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

282

To: **Mushtaq** Engr. Ubaid
Layal Pur Galleria 44A, Saeed Colony Canal Road Kashmir Pur Faisalabad
Project: Layal Pur Galleria, Fsd. Premier Developers

Our Ref. No. CL/CED/ 1419 Dated: 22-12-20

Your Ref. No. Nil Dated: 17-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	I-Section Grey		2.4 Thick	3574	40.72	63	3470	
2	I-Section Grey		2.4 Thick	3678	40.72	92	5070	
3	I-Section Grey		2.4 Thick	3914	40.72	97	5340	
4	I-Section Grey		2.4 Thick	3831	40.72	53	2920	
5	I-Section Grey		2.4 Thick	3606	40.72	75	4130	
6	I-Section Red		2.4 Thick	3952	40.72	144	7930	
7	I-Section Red		2.4 Thick	3742	40.72	127	6990	
8	I-Section Red		2.4 Thick	3898	40.72	140	7710	
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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 comprerssive 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

292

To: **Muhammad Tufail (Construction Team Leader)** Engr. Ubaid
Zor Engineers (Pvt.) Ltd.
Project: Our Saviour Welfare Society-Saviour Inn Lahore

Our Ref. No. CL/CED/ 1420 Dated: 22-12-20

Your Ref. No. 230.28.1/MT/3 Dated: 17-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 18-12-20 Tested on: 21-12-20 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	A (1:2:4)	16	10	2020	6x6x6	9	36	39	2430	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

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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

285

To: **Fareed Tabbasum** Engr. Ubaid
Steel Create
Project: Ground Floor Slab, Ware House

Our Ref. No. CL/CED/ 1421 Dated: 22-12-20

Your Ref. No. Nil Dated: 17-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1:2:3)	18	11	2020	6x6x6	8.4	36	60	3740	Engraved
2	(1:2:3)	18	11	2020	6x6x6	8.6	36	56	3490	Engraved
3	(1:2:3)	18	11	2020	6x6x6	8.4	36	53	3300	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

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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

293

To: Deputy Director, Engg. (Sec I&II, Package-I, LOLMTP) Engr. Ubaid
Lahore Development Authority, Lahore
Project: Construction of Baghbanpura Police Station GT Road Lahore (Lahore Orange Line Metro Train Package-I)

Our Ref. No. CL/CED/ 1422 Dated: 22-12-20

Your Ref. No. Nil Dated: 17-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 18-12-20 Tested on: 21-12-20 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	Raft Footing	3	12	2020	6x6x6	8.8	36	46	2870	Engraved
2	Raft Footing	3	12	2020	6x6x6	9	36	45	2800	Engraved
3	Raft Footing	3	12	2020	6x6x6	8.8	36	50	3120	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

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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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-52550, Raft Foundation

Our Ref. No. CL/CED/ 1423 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/762 Dated: 30-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	23	11	2020	6x6x6	8.4	36	91	5670	Non Engraved
2	(1 : 1.5 : 3)	23	11	2020	6x6x6	8.6	36	77	4800	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

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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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-52550, Column

Our Ref. No. CL/CED/ 1424 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/763 Dated: 02-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	25	11	2020	6x6x6	8.6	36	91	5670	Non Engraved
2	(1 : 1.5 : 3)	25	11	2020	6x6x6	8.4	36	85	5290	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

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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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-52692, Raft Foundation

Our Ref. No. CL/CED/ 1425 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/764 Dated: 01-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	24	11	2020	6x6x6	9	36	69	4300	Non Engraved
2	(1 : 1.5 : 3)	24	11	2020	6x6x6	8.6	36	90	5600	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

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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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-52692, Column

Our Ref. No. CL/CED/ 1426 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/765 Dated: 04-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	27	11	2020	6x6x6	8.4	36	81	5040	Non Engraved
2	(1 : 1.5 : 3)	27	11	2020	6x6x6	8.4	36	88	5480	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

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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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-51202, Drill Pier / BTS Pad

Our Ref. No. CL/CED/ 1427 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/766 Dated: 04-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	29	11	2020	6x6x6	8.6	36	88	5480	Non Engraved
2	(1 : 1.5 : 3)	29	11	2020	6x6x6	8.4	36	83	5170	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

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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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-52559, Drill Pier / BTS Pad

Our Ref. No. CL/CED/ 1428 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/767 Dated: 07-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	30	11	2020	6x6x6	8.4	36	89	5540	Non Engraved
2	(1 : 1.5 : 3)	30	11	2020	6x6x6	8.6	36	61	3800	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

