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.

3348
Dr. Aqsa

To: Mr. Zulfiqar Mustafa (Head of Operations)
BEMSOL Pvt. Ltd. Lahore

Project: Trial Mix Design for StarchPack Greenfield at Kasur

Our Ref. No. CL/CED/ 8997 **Dated: 01-06-22** **Test Specification**

Your Ref. No. BPL/202205287 **Dated: 28-05-22** **(BS 1881-116)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 30-05-22 **Tested on:** 31-05-22 **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	TM # 07 26 Mpa	23	5	2022	6x6x6	---	8.6	36	43	2676	---	Non Engraved
2	TM # 07 26 Mpa	23	5	2022	6x6x6	---	8.4	36	81	5040	---	Non Engraved
3	TM # 07 26 Mpa	23	5	2022	6x6x6	---	8.2	36	55	3422	---	Non Engraved
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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**

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

3348
Dr. Aqsa

To: Mr. Zulfiqar Mustafa (Head of Operations)
BEMSOL Pvt. Ltd. Lahore

Project: Trial Mix Design for StarchPack Greenfield at Kasur

Our Ref. No. CL/CED/ 8998 **Dated: 01-06-22** **Test Specification**

Your Ref. No. BPL/202205286 **Dated: 28-05-22** **(BS 1881-116)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 30-05-22 **Tested on:** 31-05-22 **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	TM # 06 35 Mpa	23	5	2022	6x6x6	---	8.6	36	83	5164	---	Non Engraved
2	TM # 06 35 Mpa	23	5	2022	6x6x6	---	8.6	36	98	6098	---	Non Engraved
3	TM # 06 35 Mpa	23	5	2022	6x6x6	---	8.4	36	88	5476	---	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**

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ORIGINAL
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3348
Dr. Aqsa

To: Mr. Zulfiqar Mustafa (Head of Operations)
BEMSOL Pvt. Ltd. Lahore

Project: Trial Mix Design for StarchPack Greenfield at Kasur

Our Ref. No. CL/CED/ 8999 **Dated: 01-06-22** **Test Specification**

Your Ref. No. BPL/202205281 **Dated: 28-05-22** **(BS 1881-116)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 30-05-22 **Tested on:** 31-05-22 **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	TM # 01 11 Mpa	19	5	2022	6x6x6	---	7.4	36	10	622	---	Non Engraved
2	TM # 01 11 Mpa	19	5	2022	6x6x6	---	7.4	36	13	809	---	Non Engraved
3	TM # 01 11 Mpa	19	5	2022	6x6x6	---	7.6	36	12	747	---	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**

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ORIGINAL
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3348
Dr. Aqsa

To: Mr. Zulfiqar Mustafa (Head of Operations)
BEMSOL Pvt. Ltd. Lahore

Project: Trial Mix Design for StarchPack Greenfield at Kasur

Our Ref. No. CL/CED/ 9000 **Dated: 01-06-22** **Test Specification**

Your Ref. No. BPL/202205282 **Dated: 28-05-22** **(BS 1881-116)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 30-05-22 **Tested on:** 31-05-22 **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	TM # 02 11 Mpa	19	5	2022	6x6x6	---	7.2	36	7	436	---	Non Engraved
2	TM # 02 11 Mpa	19	5	2022	6x6x6	---	7	36	6	373	---	Non Engraved
3	TM # 02 11 Mpa	19	5	2022	6x6x6	---	6.8	36	5	311	---	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**

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ORIGINAL
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3348
Dr. Aqsa

To: Mr. Zulfiqar Mustafa (Head of Operations)
BEMSOL Pvt. Ltd. Lahore

Project: Trial Mix Design for StarchPack Greenfield at Kasur

Our Ref. No. CL/CED/ 9001 **Dated: 01-06-22** **Test Specification**

Your Ref. No. BPL/202205283 **Dated: 28-05-22** **(BS 1881-116)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 30-05-22 **Tested on:** 31-05-22 **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	TM # 03 35 Mpa	20	5	2022	6x6x6	---	8.6	36	110	6844	---	Non Engraved
2	TM # 03 35 Mpa	20	5	2022	6x6x6	---	8.6	36	112	6969	---	Non Engraved
3	TM # 03 35 Mpa	20	5	2022	6x6x6	---	8.6	36	113	7031	---	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**

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ORIGINAL
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3348
Dr. Aqsa

To: Mr. Zulfiqar Mustafa (Head of Operations)
BEMSOL Pvt. Ltd. Lahore

Project: Trial Mix Design for StarchPack Greenfield at Kasur

Our Ref. No. CL/CED/ 9002 **Dated: 01-06-22** **Test Specification**

Your Ref. No. BPL/202205284 **Dated: 28-05-22** **(BS 1881-116)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 30-05-22 **Tested on:** 31-05-22 **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	TM # 05 35 Mpa	21	5	2022	6x6x6	---	8.4	36	104	6471	---	Non Engraved
2	TM # 05 35 Mpa	21	5	2022	6x6x6	---	8.4	36	85	5289	---	Non Engraved
3	TM # 05 35 Mpa	21	5	2022	6x6x6	---	8.6	36	106	6596	---	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**

