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

554

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

Our Ref. No. CL/CED/ 1874 Dated: 29-01-21

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 27-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21 Tested on: 29-01-21 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	31	12	2020	2.0x2.0x2.0	289	4	4.4	2430	
2	Mortar Cube	31	12	2020	2.0x2.0x2.0	308	4	3.7	2040	
3	Mortar Cube	31	12	2020	2.0x2.0x2.0	293	4	5.4	2980	
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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 compresssive 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

554

To: **Mr. 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/ 1875 Dated: 29-01-21

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 27-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21 Tested on: 29-01-21 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	305	4	2.7	1490	
2	Mortar Cube	14	12	2020	2.0x2.0x2.0	298	4	3.6	1990	
3	Mortar Cube	14	12	2020	2.0x2.0x2.0	297	4	4	2210	
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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

553
Dr.Mazhar
Saleem

To: Mr. Muhammad Majid Yasin (Senior Disrict Engineer)
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam School Construction and Rehabilitation Programme (GPS Chak 468 GB)

Our Ref. No. CL/CED/ 1876 Dated: 29-01-21

Your Ref. No. IMC-FSD/SCRP/2021/ MaterialTesting/FSD-1 Dated: 21-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21 Tested on: 29-01-21 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	1	2021	2.0x2.0x2.0	232	4	2.3	1270	
2	Mortar Cube	13	1	2021	2.0x2.0x2.0	268	4	4.5	2480	
3	Mortar Cube	13	1	2021	2.0x2.0x2.0	273	4	2.9	1600	
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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

553

To: **Mr. Muhammad Majid Yasin (Senior Disrict Engineer)** Dr.Mazhar Saleem
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam School Construction and Rehabilitation Programme (GPS Chak 468 GB)

Our Ref. No. CL/CED/ 1877 Dated: 29-01-21

Your Ref. No. IMC-FSD/SCRP/2021/ MaterialTesting/FSD-1 Dated: 22-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21 Tested on: 29-01-21 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	15	1	2021	2.0x2.0x2.0	291	4	1.3	720	
2	Mortar Cube	15	1	2021	2.0x2.0x2.0	284	4	5	2760	
3	Mortar Cube	15	1	2021	2.0x2.0x2.0	294	4	2	1110	
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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

561

To: **Mr. Abdul Ghafar (Project Manager)** Dr. Burhan Sharif
Liberty Builders, Lahore
Project: Construction of Zee Avenue-Ramada Hotel & Suites 17-A Cooper Road, Lahore (Columns of Phase-1, at 5th Floor Level +79'-4" + 90'-4")

Our Ref. No. CL/CED/ 1878 Dated: 29-01-21

Your Ref. No. CCT/UET/20210128 Dated: 28-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 29-01-21 Tested on: 29-01-21 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	2626	28	12	2020	6Diax12	15	28.28	130	10300	Non Engraved
2	2627	28	12	2020	6Diax12	14	28.28	120	9510	Non Engraved
3	2628	28	12	2020	6Diax12	13.6	28.28	104	8240	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

505

To: **Municipal Officer (Infrastructure)** Dr. M. Yousaf
Municipal Committee, Vehari
Project:Rehabilitation of Municipal Infrastructure in Vehari City is in Progress Under Punjab Cities Program

Our Ref. No. CL/CED/ 1879 Dated: 29-01-21

Your Ref. No. 105/MO(I)/MC(VR) Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 21-01-21 Tested on: 29-01-21 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				7.8x3.9x2.4	2881	30.42	74	5450	
2	Rectangular Grey				7.8x3.9x2.4	2882	30.42	72	5310	
3	Rectangular Grey				7.8x3.9x2.4	2795	30.42	73	5380	
4	Rectangular Grey				7.8x3.9x2.4	2845	30.42	78	5750	
5	Rectangular Red				7.9x3.9x2.4	2859	30.81	75	5460	
6	Rectangular Red				7.9x3.9x2.4	2867	30.81	81	5890	
7	Rectangular Red				7.9x3.9x2.4	2818	30.81	55	4000	
8	Rectangular Red				7.9x3.9x2.4	2847	30.81	85	6180	
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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

