



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.

1736
 Dr. Aqsa

To: Brig. Saeed Ahmad Malik (Resident Engineer)
 NESPAK (Pvt.) Ltd. Lahore (Highways & Transportation Division)

Project: Constuction of Secuirty Plan for Ladies and Gents Entry and Exit at Shrine Hazrat Data Gunj Bakhs (RA) Lahore.

Our Ref. No. CL/CED/ 4800

Dated: 27-08-21

Test Specification

Your Ref. No. 4084/BSAM/104/453

Dated: 19-06-21

(----)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: **12-08-21** Tested on: **26-08-21** 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 Absorpti on (%)	Remarks
		DD	MM	YYYY								
1	S	---	---	---	8.7x4.1x2.8	3459	3120	35.67	79	4961	10.87	---
2	S	---	---	---	8.7x4.2x2.9	3595	3255	36.54	76	4659	10.45	---
3	S	---	---	---	8.6x4.2x2.9	3491	3160	36.12	78	4837	10.47	---
4	S	---	---	---	8.4x4.2x2.8	3404	3080	35.28	79	5016	10.52	---
5	S	---	---	---	8.7x4.2x2.8	3442	3120	36.54	84	5149	10.32	---
6	S	---	---	---	8.5x4.1x2.9	3374	3055	34.85	82	5271	10.44	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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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ORIGINAL
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1789
 Dr. Aqsa

To: Deputy Director, Engg.
 Sec I&II, Package, -I, LOLMTP, LDA, Lahore.

Project: Constuction of Baghbanpura Police Station GT Road Lahore. Lahore Orange Line Metro Train Project (Package-I)

Our Ref. No. CL/CED/ 4801

Dated: 27-08-21

Test Specification

Your Ref. No. DD/PKG-1/LOLMTP/DA/69

Dated: 25-06-21

(BS 1881-116)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: 25-08-21 **Tested on:** 26-08-21 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 Absorpti on (%)	Remarks
		DD	MM	YYYY								
1	---	28	7	2021	6x6x6	---	9	36	79	4916	---	Engraved
2	---	28	7	2021	6x6x6	---	9	36	80	4978	---	Engraved
3	---	28	7	2021	6x6x6	---	9.2	36	79	4916	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

1780
 Dr. Aqsa

To: Sub Divisional Officer
 Maintenance Sub Division No-III GOR-II Lahore.

Project: Constuction of Multi-Storey Flats / Suites For Officers of P&D and in GOR-III, Shadman Lahore.

Our Ref. No. CL/CED/ 4802

Dated: 27-08-21

Test Specification

Your Ref. No. No.421

Dated: 21-06-21

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 25-08-21 Tested on: 26-08-21 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 Absorpti on (%)	Remarks
		DD	MM	YYYY								
1	(1:2:4)	17	7	2021	6x6x6	---	8.4	36	81	5040	---	Engraved
2	(1:2:4)	17	7	2021	6x6x6	---	8.4	36	82	5102	---	Engraved
3	(1:2:4)	17	7	2021	6x6x6	---	8.8	36	81	5040	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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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ORIGINAL
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1780
 Dr. Aqsa

To: Sub Divisional Officer
 Maintenance Sub Division No-III GOR-II Lahore.

Project: Constuction of Multi-Storey Flats / Suites For Officers of P&D and in GOR-III, Shadman Lahore.

Our Ref. No. CL/CED/ 4803

Dated: 27-08-21

Test Specification

Your Ref. No. No.471

Dated: 21-06-21

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 25-08-21 Tested on: 26-08-21 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 Absorpti on (%)	Remarks
		DD	MM	YYYY								
1	(1:1.5:3)	3	7	2021	6x6x6	---	9	36	95	5911	---	Engraved
2	(1:1.5:3)	3	7	2021	6x6x6	---	8.4	36	108	6720	---	Engraved
3	(1:1.5:3)	3	7	2021	6x6x6	---	8.6	36	110	6844	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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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ORIGINAL
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1704
 Dr. Umbreen

To: M/s CMPak Limited.
 Islamabad.

Project: Construction of CMPak Data Center Quaid-e-Azam Industrial Estate (KPL)Lahore.

Our Ref. No. CL/CED/ 4805

Dated: 27-08-21

Test Specification

Your Ref. No. CMPak/NDC/Cylinder/01

Dated: 03-08-21

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 09-08-2021. Tested on: 12-08-21 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	(1:1.5:3) A1	6	7	2021	6Diax12	---	13.4	28.28	49	3881	---	Non Engraved
2	(1:1.5:3) C2	6	7	2021	6Diax12	---	13.8	28.28	55	4356	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Usama Majeed 35101-1327513-7

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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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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1770
 Dr. Aqsa

To: Mr. Imran Akhtar (Project Manager)
 M/s CM Engineering (Pvt.) Ltd. Lahore.