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ORIGINAL
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3348
Dr. Aqsa

To: Mr. Zulfiqar Mustafa (Head of Operations)
BEMSOL Pvt. Ltd. Lahore

Project: Trial Mix Design for StarchPack Greenfield at Kasur

Our Ref. No. CL/CED/ 9003 **Dated: 01-06-22** **Test Specification**

Your Ref. No. BPL/202205285 **Dated: 28-05-22** **(BS 1881-116)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 30-05-22 **Tested on:** 31-05-22 **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	TM # 04 35 Mpa	21	5	2022	6x6x6	---	8.6	36	85	5289	---	Non Engraved
2	TM # 04 35 Mpa	21	5	2022	6x6x6	---	8.4	36	95	5911	---	Non Engraved
3	TM # 04 35 Mpa	21	5	2022	6x6x6	---	8.4	36	92	5724	---	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**

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

3359
Dr. Mazhar

To: Lt. General Muhammad Zaki (Retd.)
0

Project: Construction of Commercial Building 49-C, DHA Phase-6, Lahore.

Our Ref. No. CL/CED/ 9004 **Dated: 01-06-22** **Test Specification**

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

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 31-05-22 Tested on: 01-06-22 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	With Sika Chem. (4000 Psi)	24	5	2022	6Diax12	---	13	28.28	39	3089	---	Engraved
2	With Sika Chem. (4000 Psi)	24	5	2022	6Diax12	---	12.2	28.28	49	3881	---	Engraved
3	With Sika Chem. (4000 Psi)	24	5	2022	6Diax12	---	11.8	28.28	43	3406	---	Engraved
4	Without Sika Chem. (4000 Psi)	24	5	2022	6Diax12	---	13.8	28.28	37	2931	---	Engraved
5	Without Sika Chem. (4000 Psi)	24	5	2022	6Diax12	---	13	28.28	35	2772	---	Engraved
6	Without Sika Chem. (4000 Psi)	24	5	2022	6Diax12	---	13.2	28.28	37	2931	---	Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
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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.

3241
Dr. Aqsa

To: Mr. Sh. Muhammad Tariq, Engineer REC
The Help Care Society (TAC) (M/S Muhammad Ashfaq Ch & Sons (Pvt) Ltd. Contractor)

Project: Construction of Extension Block (The Help Care Society) TAC School Johar Town Lahore.

Our Ref. No. CL/CED/ 9005 **Dated:** 01-06-22 **Test Specification**

Your Ref. No. JTC EXT-19 **Dated:** 11-05-22 **(BS 3921**)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 11-05-22 **Tested on:** 31/5/2022 **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	MT	---	---	---	8.7 x 4.1 x 3	3725	3405	35.67	51	3203	9.4	---
2	MT	---	---	---	8.7 x 4.1 x 3	3705	3380	35.67	43	2700	9.62	---
3	MT	---	---	---	8.7 x 4.3 x 3	3765	3385	37.41	46	2754	11.23	---
4	MT	---	---	---	8.7 x 4.2 x 2.9	3805	3350	36.54	46	2820	13.58	---
5	MT	---	---	---	8.7 x 4.1 x 2.9	3730	3305	35.67	45	2826	12.86	---
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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
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.

3241
Dr. Aqsa

To: Mr. Sh. Muhammad Tariq, Engineer REC
The Help Care Society (TAC) (M/S Muhammad Ashfaq Ch & Sons (Pvt) Ltd. Contractor)

Project: Construction of Extension Block (The Help Care Society) TAC School Johar Town Lahore.

Our Ref. No. CL/CED/ 9006 **Dated:** 01-06-22 **Test Specification**

Your Ref. No. JTC EXT-19 **Dated:** 11-05-22 (BS 3921**)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 11-05-22 **Tested on:** 31/5/2022 **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	HM	---	---	---	8.8 x 4.2 x 3.1	3810	3415	36.96	54	3273	11.57	---
2	HM	---	---	---	8.7 x 4.2 x 3	3695	3305	36.54	45	2759	11.8	---
3	HM	---	---	---	8.7 x 4.2 x 3.1	3810	3475	36.54	56	3433	9.64	---
4	HM	---	---	---	8.8 x 4.2 x 3.1	3770	3365	36.96	44	2667	12.04	---
5	HM	---	---	---	8.8 x 4.2 x 3	3765	3385	36.96	46	2788	11.23	---
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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
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.

