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.

5870
Dr. M.Yousaf

To: Mr. Muhammad Asif
Project Manager, Imperium Developers

Project: Construction of Sixty6 at Gulberg-III, Lahore.

Our Ref. No. CL/CED/ 2900 **Dated: 12-09-23**

Your Ref. No. IMP/66/09/92 **Dated: 06-09-23**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 07-09-23 **Tested on:** 11-09-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	5000 Psi	25	7	2023	6Diax12	---	13.8	28.28	70	5545	---	Non Engraved
2	5000 Psi	25	7	2023	6Diax12	---	13.6	28.28	71	5624	---	Non Engraved
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Witnessed by: Mr. M. Husnain Imran, Imperium Developers

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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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5870
Dr. M.Yousaf

To: Muhammad Asif, P.M, Imperium Developers
Project Manager, Imperium Developers

Project: Construction of Sixty6 at Gulberg-III, Lahore

Our Ref. No. CL/CED/ 2901 **Dated:** 12-09-23

Your Ref. No. IMP/66/09/93 **Dated:** 06-09-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 07-09-23 **Tested on:** 11-09-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	5000 Psi	6	8	2023	6Diax12	---	13.6	28.28	58	4594	---	Non Engraved
2	5000 Psi	6	8	2023	6Diax12	---	13.6	28.28	64	5069	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. M. Husnain Imran, Imperium Developers

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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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5870
Dr. M.Yousaf

To: Muhammad Asif, P.M, Imperium Developers
Project Manager, Imperium Developers

Project: Construction of Sixty6 at Gulberg-III, Lahore

Our Ref. No. CL/CED/ 2902 **Dated: 12-09-23**

Your Ref. No. IMP/66/09/94 **Dated: 06-09-23**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 07-09-23 **Tested on:** 11-09-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	3000 Psi	7	8	2023	6Diax12	---	14.2	28.28	44	3485	---	Non Engraved
2	3000 Psi	7	8	2023	6Diax12	---	13.6	28.28	49	3881	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. M. Husnain Imran, Imperium Developers

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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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5862
Dr. M.Yousaf

To: Engr. Hamza
Site Engineer, Architects In Design

Project: Commercial Building at Plot # 6C and 7Q, Block Q, Gulberg II, Lahore. (Total No. of Floors = 14), (Height of the Building = + 190)

Our Ref. No. CL/CED/ 2903 Dated: 12-09-23

Your Ref. No. Nil Dated: 05-09-23

Test Specification (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 06-09-23 Tested on: 11-09-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	---	28	8	2023	6Diax12	---	13.4	28.28	24	1901	---	Non Engraved
2	---	28	8	2023	6Diax12	---	13.8	28.28	34	2693	---	Non Engraved
3	---	28	8	2023	6Diax12	---	13.8	28.28	36	2851	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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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5845
Dr. M. Yousaf

To: **Mr. Taslim Alam**
Resident Engineer, Zeroline Bridge, Kartarpur. NESPAK (Pvt.) Ltd.

Project: Construction of Bridge and Access Road at Zero Line Kartarpur Corridor.

Our Ref. No. CL/CED/ 2904-1 of 2 **Dated: 12-09-23**

Your Ref. No. 4371/021/TA/01/093 **Dated: 31-08-23**

Test Specification
(----)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 05-09-23 **Tested on:** 11-09-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2785	29.64	107	8086	---	---
2	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2810	29.64	93	7028	---	---
3	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2655	29.64	82	6197	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.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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5845
Dr. M. Yousaf

To: Mr. Taslim Alam
Resident Engineer, Zeroline Bridge, Kartarpur. NESPAK (Pvt.) Ltd.

Project: Construction of Bridge and Access Road at Zero Line Kartarpur Corridor.

