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.

7784
Dr. Ubaid Ahmad

To: Engr. M Usama
Project Engineer, Struc-Arch Pakistan.

Project: CONSTRUCTION OF NEW 500KV CIRCUIT BREAKER FOUNDATIONS AT ROUSH POWER PLANT, KHANEWAL PAKISTAN. (Lean Concrete of Foundation B3Q2 (L1, L2, L3) & B2Q2 (L1,L2,L3)).

Our Ref. No. CL/CED/ 5867 Dated: 11-09-24

Your Ref. No. Rousch/24/MU/10 Dated: 06-09-24

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 10-09-24 **Tested on:** 11-09-24 **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	---	9	8	2024	6Diax12	---	13	28.28	37	2931	---	Non Engraved
2	---	9	8	2024	6Diax12	---	13	28.28	43	3406	---	Non Engraved
3	---	9	8	2024	6Diax12	---	13	28.28	35	2772	---	Non Engraved
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)
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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7784
Dr. Ubaid Ahmad

To: Engr. M Usama
Project Engineer, Struc-Arch Pakistan.

Project: CONSTRUCTION OF NEW 500KV CIRCUIT BREAKER FOUNDATIONS AT ROUSH POWER PLANT, KHANEWAL PAKISTAN. (Pedestal Concrete of Foundation B2Q2L2).

Our Ref. No. CL/CED/ 5868 Dated: 11-09-24 **Test Specification**

Your Ref. No. Rousch/24/MU/11 Dated: 08-09-24 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 10-09-24 **Tested on:** 11-09-24 **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	---	2	9	2024	6Diax12	---	13	28.28	52	4119	---	Non Engraved
2	---	2	9	2024	6Diax12	---	13	28.28	43	3406	---	Non Engraved
3	---	2	9	2024	6Diax12	---	14	28.28	45	3564	---	Non Engraved
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)
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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Dr. Ubaid Ahmad

To: Engr. M Usama
Project Engineer, Struc-Arch Pakistan.

Project: CONSTRUCTION OF NEW 500KV CIRCUIT BREAKER FOUNDATIONS AT ROUSH POWER PLANT, KHANEWAL PAKISTAN. (Pedestal Concrete of Foundation B2Q2L1).

Our Ref. No. CL/CED/ 5869 Dated: 11-09-24 **Test Specification**

Your Ref. No. Rousch/24/MU/09 Dated: 06-09-24 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 10-09-24 **Tested on:** 11-09-24 **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	---	31	8	2024	6Diax12	---	13	28.28	33	2614	---	Non Engraved
2	---	31	8	2024	6Diax12	---	13	28.28	43	3406	---	Non Engraved
3	---	31	8	2024	6Diax12	---	13.2	28.28	45	3564	---	Non 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/

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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7787
Dr. Ubaid Ahmad

To: GRAYWAYS ENGINEERS
Bomanji Square, Office # 19, 4th Floor, Nusrat Road, Multan Cantt.

Project: Nil

Our Ref. No. CL/CED/ 5870 **Dated:** 11-09-24

Your Ref. No. GW/24/0012 **Dated:** 11-09-24

Test Specification (----)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 11-09-24 **Tested on:** 11-09-24 **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, Grey, 60mm	22	7	2024	7.8 x 3.9 x 2.3	---	2620	30.42	60	4418	---	---
2	Rectangular, Grey, 60mm	22	7	2024	7.8 x 3.9 x 2.3	---	2625	30.42	64	4713	---	---
3	Rectangular, Grey, 60mm	22	7	2024	7.8 x 3.9 x 2.3	---	2730	30.42	65	4786	---	---
4	Rectangular, Grey, 60mm	22	7	2024	7.8 x 3.9 x 2.3	---	2700	30.42	58	4271	---	---
5	Rectangular, Grey, 60mm	22	7	2024	7.8 x 3.9 x 2.3	---	2625	30.42	74	5449	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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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 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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7787
Dr. Ubaid Ahmad

To: GRAYWAYS ENGINEERS
Bomanji Square, Office # 19, 4th Floor, Nusrat Road, Multan Cantt.

