



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8201

Dr. Rizwan Riaz

To: **Engr. Tariq Hassan (Deputy Director Works)**

Mines Labour Welfare Organization, Lahore

Project: Establishment of 10 Bedded Mines labour Welfare Hospital Makerwal, Distt. Mianwali

Our Ref. No.
CL/CED/

7584

Dated:

25-03-19

Your Ref. No.

MLW/C.E/MT/50/17/2032

Dated:

27-02-19

COMPRESSION TEST REPORT

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

Specimens received
on:

05-03-19

Tested on:

20-03-19

in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	Fly Ash Brick			4115	9x4.5x2.8	3733	40.5	45	2490	10.23
2	Fly Ash Brick			4143	9x4.5x2.9	3852	40.5	47	2600	7.55
3	Fly Ash Brick			4081	9x4.5x3	3836	40.5	43	2380	6.38
4	Fly Ash Brick			4112	9x4.5x2.9	3900	40.5	55	3050	5.43
5	Fly Ash Brick			4057	9x4.5x2.9	3780	40.5	41	2270	7.32
6	Fly Ash Brick			4061	9x4.5x2.8	3799	40.5	37	2050	6.89
7	Fly Ash Brick			4066	9x4.5x2.9	3835	40.5	43	2380	6.02
8	Fly Ash Brick			3954	9x4.5x2.9	3553	40.5	39	2160	11.28
9	Fly Ash Brick			4082	9x4.5x3	3829	40.5	51	2830	6.6
10	Fly Ash Brick			4082	9x4.5x2.9	3807	40.5	35	1940	7.22
11	Fly Ash Brick			4080	9x4.5x2.9	3745	40.5	43	2380	8.94
12	Fly Ash Brick			4065	9x4.5x2.9	3732	40.5	43	2380	8.92
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

8257

To: **Mr. M. Munaim, Sr. Planning & Cost Control Engineer**
M/S Elite Engineering Pvt. Ltd.
Project: Sitara Petroleum Services Chung.

Dr. Umbreen

Our Ref. No. CL/CED/ 7585 Dated: 25-03-19

Your Ref. No. Nil Dated: 13-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-03-19 Tested on: 22-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Uni-Block Grey				2.3 thick	3371	37.25	130	7820	
2	Uni-Block Grey				2.3 thick	3356	37.25	108	6500	
3	Uni-Block Grey				2.3 thick	3402	37.25	100	6020	
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8240
Dr. Nauman

To: Project Director
Minhaj-ul-Quran International, 365, M Block Extension, Model Town, Lahore
Project:

Our Ref. No. CL/CED/ 7586 Dated: 25-03-19

Your Ref. No. DOC/1023/19 Dated: 09-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 11-03-19 Tested on: 12-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	3000 Psi	5	2	2019	6Diax12	13.4	28.28	87	6900	Non Engraved
2	3000 Psi	5	2	2019	6Diax12	13.2	28.28	77	6100	Non Engraved
3	3000 Psi	5	2	2019	6Diax12	13.4	28.28	61	4840	Non Engraved
4	3000 Psi	11	2	2019	6Diax12	13	28.28	43	3410	Non Engraved
5	3000 Psi	11	2	2019	6Diax12	12.8	28.28	41	3250	Non Engraved
6	3000 Psi	11	2	2019	6Diax12	13	28.28	49	3890	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8242

To: **Ch. Abdul Ghafoor, Resident Engineer**
PEPAC Pvt. Ltd.

Engr. Aamina

Project: Estab. of W.W.C (Ph-1), Adjacent to Sundar Industrial Estate Distt. Kasur. (Package B)

Our Ref. No. CL/CED/ 7587 Dated: 25-03-19

Your Ref. No. RE/PEPAC/Sundar/B-126 Dated: 11-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 19-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Col. F / FB-5	8	2	2019	6x6x6	8.4	36	94	5850	Engraved
2	Col. F / FB-5	8	2	2019	6x6x6	8.4	36	81	5040	Engraved
3	Col. F / FB-5	8	2	2019	6x6x6	8.4	36	79	4920	Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8242

To: **Ch. Abdul Ghafoor, Resident Engineer**
PEPAC Pvt. Ltd.

