



# Plain and Reinforced Concrete Laboratory

## Civil Engineering Department

University of Engineering and Technology, Lahore, Pakistan  
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

**ORIGINAL**  
A carbon copy for the report has been retained in the lab for record.

6969  
Dr. Aqsa

To: Mr. Xue Feiyang  
Deputy Manager, POWERCHINA SEPCO01 Electric Power Construction Co., Ltd.  
Project: WB-10A-2021 - Design, Supply, Installation, Testing and Commissioning Lot-1: Extension Works (1x600 MVA) and Augmentation Works (3x160 To 3x250 MVA) at 500KV Nokhar Grid Station.  
Our Ref. No. CL/CED/ 4579 Dated: 02-04-24  
Your Ref. No. WB-10A-GS-SEPCO01-128 Dated: 01-04-24

Test Specification  
(ASTM C39)

### COMPRESSION TEST REPORT



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

Specimens received on: 01-04-24 Tested on: 02-04-24 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Foundation Pads of Cable Trench	23	2	2024	6Diax12	---	13	28.28	65	5149	---	Non Engraved
2	Foundation Pads of Cable Trench	23	2	2024	6Diax12	---	14	28.28	79	6257	---	Non Engraved
3	Foundation Pads of Cable Trench	23	2	2024	6Diax12	---	14	28.28	65	5149	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* 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**  
**Civil Engineering Department**  
 University of Engineering and Technology, Lahore, Pakistan  
 Landline: 042-99029245 & 042-99029202      Mobile: 0307-0496895

ORIGINAL  
 A carbon copy for the report has been retained in the lab for record.

6975  
 Dr. Aqsa

To: Mr. Murat Waseem  
 M/s Premier Town Developers and Construction.

Project: Construction of 100,000 Galloons Over Head Water Tank at AL HAMRA Town Lahore.

Our Ref. No. CL/CED/ 4580

Dated: 02-04-24

Test Specification

Your Ref. No. ALHM/OHW/3724

Dated: 27-03-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 02-04-24      Tested on: 02-04-24      in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	O.H.W.T. Raft, 3000 Psi (1:2:4)	3	3	2024	6Diax12	---	14.6	28.28	65	5149	---	Non Engraved
2	O.H.W.T. Raft, 3000 Psi (1:2:4)	3	3	2024	6Diax12	---	14.2	28.28	42	3327	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* 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

## Civil Engineering Department

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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

**ORIGINAL**  
A carbon copy for the report has been retained in the lab for record.

6936  
Dr. Aqsa

To: Mr. M. Faisal Bhatti  
Construction Manager, Ittefaq Building Solutions (Pvt.) Ltd.  
Project: Construction of Mr. Chughtai House Residence at Plot # 74, Muneer Road Cantt. Lahore. (Omar House)  
Our Ref. No. CL/CED/ 4581 Dated: 02-04-24  
Your Ref. No. Nil Dated: 26-03-24

Test Specification  
(ASTM C39)

### COMPRESSION TEST REPORT



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

Specimens received on: 26-03-24 Tested on: 02-04-24 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Basement Slab (4000 Psi)	10	3	2024	6Diax12	---	14	28.28	86	6812	---	Non Engraved
2	Basement Slab (4000 Psi)	10	3	2024	6Diax12	---	13.8	28.28	78	6178	---	Non Engraved
3	Basement Slab (4000 Psi)	10	3	2024	6Diax12	---	14	28.28	60	4752	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* 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)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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**ORIGINAL**  
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6936  
Dr. Aqsa

To: Mr. M. Faisal Bhatti  
Construction Manager, Ittefaq Building Solutions (Pvt.) Ltd.

Project: Construction of Mr. Chughtai House Residence at Plot # 74, Muneer Road Cantt. Lahore. (Ali House)

Our Ref. No. CL/CED/ 4582

Dated: 02-04-24

Test Specification

Your Ref. No. Nil

Dated: 26-03-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 26-03-24 Tested on: 02-04-24 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Lift + Columns (4000 Psi)	26	2	2024	6Diax12	---	14	28.28	70	5545	---	Non Engraved
2	Lift + Columns (4000 Psi)	26	2	2024	6Diax12	---	13.6	28.28	67	5307	---	Non Engraved
3	Lift + Columns (4000 Psi)	26	2	2024	6Diax12	---	13.8	28.28	63	4990	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* 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)
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**ORIGINAL**  
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6970  
 Dr. Aqsa

**To: Mr. Muhammad Ismail**  
 ARE MMP Package-V, Okara. MM Pakistan (Pvt) Ltd.

**Project: Laying of Tuff Pavers/Tiles in Various Important Areas of Okara City. Punjab Cities Program (PCP)-PMDFC. (Contractor: M/S Muhammad Sajjad Pvt. Ltd.)**