Our Ref. No. CL/CED/ 2904-2 of 2 Dated: 12-09-23 Test Specification

Your Ref. No. 4371/021/TA/01/093 Dated: 31-08-23 (----)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 05-09-23 Tested on: 11-09-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Kerb Stone (12x12x6)	---	---	---	5.9 x 5.9 x 5.8	---	7.4	34.81	39	2510	---	Cut Cube
2	Kerb Stone (12x12x6)	---	---	---	5.9 x 5.8 x 5.8	---	7	34.22	31	2029	---	Cut Cube
3	Kerb Stone (12x12x6)	---	---	---	5.9 x 5.8 x 5.8	---	7	34.22	42.5	2782	---	Cut Cube
4	Kerb Stone (18x9x4)	---	---	---	6 x 5.9 x 4	---	5.4	35.4	67	4240	---	Cut Cube
5	Kerb Stone (18x9x4)	---	---	---	6 x 5.9 x 4	---	5.2	35.4	69	4366	---	Cut Cube
6	Kerb Stone (18x9x4)	---	---	---	6 x 5.9 x 4	---	5	35.4	64	4050	---	Cut Cube
7	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

1. * as engraved on the specimens (if any)
2. ** 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

1.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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5874
Dr. M. Yousaf

To: Mr. Hafiz Zahid
Proprietor, Hadad Group, Building Contractors

Project: Nil

Our Ref. No. CL/CED/ 2905 **Dated:** 12-09-23 **Test Specification**

Your Ref. No. Nil **Dated:** 08-09-23 (----)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 08-09-23 **Tested on:** 11-09-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	I-Section, Grey, 60mm	---	---	---	2.3 thick	---	3145	36.7	96	5859	---	---
2	I-Section, Grey, 60mm	---	---	---	2.3 thick	---	2905	36.7	100	6104	---	---
3	I-Section, Grey, 60mm	---	---	---	2.3 thick	---	3110	36.7	84	5127	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

5751
Dr. M. Yousaf

To: Assistant Resident Engineer
JERS Consultancy (Pvt.) Ltd. Lahore.

Project: PCP (Phase-II) Provision of Tuff Pavers on 3 Roads in MC, Daska.

Our Ref. No. CL/CED/ 2906 **Dated: 12-09-23** **Test Specification**

Your Ref. No. 488-J01-ARE-2(DSK-R)/49 **Dated: Nil** **(BS 3921**)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 22-08-23 **Tested on:** 11-09-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	A	---	---	---	8.7 x 4.2 x 2.7	3020	2615	36.54	44	2697	15.49	---
2	A	---	---	---	8.7 x 4.3 x 2.7	3185	2820	37.41	29	1736	12.94	---
3	A	---	---	---	8.4 x 4.1 x 2.7	2910	2580	34.44	50	3252	12.79	---
4	A	---	---	---	8.5 x 4.1 x 2.7	2945	2695	34.85	44	2828	9.28	---
5	A	---	---	---	8.7 x 4.2 x 2.8	3105	2760	36.54	40	2452	12.5	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

5787
Dr. M. Yousaf

To: Engr. Mughanim Rehman, Planning and Coordination Engr.
Ittefaq Building Solutions Pvt. Ltd.

Project: Construction of Bulleh Shah Girls High School.

Our Ref. No. CL/CED/ 2907 Dated: 12-09-23

Your Ref. No. IBS/BSP/BSGHS Dated: 25-08-23

Test Specification
(BS 3921**)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 25-08-23 Tested on: 11-09-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	11	---	---	---	8.7 x 4.3 x 3	3620	3240	37.41	28	1677	11.73	---
2	11	---	---	---	8.8 x 4.3 x 3	3705	3390	37.84	40	2368	9.29	---
3	11	---	---	---	8.8 x 4.3 x 3.1	3895	3356	37.84	41	2427	16.06	---
4	11	---	---	---	8.9 x 4.4 x 3	3840	3465	39.16	40	2288	10.82	---
5	11	---	---	---	8.9 x 4.5 x 3.1	3955	3485	40.05	27	1510	13.49	---
6	MZ	---	---	---	8.8 x 4.5 x 3.1	3805	3355	39.6	25	1414	13.41	---
7	MZ	---	---	---	8.8 x 4.1 x 3.1	3825	3440	36.08	39	2421	11.19	---
8	MZ	---	---	---	8.8 x 4.3 x 2.9	3890	3475	37.84	39	2309	11.94	---
9	MZ	---	---	---	8.8 x 4.4 x 3	3795	3425	38.72	43	2488	10.8	---
10	MZ	---	---	---	8.8 x 4.4 x 3	3755	3390	38.72	43	2488	10.77	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

5843
Dr. Asad Gilani

To: Engr. Muhammad Ashraf Bhatti
Construction Manager, BARQAAB Consulting Services Pvt. Ltd.