Engr. Aamina

Project: Estab. of W.W.C (Ph-1), Adjacent to Sundar Industrial Estate Distt. Kasur. (Package B)

Our Ref. No. CL/CED/ 7588 Dated: 25-03-19

Your Ref. No. RE/PEPAC/Sundar/B-127 Dated: 11-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 19-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	Col. 2nd / FB-9	9	2	2019	6x6x6	8.8	36	126	7840	Engraved
2	Col. 2nd / FB-9	9	2	2019	6x6x6	8.6	36	132	8220	Engraved
3	Col. 2nd / FB-9	9	2	2019	6x6x6	8.6	36	98	6100	Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

8242

To: Ch. Abdul Ghafoor, Resident Engineer

Engr. Aamina

PEPAC Pvt. Ltd.

Project: Estab. of W.W.C (Ph-1), Adjacent to Sundar Industrial Estate Distt. Kasur. (Package A)

Our Ref. No. CL/CED/

7589

Dated:

25-03-19

Your Ref. No.

RE/PEPAC/Sundar/B-
128

Dated:

11-03-19

COMPRESSION TEST REPORT

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

Specimens received on:

12-03-19

Tested on:

19-03-19

in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	Slab F / F A-6	11	2	2019	6x6x6	8.6	36	93	5790	Engraved
2	Slab F / F A-6	11	2	2019	6x6x6	8.6	36	106	6600	Engraved
3	Slab F / F A-6	11	2	2019	6x6x6	8.4	36	86	5360	Engraved
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Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8242

Engr. Aamina

To: **Ch. Abdul Ghafoor, Resident Engineer**

PEPAC Pvt. Ltd.

Project: Estab. of W.W.C (Ph-1), Adjacent to Sundar Industrial Estate Distt. Kasur. (Package B)

Our Ref. No. CL/CED/

7590

Dated:

25-03-19

Your Ref. No.

RE/PEPAC/Sundar/B-
129

Dated:

11-03-19

COMPRESSION TEST REPORT

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

Specimens received on:

12-03-19

Tested on:

19-03-19

in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	Slab 2nd / F B-7	12	2	2019	6x6x6	8.6	36	98	6100	Engraved
2	Slab 2nd / F B-7	12	2	2019	6x6x6	8.4	36	116	7220	Engraved
3	Slab 2nd / F B-7	12	2	2019	6x6x6	8.4	36	90	5600	Engraved
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** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8242

To: **Ch. Abdul Ghafoor, Resident Engineer**
PEPAC Pvt. Ltd.

Engr. Aamina

Project: Estab. of W.W.C (Ph-1), Adjacent to Sundar Industrial Estate Distt. Kasur. (Package B)

Our Ref. No. CL/CED/ 7591 Dated: 25-03-19

Your Ref. No. RE/PEPAC/Sundar/B-130 Dated: 11-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 19-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Slab G / F B-10	13	2	2019	6x6x6	8.8	36	112	6970	Engraved
2	Slab G / F B-10	13	2	2019	6x6x6	8.6	36	86	5360	Engraved
3	Slab G / F B-10	13	2	2019	6x6x6	8.8	36	86	5360	Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8243
Dr. Umbreen

To: Lt. Col @ Mir Muhammad Tanveer
Dir MRM&D, LGES Sectt. Tufail Road Lahore Cantt.
Project: Construction of Garrison Academy Walton Cantt. (Izhar Company)

Our Ref. No. CL/CED/ 7592 Dated: 25-03-19

Your Ref. No. LGES/MRM & D/53 Dated: 12-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 13-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Rectangular Grey				7.8x3.8x2.3	2689	29.64	110	8320	
2	Rectangular Grey				7.8x3.8x2.3	2674	29.64	102	7710	
3	Rectangular Grey				7.8x3.8x2.3	2702	29.64	128	9680	
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8243
Dr. Umbreen

To: Lt. Col @ Mir Muhammad Tanveer
Dir MRM&D, LGES Sectt. Tufail Road Lahore Cantt.
Project: Construction of Garrison Academy Walton Cantt. (Innovative Company)