542

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

Our Ref. No. CL/CED/ 1880 Dated: 29-01-21

Your Ref. No. IMC-LHR/SCRP/2020 /MaterialTesting/LHR-3 Dated: 26-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 29-01-21 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	20	1	2021	2.0x2.0x2.0	261	4	2	1110	
2	Mortar Cube	20	1	2021	2.0x2.0x2.0	289	4	1.7	940	
3	Mortar Cube	20	1	2021	2.0x2.0x2.0	275	4	3.9	2150	
4	Mortar Cube	20	1	2021	2.0x2.0x2.0	256	4	1	560	
5	Mortar Cube	20	1	2021	2.0x2.0x2.0	259	4	4.3	2370	
6	Mortar Cube	20	1	2021	2.0x2.0x2.0	263	4	2.9	1600	
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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

550

To: **ICON Construction Services**
Johar Town, Lahore
Project: Block M-4 Lake City

Dr. M. Yousaf

Our Ref. No. CL/CED/ 1881 Dated: 29-01-21

Your Ref. No. Nil Dated: 27-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21 Tested on: 29-01-21 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	Solid Block (1:3:6)		12.0x6.0x8.0	21	72	29	910	
2	Solid Block (1:3:6)		12.0x5.9x8.0	19.4	70.8	20	640	
3	Solid Block (1:3:6)		12.0x6.0x8.0	21	72	24	750	
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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

550

To: **ICON Construction Services**
Johar Town, Lahore
Project: Block M-4 Lake City

Dr. M. Yousaf

Our Ref. No. CL/CED/ 1882 Dated: 29-01-21

Your Ref. No. Nil Dated: 27-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21 Tested on: 29-01-21 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	2 3		8.6x4.1x2.7	2881	35.26	58	3690	
2	2 3		8.7x4.2x2.7	2915	36.54	39	2400	
3	2 3		8.8x4.2x2.8	3063	39.96	42	2360	
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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

560

To: **Project Coordinator-SARF** Dr. M. Yousaf
University Health Sciences Jinnah Campus, KSK
Project: SARF Jinnah Campus University of Health Science Kala Shah Kaku, Sheikhupura

Our Ref. No. CL/CED/ 1883 Dated: 29-01-21

Your Ref. No. UHS/Engg/1068 Dated: 26-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 28-01-21 Tested on: 29-01-21 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	Kerb Stone		6.0x5.9x5.8	7.6	35.4	65	4120	
2								
3								
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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

567

To: **Deputy Director Development & Maintenance** Dr. M. Yousaf
Punjab Land Records Authority, Government of the Punjab
Project: Construction of PLRA Arazi Record Centers Across Punjab (LOT-1 South Region), (M/s Mian Hydro Construction Engineer)

Our Ref. No. CL/CED/ 1884 Dated: 29-01-21

Your Ref. No. PLRA/DD.(CW)/QP/2021/01/09 Dated: 28-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 28-01-21 Tested on: 29-01-21 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				7.7x3.8x2.3	2577	29.26	70	5360	
2	Rectangular Grey				7.7x3.8x2.3	2628	29.26	81	6210	
3	Rectangular Grey				7.7x3.8x2.3	2547	29.26	80	6130	
4	Rectangular Grey				7.7x3.8x2.3	2613	29.26	64	4900	
5	Rectangular Grey				7.7x3.8x2.3	2536	29.26	74	5670	
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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

549

To: **General Manager** Dr. M. Yousaf
Pakistan Expatriates Co-operative Housing Society (PECHS) IZMIR Ltd. Lahore
Project: Construction / Extension of Main Gate PECHS IZMIR

Our Ref. No. CL/CED/ 1885 Dated: 29-01-21

Your Ref. No. PECHS/IZMIR/10746 Dated: 13-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21 Tested on: 29-01-21 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		9	12	2020	6x6x6	9	36	90	5600	Engraved
2		17	12	2020	6x6x6	9	36	121	7530	Non Engraved
3										
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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

552

To: **Deputy Director (Sec I&II, Package-I, LOLMTP)** Dr. M. Yousaf
Lahore Development Authority (M/s Awais International)
Project: Construction of Baghbanpura Police Station GT Road Lahore (Lahore Orange Line Metro Train Project, Package-I)

Our Ref. No. CL/CED/ 1886 Dated: 29-01-21

Your Ref. No. DD/PKG-I/LOLMTP /LDA/08 Dated: 21-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21 Tested on: 29-01-21 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		12	1	2021	6x6x6	9.2	36	98	6100	Engraved
2		12	1	2021	6x6x6	9	36	75	4670	Engraved
3		12	1	2021	6x6x6		36			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