**Our Ref. No. CL/CED/ 4583**

**Dated: 02-04-24**

**Test Specification**

**Your Ref. No. MMP/MCO/PCP/179/2023**

**Dated: 27-03-24**

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**COMPRESSION TEST REPORT**



ONLINE REPORT

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

**Specimens received on: 01-04-24      Tested on: 02-04-24      in dry/wet condition**

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Uni-Block, Grey, 60mm	---	---	---	2.4 thick	---	3435	36.44	151	9282	---	---
2	Uni-Block, Grey, 60mm	---	---	---	2.4 thick	---	3465	36.44	165	10143	---	---
3	Uni-Block, Grey, 60mm	---	---	---	2.4 thick	---	3475	36.44	173	10634	---	---
4	Uni-Block, Grey, 60mm	---	---	---	2.4 thick	---	3610	36.44	184	11311	---	---
5	Uni-Block, Red, 60mm	---	---	---	2.3 thick	---	3265	36.44	148	9098	---	---
6	Uni-Block, Red, 60mm	---	---	---	2.3 thick	---	3445	36.44	143	8790	---	---
7	Uni-Block, Red, 60mm	---	---	---	2.3 thick	---	3445	36.44	176	10819	---	---
8	Uni-Block, Red, 60mm	---	---	---	2.3 thick	---	3420	36.44	187	11495	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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**Witnessed by: Mr. Muhammad Ismail, ARE MMP & Mr. Zia Mohiuddin, Senior Draftsman-PMDFC**

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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- 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**  
**Civil Engineering Department**  
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**ORIGINAL**  
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6970  
 Dr. Aqsa

**To: Mr. Muhammad Ismail**  
 ARE MMP Package-V, Okara. MM Pakistan (Pvt) Ltd.

**Project: Improvement of Road from Tank to Harnian Wala Chowk Okara. Punjab Cities Program (PCP)-PMDFC. (Contractor: M/S Muhammad Sajjad Pvt. Ltd.)**

**Our Ref. No. CL/CED/ 4584**

**Dated: 02-04-24**

**Test Specification**

**Your Ref. No. MMP/MCO/PCP/180/2024**

**Dated: 27-03-24**

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## COMPRESSION TEST REPORT



ONLINE REPORT

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

**Specimens received on: 01-04-24    Tested on: 02-04-24    in dry/wet condition**

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Uni-Block, Grey, 80mm	---	---	---	3.2 thick	---	4715	36.99	104	6298	---	---
2	Uni-Block, Grey, 80mm	---	---	---	3.2 thick	---	4825	36.99	109	6601	---	---
3	Uni-Block, Grey, 80mm	---	---	---	3.2 thick	---	4640	36.99	108	6540	---	---
4	Uni-Block, Grey, 80mm	---	---	---	3.2 thick	---	4830	36.99	102	6177	---	---
5	Uni-Block, Red, 80mm	---	---	---	3.2 thick	---	4725	36.99	92	5571	---	---
6	Uni-Block, Red, 80mm	---	---	---	3.2 thick	---	4515	36.99	109	6601	---	---
7	Uni-Block, Red, 80mm	---	---	---	3.2 thick	---	4695	36.99	91	5511	---	---
8	Uni-Block, Red, 80mm	---	---	---	3.2 thick	---	4635	36.99	99	5995	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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**Witnessed by: Mr. Muhammad Ismail, ARE MMP & Mr. Zia Mohiuddin, Senior Draftsman-PMDFC**

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**Supervisor (Lab)**

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6923  
 Dr. Aqsa

**To:** Engr. M. Abrar Ahmad  
 M.Sc. Structural Engineer, Abrar Ahmad Associates.

**Project:** 49-Ghaznavi Comm. Bahria Town Lahore.

**Our Ref. No. CL/CED/ 4585**

**Dated: 02-04-24**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 25-03-24**

**(ASTM C39)**

## COMPRESSION TEST REPORT



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

**Specimens received on:** 25-03-24 **Tested on:** 02-04-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	2nd Floor Column	24	2	2024	6Diax12	---	14	28.28	53	4198	---	Non Engraved
2	2nd Floor Column	24	2	2024	6Diax12	---	14	28.28	58	4594	---	Non Engraved
3	2nd Floor Column	24	2	2024	6Diax12	---	14	28.28	46	3644	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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**Witnessed by: Nil**

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* as engraved on the specimens (if any)
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**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
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**ORIGINAL**  
 A carbon copy for the report has been retained in the lab for record.

6953  
 Dr. Aqsa

**To:** Mr. Kamran Khan  
 Procurement Manager, Q-Links Construction.

**Project:** Jasmine Grand Mall, Bahria Town Lahore.

**Our Ref. No. CL/CED/ 4586**

**Dated: 02-04-24**

**Test Specification**

**Your Ref. No. QLC-JGM-2023-LTR-12-A**

**Dated: 27-03-24**

**(ASTM C39)**

## COMPRESSION TEST REPORT



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

**Specimens received on:** 28-03-24 **Tested on:** 02-04-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Normal Cylinder	2	10	2023	6Diax12	---	14.6	28.28	69	5465	---	Engraved
2	FRCP (Wrapped), Cylinder	2	10	2023	6Diax12	---	15.4	28.28	134	10614	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by: Nil**

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* 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**