3259
Dr. Aqsa

To: Sub Divisional Officer
Buildings Sub Division, Shahkot.

Project: Establishment of Trauma Center in THQ Hospital Shahkot District Nankana Sahib (ADP No. 875 FY 2021-22) (Boundary Wall Left, Back, & Right Side upto Plinth Beam).

Our Ref. No. CL/CED/ 9007 **Dated: 01-06-22** **Test Specification**

Your Ref. No. 2698-A/Skt **Dated: 30/3/2022** **(BS 3921**)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 16/5/2022 **Tested on:** 31/5/2022 **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	Machine Made, Double Line	---	---	---	8.7 x 4.2 x 2.7	3320	2820	36.54	75	4598	17.73	---
2	Machine Made, Double Line	---	---	---	8.8 x 4.2 x 2.7	3390	2870	36.96	37	2242	18.12	---
3	Machine Made, Double Line	---	---	---	8.7 x 4.2 x 2.8	3390	2855	36.54	33	2023	18.74	---
4	Machine Made, Double Line	---	---	---	8.6 x 4 x 2.9	3125	2595	34.4	25	1628	20.42	---
5	Machine Made, Double Line	---	---	---	8.6 x 4.2 x 2.7	3230	2775	36.12	36	2233	16.4	---
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**

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.

3259
Dr. Aqsa

To: Sub Divisional Officer
Buildings Sub Division, Shahkot

Project: Establishment of Trauma Center in THQ Hospital Shahkot District Nankana Sahib (ADP No. 875 FY 2021-22) (Above Plinth Beam)

Our Ref. No. CL/CED/ 9008 Dated: 01-06-22 Test Specification

Your Ref. No. 2746/Skt Dated: 26/4/2022 (BS 3921**)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 16/5/2022 **Tested on:** 31/5/2022 **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	S.G	---	---	---	8.7 x 4.2 x 2.7	3205	2770	36.54	49	3004	15.7	---
2	S.G	---	---	---	8.6 x 4.2 x 2.6	3255	2900	36.12	38	2357	12.24	---
3	S.G	---	---	---	8.5 x 4 x 2.7	3130	2860	34	57	3755	9.44	---
4	S.G	---	---	---	8.6 x 4.2 x 2.8	3270	2895	36.12	42	2605	12.95	---
5	S.G	---	---	---	8.7 x 4.1 x 2.7	3225	2865	35.67	35	2198	12.57	---
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)
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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.

3339
Dr. Aqsa

To: Mr. Muhammad Azhar, Resident Engineer, Barrage, IBC.
Islam Barrage Consultants (IBC). (Contractor; M/s DESCON Engineering Limited)

Project: Rehabilitation and Modernization of Islam Barrage. (Rehabilitation of Model Room Building)

Our Ref. No. CL/CED/ 9009 **Dated:** 01-06-22 **Test Specification**

Your Ref. No. IBC/RE/UET/007 **Dated:** 26/5/2022 (----)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 27/5/2022 **Tested on:** 31/5/2022 **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	I-Section, Grey 60mm	---	---	---	2.3 Thick	---	3895	37.44	143	8556	---	---
2	I-Section, Grey 60mm	---	---	---	2.3 Thick	---	3880	37.44	158	9453	---	---
3	I-Section, Grey 60mm	---	---	---	2.3 Thick	---	3840	37.44	169	10111	---	---
4	I-Section, Grey 60mm	---	---	---	2.3 Thick	---	3920	37.44	145	8675	---	---
5	I-Section, Grey 60mm	---	---	---	2.3 Thick	---	4040	37.44	130	7778	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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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)
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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.

3333
Dr. Umbreen

To: **Mr. Muhammad Shahbaz**
Imperium Hospitality (PVT) LTD.

Project: Nil

Our Ref. No. CL/CED/ 9010 **Dated: 01-06-22** **Test Specification**

Your Ref. No. IHPL/Con/790 **Dated: 24/5/2022** **(----)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 26/5/2022 Tested on: 01-06-22 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	Solid Block	---	---	---	11.9 x 7.9 x 7.8	---	25.4	94.01	114	2716	---	---
2	Solid Block	---	---	---	12 x 6 x 7.7	---	19.8	72	79	2458	---	---
3	Solid Block	---	---	---	11.9 x 4 x 8	---	13	47.6	39	1835	---	---
4	Hollow Block	---	---	---	15.5 x 7.9 x 7.5	---	18	68.45	45	1473	---	---
5	Hollow Block	---	---	---	15.6 x 6 x 7.5	---	15	63.66	31	1091	---	---
6	Hollow Block	---	---	---	15.5 x 3.9 x 7.5	---	11.2	47.45	31	1463	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Engr. Ali Hasnain Khan (King Concrete)

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