



**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.

471  
 Dr. M. Yousaf

**To:** Resident Engineer  
 Civitech Engineering Consultant, Lahore. (Contractor: M/S Sunrise Construction Pvt. Ltd.)  
**Project:** The Chief Minister Wildlife Rescue Force at Safari Zoo Lahore. (Ground Floor Slab Bear & Leopard Cage at Safari Zoo Lahore). (Cement Used: Bestway OPC). (Client: Wildlife and Parks Govt. of Punjab)  
 Our Ref. No. CL/CED/ 9875      Dated: 06/11/2025  
 Your Ref. No. CIVITECH/RE/CMWRF/LHR/03      Dated: 10/10/2025

Test Specification  
 ( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: **06/11/2025** Tested on: **06/11/2025** 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	3000 Psi, (1:2:4)	13	9	2025	6x6x6	---	8.4	36	76	4729	---	Non Engraved
2	3000 Psi, (1:2:4)	13	9	2025	6x6x6	---	8.6	36	110	6844	---	Non Engraved
3	3000 Psi, (1:2:4)	13	9	2025	6x6x6	---	8.8	36	92	5724	---	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-reports1/>

- \* 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



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**Civil Engineering Department**  
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471  
 Dr. M. Yousaf

**To:** Resident Engineer  
 Civitech Engineering Consultant, Lahore. (Contractor: M/S Sunrise Construction Pvt. Ltd.)  
**Project:** The Chief Minister Wildlife Rescue Force at Safari Zoo Lahore. (Ground Floor Slab Vet Clinic at Safari Zoo Lahore). (Cement Used: Bestway OPC). (Client: Wildlife and Parks Govt. of Punjab)  
 Our Ref. No. CL/CED/ 9876      Dated: 06/11/2025      Test Specification  
 Your Ref. No. CIVITECH/RE/CMWRF/LHR/05      Dated: 06/11/2025      ( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: **06/11/2025** Tested on: **06/11/2025** 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	3000 Psi, (1:2:4)	10	10	2025	6x6x6	---	9	36	112	6969	---	Non Engraved
2	3000 Psi, (1:2:4)	10	10	2025	6x6x6	---	8.8	36	82	5102	---	Non Engraved
3	3000 Psi, (1:2:4)	10	10	2025	6x6x6	---	9	36	112	6969	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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
- \*\*\* 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

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Director/Dy. Director Concrete Laboratory



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469  
 Dr. M. Yousaf

**To: Mr. Imran Arshad**  
 CEO of Company, Prime Construction Solutions, Raiwind Road, Lahore.

**Project: Mr. Babar Hameed Residence Barki Road, Lahore.**

**Our Ref. No. CL/CED/ 9877**

**Dated: 06/11/2025**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 05/09/2025**

**( BS 1881-116 )**

## COMPRESSION TEST REPORT



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

**Specimens received on: 05/11/2025    Tested on: 06/11/2025    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	---	1	8	2025	6x6x6	---	8.4	36	124	7716	---	Non Engraved
2	---	1	8	2025	6x6x6	---	8.8	36	128	7964	---	Non Engraved
3	---	1	8	2025	6x6x6	---	8.4	36	100	6222	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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**Witnessed by: Nil**

**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
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* AC1318-08 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**



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404  
 Dr. M. Yousaf

**To: Mr. M. Armughan Khan**  
 DEPUTY DIRECTOR (QCD) WASA, LAHORE.

**Project: Testing of Concrete Cube against Tender No. XEN (O&M-I) N.T / 2024 - 2025 / 54 - Improvement of Water Supply and Sewerage System in UC-249 Nishter Zone Lahore. (M/S. Awais Asif Builder & Developer)**  
 Our Ref. No. CL/CED/ 9878      Dated: 06/11/2025

Your Ref. No. QCD/4366

Dated: 23/10/2025

Test Specification  
 ( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: 28/10/2025 Tested on: 06/11/2025 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	---	10	9	2025	6x6x6	---	8.2	36	72	4480	---	Engraved
2	---	10	9	2025	6x6x6	---	8.4	36	69	4293	---	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-reports1/>