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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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-51359, Complete Foundation

Our Ref. No. CL/CED/ 1429 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/768 Dated: 11-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	4	12	2020	6x6x6	8.6	36	100	6230	Non Engraved
2	(1 : 1.5 : 3)	4	12	2020	6x6x6	8.4	36	96	5980	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

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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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-52757, Complete Foundation

Our Ref. No. CL/CED/ 1430 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/769 Dated: 05-09-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	29	8	2020	6x6x6	8.4	36	65	4050	Non Engraved
2	(1 : 1.5 : 3)	29	8	2020	6x6x6	9	36	69	4300	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

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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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-42941, Pier Foundation

Our Ref. No. CL/CED/ 1431 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/772 Dated: 13-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	6	11	2020	6x6x6	8.6	36	94	5850	Non Engraved
2	(1 : 1.5 : 3)	6	11	2020	6x6x6	8.6	36	58	3610	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-8893, Plinth Beam

Our Ref. No. CL/CED/ 1432 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/788 Dated: 25-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	28	10	2020	6x6x6	8.4	36	118	7350	Non Engraved
2	(1 : 1.5 : 3)	28	10	2020	6x6x6	8	36	140	8720	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-8893, ODU PAD / Roof Slab

Our Ref. No. CL/CED/ 1433 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/787 Dated: 05-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	7	11	2020	6x6x6	8.2	36	124	7720	Non Engraved
2	(1 : 1.5 : 3)	7	11	2020	6x6x6	8.2	36	138	8590	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-3023, Roof Slab

Our Ref. No. CL/CED/ 1434 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/786 Dated: 04-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	6	11	2020	6x6x6	8.4	36	122	7600	Non Engraved
2	(1 : 1.5 : 3)	6	11	2020	6x6x6	8.4	36	112	6970	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-3023, Plinth Beam

Our Ref. No. CL/CED/ 1435 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/785 Dated: 17-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	20	10	2020	6x6x6	8.4	36	122	7600	Non Engraved
2	(1 : 1.5 : 3)	20	10	2020	6x6x6	8.2	36	124	7720	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-3023, ODU PAD

Our Ref. No. CL/CED/ 1436 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/784 Dated: 07-09-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	10	8	2020	6x6x6	8.8	36	111	6910	Non Engraved
2	(1 : 1.5 : 3)	10	8	2020	6x6x6	8.4	36	113	7040	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-8686, ODU PAD / Roof Slab

Our Ref. No. CL/CED/ 1437 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/783 Dated: 08-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	10	8	2020	6x6x6	8.4	36	120	7470	Non Engraved
2	(1 : 1.5 : 3)	10	8	2020	6x6x6	8.6	36	53	3300	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-8686, Plinth Beam

Our Ref. No. CL/CED/ 1438 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/782 Dated: 22-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	25	10	2020	6x6x6	8.4	36	80	4980	Non Engraved
2	(1 : 1.5 : 3)	25	10	2020	6x6x6	8.8	36	124	7720	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-8338, Roof Slab

Our Ref. No. CL/CED/ 1439 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/781 Dated: 16-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	18	9	2020	6x6x6	8.4	36	118	7350	Non Engraved
2	(1 : 1.5 : 3)	18	9	2020	6x6x6	8.8	36	136	8470	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-8247, Roof Slab

Our Ref. No. CL/CED/ 1440 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/780 Dated: 17-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	20	10	2020	6x6x6	8.4	36	126	7840	Non Engraved
2	(1 : 1.5 : 3)	20	10	2020	6x6x6	8.2	36	118	7350	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-8247, ODU PAD / Plinth Beam

Our Ref. No. CL/CED/ 1441 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/779 Dated: 03-10-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	5	9	2020	6x6x6	8.4	36	112	6970	Non Engraved
2	(1 : 1.5 : 3)	5	9	2020	6x6x6	8.8	36	122	7600	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-8595, Roof Slab

Our Ref. No. CL/CED/ 1442 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/778 Dated: 24-09-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	27	8	2020	6x6x6	8.2	36	116	7220	Non Engraved
2	(1 : 1.5 : 3)	27	8	2020	6x6x6	8.6	36	90	5600	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-8716, Plinth Beam

Our Ref. No. CL/CED/ 1443 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/777 Dated: 23-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	26	10	2020	6x6x6	8.4	36	116	7220	Non Engraved
2	(1 : 1.5 : 3)	26	10	2020	6x6x6	8.4	36	134	8340	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-8716, ODU PAD / Roof Slab

