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.

3526
Dr. Mazhar

To: Mr. Saqib Rafique
Project Manager, BEMSOL (Pvt) Ltd.

Project: Trial Mix Design of StarchPack Greenfield Project at Kasur.

Our Ref. No. CL/CED/ 9326 Dated: 13/7/2022 **Test Specification**

Your Ref. No. BPL/2022070410 Dated: 04/07/2022 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 04/07/2022 **Tested on:** 13/7/2022 **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 MPA TM#10	4	6	2022	6x6x6	---	7.4	36	10	622	---	Non Engraved
2	11 MPA TM#10	4	6	2022	6x6x6	---	7.4	36	10	622	---	Non Engraved
3	11 MPA TM#10	4	6	2022	6x6x6	---	7.2	36	12	747	---	Non Engraved
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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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ORIGINAL
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3526
Dr. Mazhar

To: Mr. Saqib Rafique
Project Manager BEMSOL (Pvt) Ltd

Project: Trial Mix Design of StarchPack Greenfield Project at Kasur.

Our Ref. No. CL/CED/ 9327 Dated: 13/7/2022 **Test Specification**

Your Ref. No. BPL/2022070409 Dated: 04/07/2022 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 04/07/2022 **Tested on:** 13/7/2022 **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	35 MPA TM#09	4	6	2022	6x6x6	---	8.4	36	94	5849	---	Non Engraved
2	35 MPA TM#09	4	6	2022	6x6x6	---	8.4	36	94	5849	---	Non Engraved
3	35 MPA TM#09	4	6	2022	6x6x6	---	8.6	36	92	5724	---	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 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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3542
Dr. Mazhar

To: Sub Divisional Officer
Buildings Sub-Division Pattoki

Project: Construction of 20 Bedded Trauma Centre and Revamping of THQ Hospital Pattoki District Kasur (ADP No. 776 For the Year 2021-22). (Residence Grade 15-17).

Our Ref. No. CL/CED/ 9328 **Dated: 13/7/2022** **Test Specification**

Your Ref. No. 899/P **Dated: 06/06/2022** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 05/07/2022 Tested on: 13/7/2022 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	Raft Concrete Cube (1:2:4)	8	5	2022	6x6x6	---	8.4	36	86	5351	---	Non Engraved
2	Raft Concrete Cube (1:2:4)	8	5	2022	6x6x6	---	8.2	36	77	4791	---	Non Engraved
3	Raft Concrete Cube (1:2:4)	8	5	2022	6x6x6	---	8.2	36	61	3796	---	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 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
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ORIGINAL
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3542
Dr. Mazhar

To: Sub Divisional Officer
Buildings Sub-Division Pattoki

Project: Construction of 20 Bedded Trauma Centre and Revamping of THQ Hospital Pattoki District Kasur (ADP No. 776 For the Year 2021-22). (Main Building Trauma Centre).

Our Ref. No. CL/CED/ 9329 **Dated: 13/7/2022** **Test Specification**

Your Ref. No. 881/P **Dated: 26/5/2022** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 05/07/2022 Tested on: 13/7/2022 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	Raft Concrete Cube (1:2:4)	27	4	2022	6x6x6	---	8.4	36	63	3920	---	Non Engraved
2	Raft Concrete Cube (1:2:4)	27	4	2022	6x6x6	---	8.2	36	71	4418	---	Non Engraved
3	Raft Concrete Cube (1:2:4)	27	4	2022	6x6x6	---	8.2	36	53	3298	---	Non Engraved
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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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ORIGINAL
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3539
Dr. Mazhar

To: Mr. Khalil Ahmad, Project Manager
SA Garden Kala Shah Kaku.

Project: Beacon House School.