Our Ref. No. CL/CED/ 7593 Dated: 25-03-19
Your Ref. No. LGES/MRM & D/53 Dated: 12-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 13-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Rectangular Grey				7.8x3.8x2.3	2714	29.64	86	6500	
2	Rectangular Grey				7.8x3.8x2.3	2699	29.64	67	5070	
3	Rectangular Grey				7.8x3.8x2.3	2687	29.64	63	4770	
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8244

Dr. Umbreen

To: Mr. Khurram Shahzad, Manager Projects
Integrated Engineering Services Pvt. Ltd.
Project:

Our Ref. No. CL/CED/ 7594 Dated: 25-03-19

Your Ref. No. Nil Dated: 12-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 22-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	Concrete Block	21	12	2018	6x6	6.2	28.28	61	4840	Non Engraved
2	Concrete Block	23	12	2018	6x6	6.4	28.28	33	2620	Non Engraved
3	Concrete Block	10	1	2019	6x6	6.2	28.28	39	3090	Non Engraved
4	Concrete Block	26	12	2018	6x6	6.2	28.28	53	4200	Non Engraved
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Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8245

Dr. Nauman

To: **Mr. Abdul Ghafar**

Project Manager, Liberty Builders

Project: Constt. of Zee Avenue, 17-A Cooper Road, Lahore. Zone-B, GF Column, (5000 Psi)

Our Ref. No. CL/CED/ 7595 Dated: 25-03-19

Your Ref. No. CONC-20190312 Dated: 12-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 12-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	451	2	3	2019	6Diax12	14.2	28.28	85	6740	Non Engraved
2	452	2	3	2019	6Diax12	14.4	28.28	85	6740	Non Engraved
3	453	2	3	2019	6Diax12	14	28.28	71	5630	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/testing_reports?id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8245
Dr. Nauman

To: Mr. Abdul Ghafar
Project Manager, Liberty Builders
Project: Constt. of Zee Avenue, 17-A Cooper Road, Lahore. Zone-A, GF Column, (5000 Psi)

Our Ref. No. CL/CED/ 7596 Dated: 25-03-19

Your Ref. No. CONC-20190312 Dated: 12-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 12-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	421	13	2	2019	6Diax12	14.2	28.28	59	4680	Non Engraved
2	422	13	2	2019	6Diax12	14	28.28	69	5470	Non Engraved
3	423	13	2	2019	6Diax12	14.6	28.28	89	7050	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8250
Dr. Umbreen

To: **Sub Divisional Officer (Buildings)**
Sub Division Ferozewala.

Project: Establishment of Public Library at Sharqpur Sharif Distt. Sheikhpura.

Our Ref. No. CL/CED/ 7597 Dated: 25-03-19

Your Ref. No. 82/F Dated: 08-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 13-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Uni-Block Grey				2.3 thick	3350	37.25	90	5420	
2	Uni-Block Grey				2.3 thick	3521	37.25	98	5900	
3	Uni-Block Grey				2.3 thick	3510	37.25	102	6140	
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252

Dr. Umbreen

To: Mr. Farhan Sajid, Resident Engineer
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7598 Dated: 25-03-19

Your Ref. No. RE/PG/18/5080 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	Lean Conc.	19	11	2018	6Diax12	14	28.28	57	4520	Non Engraved
2	Lean Conc.	19	11	2018	6Diax12	13.6	28.28	51	4040	Non Engraved
3	Lean Conc.	19	11	2018	6Diax12	13.4	28.28	71	5630	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252

Dr. Umbreen

To: **Mr. Farhan Sajid, Resident Engineer**
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7599 Dated: 25-03-19

Your Ref. No. RE/PG/18/5081 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	Footing	24	11	2018	6Diax12	13	28.28	73	5790	Non Engraved
2	Footing	24	11	2018	6Diax12	13.2	28.28	83	6580	Non Engraved
3	Footing	24	11	2018	6Diax12	13	28.28	83	6580	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252
Dr. Aqsa

To: Mr. Farhan Sajid, Resident Engineer
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7600 Dated: 25-03-19

Your Ref. No. RE/PG/18/5082 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	Plinth Beams	25	11	2018	6Diax12	13	28.28	93	7370	Non Engraved
2	Plinth Beams	25	11	2018	6Diax12	13.2	28.28	91	7210	Non Engraved
3	Plinth Beams	25	11	2018	6Diax12	13	28.28	80	6340	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252
Dr. Aqsa