- \* 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
- \*\*\*\* AC1318-08 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

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462  
 Dr. M. Yousaf

**To:** Construction Manager  
 For Ittefaq Building Solutions (Pvt) Ltd. (Ittefaq Housing Solutions)

**Project:** House for Mr. Noor-ul-Amin, 613-Z, Phase 3, DHA Lahore.

**Our Ref. No.** CL/CED/ 9879

**Dated:** 06/11/2025

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 29/10/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 04/11/2025 **Tested on:** 06/11/2025 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, R.W (3000 Psi)	8	9	2025	6x6x6	---	8	36	58	3609	---	Non Engraved
2	Basement, R.W (3000 Psi)	8	9	2025	6x6x6	---	8.6	36	60	3733	---	Non Engraved
3	Basement, R.W (3000 Psi)	8	9	2025	6x6x6	---	8	36	54	3360	---	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-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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462  
 Dr. M. Yousaf

**To:** Construction Manager  
 For Ittefaq Building Solutions (Pvt) Ltd. (Ittefaq Housing Solutions)

**Project:** House for Mr. Abdullah Imtiaz, 605-Z, Phase 3, DHA Lahore

**Our Ref. No.** CL/CED/ 9880

**Dated:** 06/11/2025

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 29/10/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 04/11/2025 **Tested on:** 06/11/2025 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 (3000 Psi)	24	9	2025	6x6x6	---	8.2	36	50	3111	---	Non Engraved
2	Basement Slab (3000 Psi)	24	9	2025	6x6x6	---	8	36	47	2924	---	Non Engraved
3	Basement Slab (3000 Psi)	24	9	2025	6x6x6	---	7.8	36	56	3484	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:** Nil

**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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442  
 Dr. M. Yousaf

**To:** Engr. Altaf Hussain  
 Resident Engineer Lahore Division. For Project Manager, BARQAAB Consulting Services.

**Project:** Construction of Civic Enforcement Station in Tehsil Kasur.

**Our Ref. No.** CL/CED/ 9881

**Dated:** 06/11/2025

**Test Specification**

**Your Ref. No.** PM(BQB)-PERA-ES Kasur/RE Lhr/213-17

**Dated:** 31/10/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 03/11/2025 **Tested on:** 06/11/2025 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	Strip Foundation (1:2:4)	7	10	2025	6x6x6	---	8.6	36	94	5849	---	Non Engraved
2	Strip Foundation (1:2:4)	7	10	2025	6x6x6	---	8	36	54	3360	---	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-reports1/>

- \* 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
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**Director/Dy. Director Concrete Laboratory**



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443  
 Dr. M. Yousaf

**To: Sub Divisional Officer**  
 Buildings Sub Division No.5, Lahore  
**Project: Construction of 28 Nos. Residences Double Storey for BS-1 to 10 for Warders at 22 Jails One each (One at District Jail Lahore) Group No.2 .**  
 Our Ref. No. CL/CED/ 9882      Dated: 06/11/2025  
 Your Ref. No. No. 4869/5th      Dated: 25/09/2025

Test Specification  
 ( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: **03/11/2025** Tested on: **06/11/2025** 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	(1:2:4)	22	8	2025	6x6x6	---	8.6	36	133	8276	---	Non Engraved
2	(1:2:4)	22	8	2025	6x6x6	---	8.8	36	84	5227	---	Non Engraved
3	(1:2:4)	22	8	2025	6x6x6	---	8.4	36	92	5724	---	Non Engraved
4	(1:1.5:3)	20	8	2025	6x6x6	---	8.8	36	114	7093	---	Non Engraved
5	(1:1.5:3)	20	8	2025	6x6x6	---	8.4	36	108	6720	---	Non Engraved
6	(1:1.5:3)	20	8	2025	6x6x6	---	8.6	36	130	8089	---	Non Engraved
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-reports1/>

- \* 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**