544

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

Our Ref. No. CL/CED/ 1887 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/793 Dated: 27-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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	9	36	86	5360	Non Engraved
2	(1 : 1.5 : 3)	29	11	2020	6x6x6	8.8	36	98	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 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

544

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

Our Ref. No. CL/CED/ 1888 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/789 Dated: 21-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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	9	36	67	4170	Non Engraved
2	(1 : 1.5 : 3)	23	11	2020	6x6x6	8.8	36	99	6160	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

544

To: **Mr. M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52692, Column / BTS Pad

Our Ref. No. CL/CED/ 1889 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/792 Dated: 25-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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	8.8	36	93	5790	Non Engraved
2	(1 : 1.5 : 3)	27	11	2020	6x6x6	8.6	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

544

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

Our Ref. No. CL/CED/ 1890 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/791 Dated: 22-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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	8.6	36	87	5420	Non Engraved
2	(1 : 1.5 : 3)	24	11	2020	6x6x6	8.4	36	91	5670	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

544

To: **Mr. M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52830, Complete Foundation

Our Ref. No. CL/CED/ 1891 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/810 Dated: 16-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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)	19	12	2020	6x6x6	8.4	36	94	5850	Non Engraved
2	(1 : 1.5 : 3)	19	12	2020	6x6x6	8.4	36	98	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 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

544

To: **Mr. Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-43082, Pier Foundation

Our Ref. No. CL/CED/ 1892 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/805 Dated: 21-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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	12	2020	6x6x6	8.4	36	94	5850	Non Engraved
2	(1 : 1.5 : 3)	24	12	2020	6x6x6	8.6	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

* 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

544

To: **Mr. Imran Akhtar (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-42987, Pier Foundation

Our Ref. No. CL/CED/ 1893 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/806 Dated: 25-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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	12	2020	6x6x6	8.8	36	96	5980	Non Engraved
2	(1 : 1.5 : 3)	28	12	2020	6x6x6	8.6	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

* 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

544

To: **Mr. M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52830, Complete Foundation

Our Ref. No. CL/CED/ 1894 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/807 Dated: 26-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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)	19	12	2020	6x6x6	8.6	36	85	5290	Non Engraved
2	(1 : 1.5 : 3)	19	12	2020	6x6x6	8.4	36	68	4240	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

544

To: **Mr. M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52834, Complete Foundation

Our Ref. No. CL/CED/ 1895 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/808 Dated: 19-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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)	12	1	2021	6x6x6	8.6	36	92	5730	Non Engraved
2	(1 : 1.5 : 3)	12	1	2021	6x6x6	8.4	36	66	4110	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

544

To: **Mr. M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52846, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 1896 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/809 Dated: 18-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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)	11	1	2021	6x6x6	9	36	79	4920	Non Engraved
2	(1 : 1.5 : 3)	11	1	2021	6x6x6	8.6	36	92	5730	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

465

To: **Mr. Z. H. Kazmi (Principal Architect)** Dr. M. Yousaf
Z. H. Kazmi & Associates, Lahore
Project: Construction of New Godowns & Infrastructure at Allied Bank Limited Warehouse 18-Hazari, Jhang

Our Ref. No. CL/CED/ 1897 Dated: 29-01-21

Your Ref. No. Nil Dated: 18-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-01-21 Tested on: 27-01-21 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	CH		8.3x4.1x2.6	2213	34.03	30	1980	
2	CH		8.4x4.0x2.7	2262	33.6	40	2670	
3	CH		8.3x4.1x2.7	2176	34.03	22	1450	
4	CH		8.3x4.0x2.6	2132	33.2	31	2100	
5	ABC		8.7x4.2x2.9	2976	36.54	27	1660	
6	ABC		8.8x4.2x2.8	3010	36.96	29	1760	
7	ABC		8.7x4.1x2.8	2962	35.67	32	2010	
8	ABC		8.8x4.2x2.9	2941	36.96	22	1340	
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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

484

To: **Brig. Saeed Ahmed Malik (SI M) (R) (Resident Engineer)** Dr. M. Yousaf
H&TE Div., Nespak (Pvt.) Ltd. Lahore
Project: Metropolitan Corporation Lahore (MCL), Rehabilitation of Road and Sewerage System at Main Bazar Al-Jannat Road Nain Sukh UC-01