To: **Mr. Farhan Sajid, Resident Engineer**
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7601 Dated: 25-03-19
Your Ref. No. RE/PG/18/5083 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	Column	26	11	2018	6Diax12	13.6	28.28	92	7290	Non Engraved
2	Column	26	11	2018	6Diax12	14	28.28	85	6740	Non Engraved
3	Column	26	11	2018	6Diax12	13.6	28.28	92	7290	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252
Dr. Aqsa

To: Mr. Farhan Sajid, Resident Engineer
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7602 Dated: 25-03-19
Your Ref. No. RE/PG/18/5084 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Slab & Beams	7	12	2018	6Diax12	13	28.28	59	4680	Non Engraved
2	Slab & Beams	7	12	2018	6Diax12	13.2	28.28	57	4520	Non Engraved
3	Slab & Beams	7	12	2018	6Diax12	13.2	28.28	77	6100	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252
Dr. Aqsa

To: Mr. Farhan Sajid, Resident Engineer
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7603 Dated: 25-03-19
Your Ref. No. RE/PG/18/5085 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	Column	12	12	2018	6Diax12	13.4	28.28	65	5150	Non Engraved
2	Column	12	12	2018	6Diax12	13.4	28.28	77	6100	Non Engraved
3	Column	12	12	2018	6Diax12	13.6	28.28	88	6980	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252
Dr. Aqsa

To: Mr. Farhan Sajid, Resident Engineer
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7604 Dated: 25-03-19
Your Ref. No. RE/PG/18/5086 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Slab & Beams	20	12	2018	6Diax12	13.2	28.28	90	7130	Non Engraved
2	Slab & Beams	20	12	2018	6Diax12	13.4	28.28	94	7450	Non Engraved
3	Slab & Beams	20	12	2018	6Diax12	13	28.28	56	4440	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" diax12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252
Dr. Aqsa

To: **Mr. Farhan Sajid, Resident Engineer**
MASCON Associates Pvt.
Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7605 Dated: 25-03-19

Your Ref. No. RE/PG/18/5088 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	Column	10	1	2019	6Diax12	13.4	28.28	77	6100	Non Engraved
2	Column	10	1	2019	6Diax12	13	28.28	93	7370	Non Engraved
3	Column	10	1	2019	6Diax12	13.4	28.28	92	7290	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252

Dr. Umbreen

To: Mr. Farhan Sajid, Resident Engineer
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7606 Dated: 25-03-19

Your Ref. No. RE/PG/18/5090 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Slab & Beams	14	1	2019	6Diax12	14	28.28	92	7290	Non Engraved
2	Slab & Beams	14	1	2019	6Diax12	13.2	28.28	53	4200	Non Engraved
3	Slab & Beams	14	1	2019	6Diax12	13.6	28.28	83	6580	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252

Dr. Umbreen

To: **Mr. Farhan Sajid, Resident Engineer**
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7607 Dated: 25-03-19

Your Ref. No. RE/PG/18/6012 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	Column	12	12	2018	6Diax12	14	28.28	104	8240	Non Engraved
2	Column	12	12	2018	6Diax12	13.6	28.28	90	7130	Non Engraved
3	Column	12	12	2018	6Diax12	13.8	28.28	73	5790	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252
Dr. Aqsa

To: **Mr. Farhan Sajid, Resident Engineer**
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7608 Dated: 25-03-19
Your Ref. No. RE/PG/18/6011 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Slab & Beams	20	12	2018	6Diax12	13.4	28.28	61	4840	Non Engraved
2	Slab & Beams	20	12	2018	6Diax12	13	28.28	91	7210	Non Engraved
3	Slab & Beams	20	12	2018	6Diax12	13	28.28	88	6980	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252

Dr. Umbreen

To: **Mr. Farhan Sajid, Resident Engineer**
MASCON Associates Pvt.
Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7609 Dated: 25-03-19

Your Ref. No. RE/PG/18/5087 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	Column	10	1	2019	6Diax12	14	28.28	83	6580	Non Engraved
2	Column	10	1	2019	6Diax12	13.2	28.28	83	6580	Non Engraved
3	Column	10	1	2019	6Diax12	14.2	28.28	104	8240	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" diax12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8252

