-2 of 5 Dated: 21-10-20

Your Ref. No. PLRA/DD.(C.W)/QP/2020/02/10 Dated: 25-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-10-20 Tested on: 21-10-20 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	100214 (Chand Bharwana Fsd)		8.8x4.2x3.0	3422	36.96	57	3460	
17	100214 (Chand Bharwana Fsd)		8.8x4.2x3.1	3497	36.96	57	3460	
18	100214 (Chand Bharwana Fsd)		9.0x4.2x3.1	3561	37.8	56	3320	
19	100214 (Chand Bharwana Fsd)		8.9x4.2x3.0	3504	37.38	58	3480	
20	100214 (Chand Bharwana Fsd)		8.8x4.2x3.0	3449	36.96	55	3340	
21	100215 (Mangowana Fsd)		9.0x4.3x3.2	3697	38.7	51	2960	
22	100215 (Mangowana Fsd)		8.9x4.3x3.0	3609	38.27	57	3340	
23	100215 (Mangowana Fsd)		8.8x4.2x3.0	3476	36.96	59	3580	
24	100215 (Mangowana Fsd)		8.8x4.2x3.1	3497	36.96	59	3580	
25	100215 (Mangowana Fsd)		8.8x4.2x3.0	3463	36.96	58	3520	
26	100216 (Thekri wala Fsd)		8.9x4.2x3.1	3639	37.38	56	3360	
27	100216 (Thekri wala Fsd)		9.0x4.3x3.2	3650	38.7	59	3420	
28	100216 (Thekri wala Fsd)		8.9x4.3x3.1	3637	38.27	62	3630	
29	100216 (Thekri wala Fsd)		8.9x4.3x3.1	3653	38.27	53	3110	
30	100216 (Thekri wala Fsd)		8.8x4.3x3.1	3552	37.84	53	3140	
16								

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10647
Dr. Aqsa

To: Deputy Director (Civil Works)
Punjab Land Records Authority, Lahore
Project: Construction of PLRA Arazi Record Centers Across Punjab (Lot-3 North Region)

Our Ref. No. CL/CED/ 1027-3 of 5 Dated: 21-10-20

Your Ref. No. PLRA/DD.(C.W)/QP/2020/02/10 Dated: 25-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-10-20 Tested on: 21-10-20 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
31	100217 (Ghatt Wala Fsd)		8.8x4.2x3.0	3526	36.96	55	3340	
32	100217 (Ghatt Wala Fsd)		8.9x4.2x3.1	3546	37.38	60	3600	
33	100217 (Ghatt Wala Fsd)		8.8x4.2x3.0	3437	36.96	54	3280	
34	100217 (Ghatt Wala Fsd)		8.8x4.2x3.0	3557	36.96	55	3340	
35	100217 (Ghatt Wala Fsd)		8.9x4.2x3.1	3462	37.38	56	3360	
36	100218 (Attock-1 Rwpdi)		8.9x4.3x3.1	3507	38.27	59	3460	
37	100218 (Attock-1 Rwpdi)		8.9x4.2x3.0	3417	37.38	53	3180	
38	100218 (Attock-1 Rwpdi)		8.8x4.2x3.1	3474	36.96	62	3760	
39	100218 (Attock-1 Rwpdi)		8.9x4.2x3.1	3494	37.38	54	3240	
40	100218 (Attock-1 Rwpdi)		8.8x4.3x3.0	3478	37.84	54	3200	
41	100218 (Attock Bahtar Rwpdi)		8.9x4.2x3.0	3491	37.38	54	3240	
42	100218 (Attock Bahtar Rwpdi)		8.9x4.1x3.1	3423	36.49	54	3320	
43	100218 (Attock Bahtar Rwpdi)		8.8x4.2x3.0	3517	36.96	53	3220	
44	100218 (Attock Bahtar Rwpdi)		8.7x4.2x3.1	3464	36.54	48	2950	
45	100218 (Attock Bahtar Rwpdi)		8.9x4.1x3.1	3488	36.49	53	3260	
16								