Our Ref. No. CL/CED/ 1444 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/776 Dated: 28-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	31	10	2020	6x6x6	8.2	36	122	7600	Non Engraved
2	(1 : 1.5 : 3)	31	10	2020	6x6x6	8.4	36	108	6720	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-50314, Plinth Beam

Our Ref. No. CL/CED/ 1445 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/775 Dated: 23-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	26	10	2020	6x6x6	8.4	36	128	7970	Non Engraved
2	(1 : 1.5 : 3)	26	10	2020	6x6x6	8.6	36	116	7220	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, SiteID-50314, ODU PAD / Roof Slab

Our Ref. No. CL/CED/ 1446 Dated: 22-12-20

Your Ref. No. CME/Cubes/Long/Haul/774 Dated: 29-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	1	11	2020	6x6x6	8.4	36	112	6970	Non Engraved
2	(1 : 1.5 : 3)	1	11	2020	6x6x6	8.4	36	122	7600	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-42941, Pier Foundation

Our Ref. No. CL/CED/ 1447 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/773 Dated: 04-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	6	11	2020	6x6x6	8.2	36	136	8470	Non Engraved
2	(1 : 1.5 : 3)	6	11	2020	6x6x6	8.4	36	124	7720	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 comprerssive 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

283

To: **Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-43165, Complete Foundation

Our Ref. No. CL/CED/ 1448 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/771 Dated: 21-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	24	10	2020	6x6x6	8.4	36	122	7600	Non Engraved
2	(1 : 1.5 : 3)	24	10	2020	6x6x6	8.4	36	120	7470	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 comprerssive 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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-52757, Complete Foundation

Our Ref. No. CL/CED/ 1449 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/770 Dated: 26-09-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	29	8	2020	6x6x6	8.4	36	96	5980	Non Engraved
2	(1 : 1.5 : 3)	29	8	2020	6x6x6	8.4	36	112	6970	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 comprerssive 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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-52399, Column

Our Ref. No. CL/CED/ 1450 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/761 Dated: 25-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	28	10	2020	6x6x6	8.4	36	96	5980	Non Engraved
2	(1 : 1.5 : 3)	28	10	2020	6x6x6	8.2	36	130	8090	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 comprerssive 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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-52399, Raft

Our Ref. No. CL/CED/ 1451 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/760 Dated: 24-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	27	10	2020	6x6x6	8.4	36	118	7350	Non Engraved
2	(1 : 1.5 : 3)	27	10	2020	6x6x6	8.2	36	120	7470	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 comprerssive 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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-52527, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 1452 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/759 Dated: 30-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	2	11	2020	6x6x6	8.4	36	134	8340	Non Engraved
2	(1 : 1.5 : 3)	2	11	2020	6x6x6	8.2	36	124	7720	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 comprerssive 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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, SiteID-52686, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 1453 Dated: 22-12-20

Your Ref. No. CME/Cubes/CMPAK/758 Dated: 26-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	29	10	2020	6x6x6	8.2	36	134	8340	Non Engraved
2	(1 : 1.5 : 3)	29	10	2020	6x6x6	8.2	36	100	6230	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 comprerssive 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

283

To: **M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: Ufone Sharing, SiteID-5857, ODU PAD

Our Ref. No. CL/CED/ 1454 Dated: 22-12-20

Your Ref. No. CME/Cubes/Ufone/Sharing/757 Dated: 18-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-12-20 Tested on: 21-12-20 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	(1 : 1.5 : 3)	21	10	2020	6x6x6	8.4	36	130	8090	Non Engraved
2	(1 : 1.5 : 3)	21	10	2020	6x6x6	8.2	36	130	8090	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 comprerssive 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

303

To: **Muhammad Shahbaz** Dr.Mazhar Saleem
Imperium Hospitality (Pvt.) Ltd., Lahore
Project:Nil

Our Ref. No. CL/CED/ 1455 Dated: 22-12-20

Your Ref. No. IHPL/Con/013 Dated: 21-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 21-12-20 Tested on: 22-12-20 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	4000 Psi	12	12	2020	6Diax12	14	28.28	65	5150	Non Engraved
2	4000 Psi	12	12	2020	6Diax12	14	28.28	45	3570	Non Engraved
3	4000 Psi	12	12	2020	6Diax12	13.8	28.28	57	4520	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 comprerssive 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