Dr. Umbreen

To: Mr. Farhan Sajid, Resident Engineer
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7610 Dated: 25-03-19

Your Ref. No. RE/PG/18/5089 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 12-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Slab & Beams	14	1	2019	6Diax12	13.4	28.28	90	7130	Non Engraved
2	Slab & Beams	14	1	2019	6Diax12	13	28.28	63	5000	Non Engraved
3	Slab & Beams	14	1	2019	6Diax12	13.2	28.28	83	6580	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8255

Dr. Umbreen

To: Mr. Farhan Sajid, Resident Engineer
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Thokar Niaz Baig)

Our Ref. No. CL/CED/ 7611 Dated: 25-03-19

Your Ref. No. Nil Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 13-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Plinth Beams	12	2	2019	6Diax12	13.4	28.28	90	7130	Non Engraved
2	Plinth Beams	12	2	2019	6Diax12	14	28.28	104	8240	Non Engraved
3	Plinth Beams	12	2	2019	6Diax12	14	28.28	88	6980	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8255

Dr. Umbreen

To: **Mr. Farhan Sajid, Resident Engineer**
MASCON Associates Pvt.
Ltd.
Project: Musafir Khana (Thokar Niaz Baig)

Our Ref. No. CL/CED/ 7612 Dated: 25-03-19

Your Ref. No. MASC-RE/PG/18/6015 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 13-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	Column	14	2	2019	6Diax12	13.6	28.28	73	5790	Non Engraved
2	Column	14	2	2019	6Diax12	13.6	28.28	75	5950	Non Engraved
3	Column	14	2	2019	6Diax12	13.8	28.28	77	6100	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" diax12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8255

Dr. Umbreen

To: **Mr. Farhan Sajid, Resident Engineer**
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Thokar Niaz Baig)

Our Ref. No. CL/CED/ 7613 Dated: 25-03-19

Your Ref. No. MASC-RE/PG/18/6014 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 13-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Slab & Beams	19	2	2019	6Diax12	13.2	28.28	49	3890	Non Engraved
2	Slab & Beams	19	2	2019	6Diax12	13.4	28.28	63	5000	Non Engraved
3	Slab & Beams	19	2	2019	6Diax12	13.6	28.28	57	4520	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departament?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8255

Dr. Umbreen

To: Mr. Farhan Sajid, Resident Engineer
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Thokar Niaz Baig)

Our Ref. No. CL/CED/ 7614 Dated: 25-03-19

Your Ref. No. Nil Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 13-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Column	22	2	2019	6Diax12	14	28.28	104	8240	Non Engraved
2	Column	22	2	2019	6Diax12	14	28.28	77	6100	Non Engraved
3	Column	22	2	2019	6Diax12	14	28.28	106	8400	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departement?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" diax12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8255
Dr. Umbreen

To: Mr. Farhan Sajid, Resident Engineer
MASCON Associates Pvt. Ltd.
Project: Musafir Khana (Thokar Niaz Baig)

Our Ref. No. CL/CED/ 7615 Dated: 25-03-19
Your Ref. No. MASC-RE/PG/18/5076 Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 13-03-19 Tested on: 15-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Slab & Beams	27	2	2019	6Diax12	14	28.28	57	4520	Non Engraved
2	Slab & Beams	27	2	2019	6Diax12	14	28.28	61	4840	Non Engraved
3	Slab & Beams	27	2	2019	6Diax12	14	28.28	77	6100	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8262
Engr. Aamina

To: M. Usman Ahmed, Manager Commercial
M/S Associated Commercial Agencies Pvt. Ltd.
Project: Jazz FRF Lahore Site Plot No.33

Our Ref. No. CL/CED/ 7616 Dated: 25-03-19

Your Ref. No. A/JAZZ/2019 Dated: 14-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-03-19 Tested on: 19-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1		7	11	2018	6x6x6	8.2	36	61	3800	Non Engraved
2		3	11	2018	6x6x6	8.2	36	77	4800	Non Engraved
3		3	11	2018	6x6x6	8.8	36	90	5600	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8262