Our Ref. No. CL/CED/ 1898 Dated: 29-01-21

Your Ref. No. 4084/BSAM/104/255 Dated: 12-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-01-21 Tested on: 29-01-21 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	B2		8.8x4.1x3.0	3441	36.08	51	3170	
2	B2		8.8x4.2x3.1	3531	36.96	47	2850	
3	B2		8.8x4.2x3.0	3450	36.96	47	2850	
4	B2		8.9x4.2x3.1	3260	37.38	50	3000	
5	B2		8.9x4.2x3.0	3469	37.38	43	2580	
6	B2		8.8x4.1x3.0	3326	36.08	45	2800	
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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

568

To: **Mr. Umar Nisar (Project Engineer)** Dr. M. Yousaf
Rana Associates, Lahore (Sky High Builder's)
Project: Izmir Executive Shopping Mall & Apartments (Footing Beam), Strong Ready Mix

Our Ref. No. CL/CED/ 1899 Dated: 29-01-21

Your Ref. No. IZMIR/004 Dated: 26-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 28-01-21 Tested on: 29-01-21 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	3000 Psi	18	1	2021	6Diax12	14	28.28	53	4200	Engraved
2	3000 Psi	18	1	2021	6Diax12	14	28.28	50	3960	Engraved
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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

568

To: **Mr. Umar Nisar (Project Engineer)** Dr. M. Yousaf
Rana Associates, Lahore (Sky High Builder's)
Project: Izmir Executive Shopping Mall & Apartments (Footing Beam), Strong Ready Mix

Our Ref. No. CL/CED/ 1900 Dated: 29-01-21

Your Ref. No. IZMIR/005 Dated: 27-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 28-01-21 Tested on: 29-01-21 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	Footing (3000 Psi)	12	1	2021	6Diax12	14	28.28	61	4840	Engraved
2	Footing (3000 Psi)	12	1	2021	6Diax12	14	28.28	73	5790	Engraved
3	Columns (4000 Psi)	19	1	2021	6Diax12	14	28.28	48	3810	Engraved
4	Columns (4000 Psi)	19	1	2021	6Diax12	14	28.28	59	4680	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

547

To: **Engr. Rizwan Ali** Engr. Ubaid
Ittefaq Construction Services, Lahore
Project: Construction of Commercial Plaza (S-42) Bahria Town Lahore

Our Ref. No. CL/CED/ 1901 Dated: 29-01-21

Your Ref. No. ICS/H.O/A.M.O.B/06 Dated: 26-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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	R-W (4000 Psi)	28	12	2020	6Diax12	13	28.28	39	3090	Non Engraved
2	R-W (4000 Psi)	28	12	2020	6Diax12	14	28.28	53	4200	Non Engraved
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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

547

To: **Engr. Rizwan Ali** Engr. Ubaid
Ittefaq Construction Services, Lahore
Project: Construction of Commercial Plaza (S-42) Bahria Town Lahore

Our Ref. No. CL/CED/ 1902 Dated: 29-01-21

Your Ref. No. ICS/H.O/A.M.O.B/05 Dated: 26-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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	S-L (3000 Psi)	16	12	2020	6Diax12	13.6	28.28	47	3730	Non Engraved
2	S-L (3000 Psi)	16	12	2020	6Diax12	13.6	28.28	61	4840	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

547

To: **Engr. Rizwan Ali** Engr. Ubaid
Ittefaq Construction Services, Lahore
Project: Construction of Commercial Plaza (S-42) Bahria Town Lahore

Our Ref. No. CL/CED/ 1903 Dated: 29-01-21

Your Ref. No. ICS/H.O/A.M.O.B/07 Dated: 26-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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	R-F (3000 Psi)	24	12	2020	6Diax12	13.8	28.28	69	5470	Non Engraved
2	R-F (3000 Psi)	24	12	2020	6Diax12	13	28.28	35	2780	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

547

To: **Engr. Rizwan Ali** Engr. Ubaid
Ittefaq Construction Services, Lahore
Project: Construction of Commercial Plaza (S-19) Bahria Town Lahore

Our Ref. No. CL/CED/ 1904 Dated: 29-01-21

Your Ref. No. ICS/H.O/A.M.O.B/03 Dated: 26-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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	R-W (4000 Psi)	21	12	2020	6Diax12	14	28.28	55	4360	Non Engraved
2	R-W (4000 Psi)	21	12	2020	6Diax12	13.4	28.28	42	3330	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