To: **Beenish Saleh (Senior Project Manager KP & Punjab)** Dr.Mazhar Saleem
Humqadam SCRP
Project: Humqadam-School Construction and Rehabilitation Programme (GGHSS Rasha Kai)

Our Ref. No. CL/CED/ 1456 Dated: 22-12-20

Your Ref. No. IMC-HO/SCRP/2020/ MaterialTesting/LHR-0 Dated: 22-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 22-12-20 Tested on: 22-12-20 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	Mortar Cube	23	11	2020	2.0x2.0x2.0	305	4	8.8	4850	
2	Mortar Cube	23	11	2020	2.0x2.0x2.0	301	4	7.7	4250	
3	Mortar Cube	23	11	2020	2.0x2.0x2.0	292	4	7.5	4140	
4	Mortar Cube	23	11	2020	2.0x2.0x2.0	305	4	8.5	4690	
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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 comprerssive 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

To: **Hassan Khan Sherwani (Provincial Construction Supervision Manager)** Dr.Mazhar Saleem
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (Ali Raza Abad)

Our Ref. No. CL/CED/ 1457 Dated: 22-12-20

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 08-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 21-12-20 Tested on: 22-12-20 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	Mortar Cube	14	12	2020	2.0x2.0x2.0	280	4	2.4	1330	
2	Mortar Cube	14	12	2020	2.0x2.0x2.0	281	4	2.4	1330	
3	Mortar Cube	14	12	2020	2.0x2.0x2.0	283	4	1.7	940	
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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 comprerssive 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

To: **Hassan Khan Sherwani (Provincial Construction Supervision Manager)** Dr.Mazhar Saleem
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (Barkat Market)

Our Ref. No. CL/CED/ 1458 Dated: 22-12-20

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 08-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 21-12-20 Tested on: 22-12-20 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	Mortar Cube	14	12	2020	2.0x2.0x2.0	279	4	3	1660	
2	Mortar Cube	14	12	2020	2.0x2.0x2.0	281	4	1.8	1000	
3	Mortar Cube	14	12	2020	2.0x2.0x2.0	283	4	2.8	1550	
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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 comprerssive 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

To: **Hassan Khan Sherwani (Provincial Construction Supervision Manager)** Dr.Mazhar Saleem
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (Dhala Kot)

Our Ref. No. CL/CED/ 1459 Dated: 22-12-20

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 08-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 21-12-20 Tested on: 22-12-20 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	Mortar Cube	13	12	2020	2.0x2.0x2.0	282	4	5.4	2980	
2	Mortar Cube	13	12	2020	2.0x2.0x2.0	289	4	4.3	2370	
3	Mortar Cube	13	12	2020	2.0x2.0x2.0	291	4	5	2760	
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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 comprerssive 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

To: **Hassan Khan Sherwani (Provincial Construction Supervision Manager)** Dr.Mazhar Saleem
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (Sarich)

Our Ref. No. CL/CED/ 1460 Dated: 22-12-20

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 08-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 21-12-20 Tested on: 22-12-20 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	Mortar Cube	14	12	2020	2.0x2.0x2.0	292	4	8.2	4520	
2	Mortar Cube	14	12	2020	2.0x2.0x2.0	300	4	2.1	1160	
3	Mortar Cube	14	12	2020	2.0x2.0x2.0	301	4	4	2210	
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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 comprerssive 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

To: **Hassan Khan Sherwani (Provincial Construction Supervision Manager)** Dr.Mazhar Saleem
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (Ghanakar)

Our Ref. No. CL/CED/ 1461 Dated: 22-12-20

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 08-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 21-12-20 Tested on: 22-12-20 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	Mortar Cube	13	12	2020	2.0x2.0x2.0	304	4	5.9	3260	
2	Mortar Cube	13	12	2020	2.0x2.0x2.0	276	4	1.3	720	
3	Mortar Cube	13	12	2020	2.0x2.0x2.0	295	4	7.2	3970	
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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 comprerssive 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

To: **Hassan Khan Sherwani (Provincial Construction Supervision Manager)** Dr.Mazhar Saleem
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (Ghankar)

Our Ref. No. CL/CED/ 1462 Dated: 22-12-20

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 08-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 21-12-20 Tested on: 22-12-20 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		13	12	2020	6Diax12	12.4	28.28	15	1190	Non Engraved
2		13	12	2020	6Diax12	12.4	28.28	9	720	Non Engraved
3		13	12	2020	6Diax12	12	28.28	21	1670	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 comprerssive 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**