Engr. Aamina

To: M. Usman Ahmed, Manager Commercial
M/S Associated Commercial Agencies Pvt. Ltd.
Project: Jazz FRF Lahore Site Plot No.33

Our Ref. No. CL/CED/ 7617 Dated: 25-03-19

Your Ref. No. A/JAZZ/2019 Dated: 14-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-03-19 Tested on: 19-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1		5	11	2018	6x6x6	8.4	36	66	4110	Engraved
2		5	11	2018	6x6x6	8.4	36	60	3740	Engraved
3		7	11	2018	6x6x6	8.8	36	74	4610	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8262

Engr. Aamina

To: M. Usman Ahmed, Manager Commercial
M/S Associated Commercial Agencies Pvt. Ltd.
Project: Jazz FRF Lahore Site Plot No.33

Our Ref. No. CL/CED/ 7618 Dated: 25-03-19

Your Ref. No. A/JAZZ/2019 Dated: 14-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-03-19 Tested on: 19-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		14	11	2018						
1		14	11	2018	6x6x6	7.8	36	57	3550	Engraved
2		14	11	2018	6x6x6	8	36	46	2870	Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8263

To: **Engr. Adnan Akmal, Project Co-ordinator**
SINACO Engineers Pvt. Ltd.

Engr. Aamina

Project: Construction of Tariq Float Glass Plant at Sheikhpura.

Our Ref. No. CL/CED/ 7619 Dated: 25-03-19

Your Ref. No. SEL/LHR/C-461/9873 Dated: 14-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-03-19 Tested on: 19-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	T-B Col	12	2	2019	6x6x6	8.6	36	120	7470	Non Engraved
2	T-B Col	12	2	2019	6x6x6	8.6	36	114	7100	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/testing_reports&id=6

* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8263

Engr. Aamina

To: **Engr. Adnan Akmal, Project Co-ordinator**

SINACO Engineers Pvt. Ltd.

Project: Construction of Tariq Float Glass Plant at Sheikhpura.

Our Ref. No. CL/CED/ 7620 Dated: 25-03-19

Your Ref. No. SEL/LHR/C-461/9872 Dated: 14-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-03-19 Tested on: 19-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	A-L S-B	13	2	2019	6x6x6	8.4	36	112	6970	Non Engraved
2	A-L S-B	13	2	2019	6x6x6	8.4	36	100	6230	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8263

Engr. Aamina

To: **Engr. Adnan Akmal, Project Co-ordinator**

SINACO Engineers Pvt. Ltd.

Project: Construction of Tariq Float Glass Plant at Sheikhpura.

Our Ref. No. CL/CED/ 7621 Dated: 25-03-19

Your Ref. No. SEL/LHR/C-461/9871 Dated: 14-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-03-19 Tested on: 19-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	FUR-Wall	15	2	2019	6x6x6	8	36	100	6230	Non Engraved
2	FUR-Wall	15	2	2019	6x6x6	8.6	36	62	3860	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8264

Engr. Aamina

To: Engr. Muhammad Akbar, CEO
NAM Associates, 98-E, Model Town, Lahore.
Project: Commercial 589-H, Johar Town, Lahore.

Our Ref. No. CL/CED/ 7622 Dated: 25-03-19

Your Ref. No. NAM-418/07 Dated: 13-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-03-19 Tested on: 19-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1		23	2	2019	6Diax12	14	28.28	36	2860	Non Engraved
2		23	2	2019	6Diax12	14	28.28	46	3650	Non Engraved
3		3	2	2019	6Diax12	13.8	28.28	43	3410	Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8264

Engr. Aamina

To: Engr. Muhammad Akbar, CEO
NAM Associates, 98-E, Model Town, Lahore.
Project: MCB Bank, Valencia Town, Lahore.

Our Ref. No. CL/CED/ 7623 Dated: 25-03-19

Your Ref. No. NAM-415/11 Dated: 13-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-03-19 Tested on: 19-03-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1		10	1	2019	6x6x6	8.2	36	94	5850	Non Engraved
2		10	1	2019	6x6x6	8.2	36	109	6790	Non Engraved
3		28	2	2019	6x6x6	8.6	36	112	6970	Non Engraved
4		28	2	2019	6x6x6	8.8	36	75	4670	Engraved
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