Project: Nil

Our Ref. No. CL/CED/ 5871 **Dated:** 11-09-24

Your Ref. No. GW/24/0012 **Dated:** 10-09-24

Test Specification (----)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 11-09-24 **Tested on:** 11-09-24 **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, Grey, 60mm	26	8	2024	7.8 x 3.9 x 2.3	---	2690	30.42	66	4860	---	---
2	Rectangular, Grey, 60mm	26	8	2024	7.8 x 3.9 x 2.3	---	2690	30.42	60	4418	---	---
3	Rectangular, Grey, 60mm	26	8	2024	7.8 x 3.9 x 2.3	---	2730	30.42	76	5596	---	---
4	Rectangular, Grey, 60mm	26	8	2024	7.8 x 3.9 x 2.3	---	2655	30.42	58	4271	---	---
5	Rectangular, Grey, 60mm	26	8	2024	7.8 x 3.9 x 2.3	---	2745	30.42	81	5964	---	---
6	Rectangular, Grey, 60mm	28	8	2024	7.8 x 3.9 x 2.3	---	2765	30.42	53	3903	---	---
7	Rectangular, Grey, 60mm	28	8	2024	7.8 x 3.9 x 2.3	---	2805	30.42	75	5523	---	---
8	Rectangular, Grey, 60mm	28	8	2024	7.8 x 3.9 x 2.3	---	2835	30.42	65	4786	---	---
9	Rectangular, Grey, 60mm	28	8	2024	7.8 x 3.9 x 2.3	---	2730	30.42	61	4492	---	---
10	Rectangular, Grey, 60mm	28	8	2024	7.8 x 3.9 x 2.3	---	2705	30.42	58	4271	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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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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7777
Dr. M. Mazhar

To: Mr. Tahawar Owais
Project Manager, DSG Energy

Project: Construction of Office Building at 29-M QIE, Lahore.

Our Ref. No. CL/CED/ 5872 **Dated: 11-09-24** **Test Specification**

Your Ref. No. Nil **Dated: Nil** **(ASTM C39)**

COMPRESSION TEST REPORT

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

Specimens received on: 09-09-24 Tested on: 11-09-24 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	---	1	9	2024	6Diax12	---	13	28.28	48	3802	---	Non Engraved
2	---	1	9	2024	6Diax12	---	13	28.28	46	3644	---	Non Engraved
3	---	1	9	2024	6Diax12	---	13	28.28	48	3802	---	Non Engraved
4	---	1	9	2024	6Diax12	---	13	28.28	32	2535	---	Non Engraved
5	---	1	9	2024	6Diax12	---	13.6	28.28	20	1584	---	Non Engraved
6	---	1	9	2024	6Diax12	---	12.8	28.28	18	1426	---	Non Engraved
7		1	9	2024	6Diax12	---	13	28.28	30	2376	---	Non Engraved
8	---	1	9	2024	6Diax12	---	12.8	28.28	18	1426	---	Non Engraved
9	---	1	9	2024	6Diax12	---	13.6	28.28	34	2693	---	Non Engraved
10	---	---	---	---	---	---	---	---	---	---	---	---
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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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Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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

ORIGINAL
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7770
Dr. M. Mazhar

To: Sub Divisional Officer
Buildings Sub Division No.12, Lahore.

Project: Institutional Strengthening of Primary & Secondary Health Care Department Punjab "Construction of Development Wing."

Our Ref. No. CL/CED/ 5873 Dated: 11-09-24 Test Specification

Your Ref. No. 460 Dated: 04-09-24 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 09-09-24 Tested on: 11-09-24 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	Strip Foundation (1:2:4)	7	8	2024	6x6x6	---	8.6	36	44	2738	---	Non Engraved
2	Strip Foundation (1:2:4)	7	8	2024	6x6x6	---	8.6	36	40	2489	---	Non Engraved
3	Strip Foundation (1:2:4)	7	8	2024	6x6x6	---	8	36	44	2738	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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)
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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7770
Dr. M. Mazhar

To: Sub Divisional Officer
Buildings Sub Division No.12, Lahore.

Project: Institutional Strengthening of Primary & Secondary Health Care Department Punjab "Construction of Development Wing."

Our Ref. No. CL/CED/ 5874 **Dated: 11-09-24** **Test Specification**

Your Ref. No. 463 **Dated: 04-09-24** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 09-09-24 **Tested on:** 11-09-24 **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	Footing Beams (1:2:4)	7	8	2024	6x6x6	---	8	36	68	4231	---	Non Engraved
2	Footing Beams (1:2:4)	7	8	2024	6x6x6	---	8.6	36	52	3236	---	Non Engraved
3	Footing Beams (1:2:4)	7	8	2024	6x6x6	---	8	36	48	2987	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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 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**