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10647
Dr. Aqsa

To: Deputy Director (Civil Works)
Punjab Land Records Authority, Lahore
Project: Construction of PLRA Arazi Record Centers Across Punjab (Lot-3 North Region)

Our Ref. No. CL/CED/ 1027-4 of 5 Dated: 21-10-20
Your Ref. No. PLRA/DD.(C.W)/QP/2020/02/10 Dated: 25-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-10-20 Tested on: 21-10-20 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
46	100220 (Jand Attock Rwpdi)		8.9x4.3x3.1	3482	38.27	52	3050	
47	100220 (Jand Attock Rwpdi)		8.9x4.3x3.0	3508	38.27	53	3110	
48	100220 (Jand Attock Rwpdi)		8.8x4.2x3.1	3450	36.96	57	3460	
49	100220 (Jand Attock Rwpdi)		8.7x4.2x3.1	3481	36.54	57	3500	
50	100220 (Jand Attock Rwpdi)		8.8x4.2x3.0	3419	36.96	55	3340	
51	100221 (2 Mail, Jand Rwpdi)		8.9x4.1x3.0	3490	36.49	51	3140	
52	100221 (2 Mail, Jand Rwpdi)		9.0x4.3x3.1	3504	38.7	62	3590	
53	100221 (2 Mail, Jand Rwpdi)		8.8x4.2x3.0	3413	36.96	55	3340	
54	100221 (2 Mail, Jand Rwpdi)		9.0x4.2x3.0	3486	37.8	53	3150	
55	100221 (2 Mail, Jand Rwpdi)		8.8x4.2x3.0	3436	36.96	62	3760	
56	100222 (Tajak, Attock Rwpdi)		8.8x4.2x3.0	3451	36.96	59	3580	
57	100222 (Tajak, Attock Rwpdi)		8.8x4.1x3.1	3521	36.08	63	3920	
58	100222 (Tajak, Attock Rwpdi)		8.8x4.2x3.0	3567	36.96	59	3580	
59	100222 (Tajak, Attock Rwpdi)		8.8x4.2x3.1	3570	36.96	61	3700	
60	100222 (Tajak, Attock Rwpdi)		9.0x4.4x3.1	3543	39.6	54	3060	
16								

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10647
Dr. Aqsa

To: Deputy Director (Civil Works)
Punjab Land Records Authority, Lahore
Project: Construction of PLRA Arazi Record Centers Across Punjab (Lot-3 North Region)

Our Ref. No. CL/CED/ 1027-5 of 5 Dated: 21-10-20
Your Ref. No. PLRA/DD.(C.W)/QP/2020/02/10 Dated: 25-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-10-20 Tested on: 21-10-20 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
61	100223 (Mitha Lak Sargodha)		8.8x4.2x3.0	3433	36.96	50	3030	
62	100223 (Mitha Lak Sargodha)		8.9x4.3x3.1	3584	38.27	55	3220	
63	100223 (Mitha Lak Sargodha)		8.8x4.2x3.0	3485	36.96	55	3340	
64	100223 (Mitha Lak Sargodha)		8.9x4.1x3.0	3598	36.49	53	3260	
65	100223 (Mitha Lak Sargodha)		8.8x4.1x3.0	3647	36.08	55	3420	
66	100224 (Bhagtawala Sgd)		8.8x4.2x3.0	3440	36.96	49	2970	
67	100224 (Bhagtawala Sgd)		8.7x4.2x3.0	3414	36.54	54	3310	
68	100224 (Bhagtawala Sgd)		8.9x4.2x3.1	3506	37.38	58	3480	
69	100224 (Bhagtawala Sgd)		8.8x4.2x3.0	3487	36.96	54	3280	
70	100224 (Bhagtawala Sgd)		9.0x4.2x3.1	3639	37.8	53	3150	
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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