Project: Contract No. ADB-300AR-2021, Procurement of Plant, Design, Supply, Installation, Testing & Commissioning of 500/220/132kV Lahore North Substation & Extension Works at 500/220/132kV Nokhar

Our Ref. No. CL/CED/ 2908-1 of 2 Dated: 12-09-23

Your Ref. No. 500kV/SS/N-LHR/BQB/133 Dated: 01-09-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 04-09-23 **Tested on:** 07-09-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	---	24	8	2023	6Diax12	---	13.2	28.28	56	4436	---	Non Engraved
2	---	24	8	2023	6Diax12	---	13.4	28.28	42	3327	---	Non Engraved
3	---	24	8	2023	6Diax12	---	13	28.28	46	3644	---	Non Engraved
4	---	24	8	2023	6Diax12	---	13.2	28.28	48	3802	---	Non Engraved
5	---	24	8	2023	6Diax12	---	13	28.28	54	4277	---	Non Engraved
6	---	24	8	2023	6Diax12	---	13.4	28.28	44	3485	---	Non Engraved
7	---	24	8	2023	6Diax12	---	13	28.28	54	4277	---	Non Engraved
8	---	24	8	2023	6Diax12	---	13	28.28	52	4119	---	Non Engraved
9	---	24	8	2023	6Diax12	---	13.2	28.28	56	4436	---	Non Engraved
10	---	15	8	2023	6Diax12	---	13.2	28.28	52	4119	---	Engraved
11	---	15	8	2023	6Diax12	---	13.2	28.28	46	3644	---	Engraved
12	---	15	8	2023	6Diax12	---	13	28.28	48	3802	---	Engraved
13	---	16	8	2023	6Diax12	---	13.2	28.28	46	3644	---	Engraved
14	---	16	8	2023	6Diax12	---	13	28.28	44	3485	---	Engraved
15	---	16	8	2023	6Diax12	---	13	28.28	46	3644	---	Engraved
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: (Mr. Mohsin Bhatti, NTDC) & (Mr. M. Farhan, Barqaab)

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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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5843
Dr. Asad Gilani

To: Engr. Muhammad Ashraf Bhatti
Construction Manager, BARQAAB Consulting Services Pvt. Ltd.

Project: Contract No. ADB-300AR-2021, Procurement of Plant, Design, Supply, Installation, Testing & Commissioning of 500/220/132kV Lahore North Substation & Extension Works at 500/220/132kV Nokhar

Our Ref. No. CL/CED/ 2908-2 of 2 Dated: 12-09-23

Your Ref. No. 500kV/SS/N-LHR/BQB/133 Dated: 01-09-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 04-09-23 Tested on: 07-09-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	---	17	8	2023	6Diax12	---	13	28.28	46	3644	---	Non Engraved
2	---	17	8	2023	6Diax12	---	13.4	28.28	48	3802	---	Non Engraved
3	---	17	8	2023	6Diax12	---	13.2	28.28	46	3644	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: (Mr. Mohsin Bhatti, NTDC) & (Mr. M. Farhan, Barqaab)

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

5879
Dr. Aqsa

To: Mr. Zakria Basharat
Architect, M/S MAZ Developers Pvt. Ltd.

Project: Construction of MAZ Opulence-I, SMC, Sialkot.

Our Ref. No. CL/CED/ 2909 **Dated: 12-09-23** **Test Specification**

Your Ref. No. Nil **Dated: 08-09-23** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 11-09-23 **Tested on:** 12-09-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	G-20, Lot-1	2	9	2023	6Diax12	---	13.2	28.28	59	4673	---	Non Engraved
2	G-20, Lot-1	2	9	2023	6Diax12	---	13.4	28.28	57	4515	---	Non Engraved
3	G-20, Lot-1	2	9	2023	6Diax12	---	13.4	28.28	53	4198	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

5884
Dr. Aqsa

To: Mr. Muhammad Waqas
Senior Manager Technical, NRTC Energies Pvt. Ltd.