Our Ref. No. CL/CED/ 9330 Dated: 13/7/2022 **Test Specification**

Your Ref. No. SA/PM/Dev/1006 Dated: 03/07/2022 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 05/07/2022 **Tested on:** 13/7/2022 **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	RCC Column Ground Floor Top	28	5	2022	6x6x6	---	8.2	36	55	3422	---	Non Engraved
2	RCC Column Ground Floor Top	28	5	2022	6x6x6	---	8.2	36	61	3796	---	Non Engraved
3	RCC Column Ground Floor Top	28	5	2022	6x6x6	---	8.2	36	57	3547	---	Non Engraved
4	RCC Slab Ground Floor (G-H)(3-7)	5	6	2022	6x6x6	---	8.4	36	59	3671	---	Non Engraved
5	RCC Slab Ground Floor (G-H)(3-7)	5	6	2022	6x6x6	---	8.4	36	71	4418	---	Non Engraved
6	RCC Slab Ground Floor (G-H)(3-7)	5	6	2022	6x6x6	---	8.2	36	57	3547	---	Non Engraved
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
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)
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Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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3514
Dr. Mazhar

To: (Shahid Tabassum), Divisional Forest Officer
Kasur Forest Division at Changa Manga.

Project: Strengthening of Protection Regime in Changa Manga Irrigated Plantation.

Our Ref. No. CL/CED/ 9331-1 of 2 **Dated:** 13/7/2022 **Test Specification**

Your Ref. No. 809/AC **Dated:** 16/5/2022 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 30/6/2022 **Tested on:** 13/7/2022 **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	Concrete Cube (1:2:4)	18	4	2022	6x6x6	---	8	36	63	3920	---	Non Engraved
2	Concrete Cube (1:2:4)	18	4	2022	6x6x6	---	8	36	59	3671	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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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ORIGINAL
A carbon copy for the report has been retained in the lab for record.

3534
Dr. Mazhar

To: M. Suliman Chughtai
Project Engineer

Project: Testing of cube for the Proposed Industrial Building for Addon at Kalam Kaar Road, Ferozepur Road Lahore.

Our Ref. No. CL/CED/ 9332 **Dated: 13/7/2022** **Test Specification**

Your Ref. No. Nil **Dated: Nil** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 05/07/2022 Tested on: 13/7/2022 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	Concrete Cube (1:2:4)	4	6	2022	6x6x6	---	8	36	63	3920	---	Non Engraved
2	Concrete Cube (1:2:4)	4	6	2022	6x6x6	---	7.8	36	65	4044	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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 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
A carbon copy for the report has been retained in the lab for record.

3453
Dr. Umbreen

To: Muhammad Imran Khan
Material Engineer ECSP PIPAL House A-Block.

Project: Reconstruction of PIPAL House A-Block Lahore. (M/s Uni Build Associates Pvt. Ltd.).

Our Ref. No. CL/CED/ 9333 **Dated:** 13/7/2022 **Test Specification**

Your Ref. No. 343/ECSP/PH/ME/22 **Dated:** 13/6/2022 **(BS 3921**)**

COMPRESSION TEST REPORT

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

Specimens received on: 17/6/2022 **Tested on:** 07/07/2022 **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	F17	---	---	---	8.8 x 4.1 x 3	3705	3320	36.08	45	2794	11.6	---
2	F17	---	---	---	9 x 4.3 x 3	3710	3175	38.7	30	1736	16.85	---
3	F17	---	---	---	8.9 x 4.3 x 3.1	3950	3455	38.27	43	2517	14.33	---
4	F17	---	---	---	8.8 x 4.3 x 3	3830	3395	37.84	35	2072	12.81	---
5	F17	---	---	---	8.8 x 4.3 x 3	3860	3345	37.84	50	2960	15.4	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
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.

3505
Dr. Mazhar

To: Muhammad Azhar
Resident Engineer, Barrage, IBC

Project: Rehabilitation and Modernization of Islam Barrage.

Our Ref. No. CL/CED/ 9334 **Dated: 13/7/2022** **Test Specification**

Your Ref. No. IBC/RE/UET/22 **Dated: 26/6/2022** **(BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 28/6/2022 **Tested on:** 13/7/2022 **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	Brick Tile	---	---	---	9.9 x 4.8 x 1.4	2125	1770	47.52	62	2923	20.06	---
2	Brick Tile	---	---	---	9.8 x 4.8 x 1.3	2060	1745	47.04	64	3048	18.05	---
3	Brick Tile	---	---	---	9.9 x 4.7 x 1.3	2000	1700	46.53	59	2840	17.65	---
4	Brick Tile	---	---	---	9.8 x 4.8 x 1.4	2120	1765	47.04	60	2857	20.11	---
5	Brick Tile	---	---	---	9.9 x 4.9 x 1.4	2060	1730	48.51	56	2586	19.08	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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