Project: CMPAK Project Site ID: 43465

Our Ref. No. CL/CED/ 4806

Dated: 27-08-21

Test Specification

Your Ref. No. CME/Cubes/CMPAK/719

Dated: 20-08-21

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 23-08-21 **Tested on:** 26-08-21 **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	RT Complete Found (1:1.5:3)	13	8	2021	6x6x6	---	8.2	36	77	4791	---	Non Engraved
2	RT Complete Found (1:1.5:3)	13	8	2021	6x6x6	---	8.2	36	73	4542	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

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

Director/Dy. Director Concrete Laboratory



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1770
 Dr. Aqsa

To: Mr. Imran Akhtar (Project Manager)
 M/s CM Engineering (Pvt.) Ltd. Lahore.

Project: CMPAK Project Site ID: 42942

Our Ref. No. CL/CED/ 4807

Dated: 27-08-21

Test Specification

Your Ref. No. CME/Cubes/CMPAK/722

Dated: 21-08-21

(BS 1881-116)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: **23-08-21** Tested on: **26-08-21** 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	Raft (1:1.5:3)	14	8	2021	6x6x6	---	8.4	36	69	4293	---	Non Engraved
2	Raft (1:1.5:3)	14	8	2021	6x6x6	---	8.2	36	96	5973	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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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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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1770
 Dr. Aqsa

To: Mr. Imran Akhtar (Project Manager)
 M/s CM Engineering (Pvt.) Ltd. Lahore.

Project: CMPAK Project Site ID: 42942

Our Ref. No. CL/CED/ 4808

Dated: 27-08-21

Test Specification

Your Ref. No. CME/Cubes/CMPAK/754

Dated: 22-08-21

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: **23-08-21** Tested on: **26-08-21** 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	Col+ ODU PAD (1:1.5:3)	15	8	2021	6x6x6	---	8.6	36	113	7031	---	Non Engraved
2	Col+ ODU PAD (1:1.5:3)	15	8	2021	6x6x6	---	8.8	36	110	6844	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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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- 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.

1770
 Dr. Aqsa

To: Mr. Imran Akhtar (Project Manager)
 M/s CM Engineering (Pvt.) Ltd. Lahore.

Project: CMPAK Project Site ID: 43461

Our Ref. No. CL/CED/ 4809

Dated: 27-08-21

Test Specification

Your Ref. No. CME/Cubes/CMPAK/753

Dated: 24-08-21

(BS 1881-116)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: **23-08-21** Tested on: **26-08-21** 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	Col+ODU PAD (1:1.5:3)	17	8	2021	6x6x6	---	8.4	36	116	7218	---	Non Engraved
2	Col+ODU PAD (1:1.5:3)	17	8	2021	6x6x6	---	8.6	36	114	7093	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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



Plain and Reinforced Concrete Laboratory
Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
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1770
 Dr. Aqsa

To: Mr. Imran Akhtar (Project Manager)
 M/s CM Engineering (Pvt.) Ltd. Lahore.

Project: CMPAK Project Site ID: 43461

Our Ref. No. CL/CED/ 4810

Dated: 27-08-21

Test Specification

Your Ref. No. CME/Cubes/CMPAK/752

Dated: 23-08-21

(BS 1881-116)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: **23-08-21** Tested on: **26-08-21** 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	Raft (1:1.5:3)	16	8	2021	6x6x6	---	8.4	36	127	7902	---	Non Engraved
2	Raft (1:1.5:3)	16	8	2021	6x6x6	---	8.2	36	60	3733	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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



Plain and Reinforced Concrete Laboratory
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 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
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1770
 Dr. Aqsa

To: Mr. Imran Akhtar (Project Manager)
 M/s CM Engineering (Pvt.) Ltd. Lahore.

Project: CMPAK Project Site ID: 53231

Our Ref. No. CL/CED/ 4811

Dated: 27-08-21

Test Specification

Your Ref. No. CME/Cubes/CMPAK/747

Dated: 26-08-21

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: **23-08-21** Tested on: **26-08-21** 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	ODU PAD (1:1.5:3)	29	7	2021	6x6x6	---	8.6	36	82	5102	---	Non Engraved
2	ODU PAD (1:1.5:3)	29	7	2021	6x6x6	---	8.6	36	93	5787	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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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