Project: Mazhar Lines & Chitral Lines

Our Ref. No. CL/CED/ 2910 **Dated:** 12-09-23

Your Ref. No. NE/TEST/2023911-01 **Dated:** 11-09-23

Test Specification (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 11-09-23 **Tested on:** 12-09-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	---	5	8	2023	6Diax12	---	13	28.28	53	4198	---	Non Engraved
2	---	5	8	2023	6Diax12	---	13	28.28	63	4990	---	Non Engraved
3	---	5	8	2023	6Diax12	---	13.8	28.28	53	4198	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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Note: Above results pertain to the unsealed samples supplied to the laboratory

1.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**

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.

5846
Dr. Aqsa

To: Mr. Muhammad Ehtesham Uddin
Project Manager, Optimedia Pvt. Ltd.

Project: Building Constructing at Ferozpure Road, Lahore.

Our Ref. No. CL/CED/ 2911 **Dated:** 12-09-23 **Test Specification**

Your Ref. No. Nil **Dated:** 04-09-23 **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 05-09-23 **Tested on:** 12-09-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	---	4	8	2023	6Diax12	---	12.2	28.28	53	4198	---	Engraved
2	---	4	8	2023	6Diax12	---	12.4	28.28	44	3485	---	Engraved
3	---	4	8	2023	6Diax12	---	12.4	28.28	52	4119	---	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/

1. * as engraved on the specimens (if any)
2. ** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

5850
Dr. Aqsa

To: Engr. Hassan Mahmood
Resident Engineer, G3 Engineering Consultants Pvt. Ltd.

Project: Construction of DHA Newlife Residency Appartments at 273/1 Q Block Phase-II DHA, Lahore.
(Retaining Wall of B-Block at Grid N-P & Line 14 and I-K & Line 14)

Our Ref. No. CL/CED/ 2912 Dated: 12-09-23

Your Ref. No. G3/DHA-NLD/RE/184 Dated: 02-09-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 05-09-23 Tested on: 12-09-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	4000 Psi	7	8	2023	6Diax12	---	14	28.28	46	3644	---	Engraved
2	4000 Psi	7	8	2023	6Diax12	---	13.2	28.28	51	4040	---	Engraved
3	4000 Psi	7	8	2023	6Diax12	---	13	28.28	58	4594	---	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/

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2. ** 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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Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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

ORIGINAL
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5883
Dr. Aqsa

To: Eng.Tanveer Afzal
General Manager-Blue Bricks, Blue Town Sapphire, Lahore.

Project: Blue Town Sapphire Housing Scheme Lahore

Our Ref. No. CL/CED/ 2913 Dated: 12-09-23

Your Ref. No. BTS/Lab/00107 Dated: 11-09-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 11-09-23 Tested on: 12-09-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	---	3	8	2023	6Diax12	---	12.8	28.28	71	5624	---	Engraved
2	---	3	8	2023	6Diax12	---	13	28.28	62	4911	---	Engraved
3	---	3	9	2023	6Diax12	---	13.2	28.28	42	3327	---	Non Engraved
4	---	3	9	2023	6Diax12	---	13	28.28	46	3644	---	Non Engraved
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-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

5868
Dr. Aqsa

To: Mr. Nasir Mehmood
Construction Manager, Elite Engineering Pvt. Ltd. Engineering, Procurement & Construction

Project: WB-10-B Extension Works at 2220KVA University Grid Station Bhara Kahu, Islamabad.

Our Ref. No. CL/CED/ 2914 Dated: 12-09-23

Your Ref. No. EEPL/09/EL-02 Dated: 06-09-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 07-09-23 **Tested on:** 12-09-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Gantry Foundation Conc.	29	8	2023	6Diax12	---	14	28.28	48	3802	---	Non Engraved
2	Gantry Foundation Conc.	29	8	2023	6Diax12	---	13.4	28.28	48	3802	---	Non Engraved
3	Gantry Foundation Conc.	29	8	2023	6Diax12	---	14	28.28	55	4356	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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7	---	---	---	---	---	---	---	---	---	---	---	---
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9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: (Mr. Sohaib Ali, NESPAK), (Mr. Shaheer Shahbaz, Siemens) & (Mr. Naveed Iqbal, Elite Engg.)

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**