



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

9102

Dr. Umbreen

To: Imran Akhtar, Project Manager
CM Engineering (Pvt) Ltd.
Project: Long Haul & Metro, Site ID-4521.

Our Ref. No. CL/CED/ 8792 Dated: 02-09-19

Your Ref. No. CME/Cubes/Long Haul/515 Dated: 13-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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	ODU PAD	16	7	2019	6x6x6	8.2	36	63	3920	Non Engraved
2	ODU PAD	16	7	2019	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

* 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



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9102

Dr. Umbreen

To: **Imran Akhtar, Project Manager**
CM Engineering (Pvt) Ltd.
Project: Long Haul & Metro, Site ID-5093.

Our Ref. No. CL/CED/ 8793 Dated: 02-09-19

Your Ref. No. CME/Cubes/Long Haul/516 Dated: 06-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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	ODU PAD	9	7	2019	6x6x6	8.6	36	104	6480	Non Engraved
2	ODU PAD	9	7	2019	6x6x6	8	36	61	3800	Non Engraved
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9102

Dr. Umbreen

To: **Imran Akhtar, Project Manager**
CM Engineering (Pvt) Ltd.
Project: Long Haul & Metro, Site ID-5634.

Our Ref. No. CL/CED/ 8794 Dated: 02-09-19

Your Ref. No. CME/Cubes/Long Haul/517 Dated: 05-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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	ODU PAD	8	7	2019	6x6x6	8.6	36	110	6850	Non Engraved
2	ODU PAD	8	7	2019	6x6x6	8.4	36	110	6850	Non Engraved
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Dr. Umbreen

To: **Imran Akhtar, Project Manager**
CM Engineering (Pvt) Ltd.
Project: Long Haul & Metro, Site ID-6527.

Our Ref. No. CL/CED/ 8795 Dated: 02-09-19

Your Ref. No. CME/Cubes/Long Haul/518 Dated: 06-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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	ODU PAD	9	7	2019	6x6x6	8.6	36	104	6480	Non Engraved
2	ODU PAD	9	7	2019	6x6x6	8.4	36	114	7100	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

9100

Dr. Umbreen

To: (Azhar Munir), Sr. Site Incharge
Associated Technologies (Pvt) Ltd.

Project: CM Pak Rollout, Both Road Cantt Avenue Colony Near UBL Bank Sialkot (Site ID-42611)

Our Ref. No. CL/CED/ 8796 Dated: 02-09-19

Your Ref. No. Nil Dated: 26-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-19 Tested on: 28-08-19 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	Tower Foundation	14	7	2019	6x6x6	8.8	36	83	5170	Non Engraved
2	Tower Foundation	14	7	2019	6x6x6	8.6	36	71	4420	Non Engraved
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9100

Dr. Umbreen

To: (Azhar Munir), Sr. Site Incharge
Associated Technologies (Pvt) Ltd.

Project: CM Pak Rollout, Union Park Near 3rd round about Samanabad Lahore. (Site ID-42780).

Our Ref. No. CL/CED/ 8797 Dated: 02-09-19

Your Ref. No. Nil Dated: 26-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-19 Tested on: 28-08-19 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	PAD	16	5	2019	6x6x6	8.6	36	83	5170	Non Engraved
2										
3										
4										
5										
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9100

Dr. Umbreen

To: (Azhar Munir), Sr. Site Incharge
Associated Technologies (Pvt) Ltd.

Project: CM Pak Rollout, New Zakir Town Near Vehari Chowk Multan. (Site ID-42930).

Our Ref. No. CL/CED/ 8798 Dated: 02-09-19

Your Ref. No. Nil Dated: 26-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-19 Tested on: 28-08-19 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	PAD	20	7	2019	6x6x6	8.6	36	47	2930	Non Engraved
2										
3										
4										
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9101
Dr. Umbreen

To: **Muhammad Qasim Bhatti, Director**
Abdullah Ibrahim Construction.

Project: Construction of Hussain Bibi Memorial Cardiac & General Hospital Gujranwala.

Our Ref. No. CL/CED/ 8799 Dated: 02-09-19

Your Ref. No. AIC/GUJ/10-2019 Dated: 25-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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	Basement Raft Foundation	26	7	2019	6x6x6	8.8	36	82	5110	Non Engraved
2	Basement Raft Foundation	26	7	2019	6x6x6	9	36	81	5040	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

9101

To: **Muhammad Qasim Bhatti, Director**
Abdullah Ibrahim Construction.

Dr. Umbreen

Project: Construction of Hussain Bibi Memorial Cardiac & General Hospital Gujranwala.

Our Ref. No. CL/CED/ 8800 Dated: 02-09-19

Your Ref. No. AIC/GUJ/10-2019 Dated: 25-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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	Basement Raft Foundation	26	7	2019	6x6x6	8.8	36	79	4920	Non Engraved
2	Basement Raft Foundation	26	7	2019	6x6x6	8.8	36	84	5230	Non Engraved
3										
4										
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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

9101
Dr. Umbreen

To: **Muhammad Qasim Bhatti, Director**
Abdullah Ibrahim Construction.

Project: Construction of Hussain Bibi Memorial Cardiac & General Hospital Gujranwala.

Our Ref. No. CL/CED/ 8801 Dated: 02-09-19

Your Ref. No. AIC/GUJ/10-2019 Dated: 25-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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	Basement Column	29	7	2019	6x6x6	8.8	36	94	5850	Non Engraved
2	Basement Column	29	7	2019	6x6x6	8.8	36	92	5730	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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9101

Dr. Umbreen

To: **Muhammad Qasim Bhatti, Director**
Abdullah Ibrahim Construction.

Project: Construction of Hussain Bibi Memorial Cardiac & General Hospital Gujranwala.

Our Ref. No. CL/CED/ 8802 Dated: 02-09-19

Your Ref. No. AIC/GUJ/10-2019 Dated: 25-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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	Basement Column	29	7	2019	6x6x6	8.3	36	90	5600	Non Engraved
2	Basement Column	29	7	2019	6x6x6	8.3	36	94	5850	Non Engraved
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