547

To: **Engr. Rizwan Ali** Engr. Ubaid
Ittefaq Construction Services, Lahore
Project: Construction of Commercial Plaza (S-19) Bahria Town Lahore

Our Ref. No. CL/CED/ 1905 Dated: 29-01-21

Your Ref. No. ICS/H.O/A.M.O.B/03 Dated: 26-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-01-21 Tested on: 27-01-21 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	R-F (3000 Psi)	28	12	2020	6Diax12	13.4	28.28	50	3960	Non Engraved
2	R-F (3000 Psi)	28	12	2020	6Diax12	14	28.28	55	4360	Non Engraved
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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

555

To: **Mr. Gul Waqas Shahid** Dr. M. Yousaf
Unirazz Services, Lahore
Project: Civil Works for Covering of Openings in PM-1 Building Packages Convertors Limited

Our Ref. No. CL/CED/ 1906 Dated: 29-01-21

Your Ref. No. USPL/UET/4032 Dated: 27-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21 Tested on: 29-01-21 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	UPM1-R70	3	12	2020	6Diax12	14	28.28	75	5950	Non Engraved
2	UPM1-R71	3	12	2020	6Diax12	14	28.28	75	5950	Non Engraved
3	UPM1-R72	3	12	2020	6Diax12	14	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

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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

555

To: **Mr. Gul Waqas Shahid** Dr. M. Yousaf
Unirazz Services, Lahore
Project: Civil Works for Covering of Openings in PM-1 Building Packages Convertors Limited

Our Ref. No. CL/CED/ 1907 Dated: 29-01-21

Your Ref. No. USPL/UET/4030 Dated: 27-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21 Tested on: 29-01-21 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	UPM1-F50	22	11	2020	6Diax12	14	28.28	63	4990	Non Engraved
2	UPM1-F51	22	11	2020	6Diax12	14.2	28.28	63	4990	Non Engraved
3	UPM1-F52	22	11	2020	6Diax12	14.2	28.28	68	5390	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

555

To: **Mr. Gul Waqas Shahid** Dr. M. Yousaf
Unirazz Services, Lahore
Project: Civil Works for Covering of Openings in PM-1 Building Packages Convertors Limited

Our Ref. No. CL/CED/ 1908 Dated: 29-01-21

Your Ref. No. USPL/UET/4031 Dated: 27-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21 Tested on: 29-01-21 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	UPM1-C60	27	11	2020	6Diax12	14	28.28	55	4360	Non Engraved
2	UPM1-C61	27	11	2020	6Diax12	14	28.28	63	4990	Non Engraved
3	UPM1-C62	27	11	2020	6Diax12	14	28.28	55	4360	Non Engraved
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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

556

To: **Engr. Mustehson Ali Khan (Site Engineer)**
Dimensions Construction, Lahore
Project: 12-C Etihad Town Lahore

Dr. M. Yousaf

Our Ref. No. CL/CED/ 1909 Dated: 29-01-21

Your Ref. No. PGCMN/01/ST Dated: 27-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21 Tested on: 29-01-21 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	3000 Psi	24	12	2020	6Diax12	14.2	28.28	80	6340	Engraved
2	3000 Psi	24	12	2020	6Diax12	13.6	28.28	65	5150	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

565

To: **Mr. Muhammad Azeem (Operation Manager)** Dr. M. Yousaf
Amer Adnan Associates, Lahore
Project: Hotel Building at 24-A Block E/2 at Gulberg III, Lahore

Our Ref. No. CL/CED/ 1910 Dated: 29-01-21

Your Ref. No. AAA/24A/0023 Dated: 26-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 28-01-21 Tested on: 29-01-21 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	5000 Psi	20	1	2021	6Diax12	13.8	28.28	71	5630	Non Engraved
2	5000 Psi	20	1	2021	6Diax12	13.2	28.28	70	5550	Non Engraved
3	5000 Psi	20	1	2021	6Diax12	14	28.28	73	5790	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

562

To: **Mr. Muhammad Umair Ashfaq (director Plant & Production)** Dr. M. Yousaf
Lotte Akhtar Beverages (Pvt.) Ltd. (Pepsico Bottlers), Lahore
Project: Construction of WWTP at Lotte Akhtar Beverages Plant, Lahore (Retaining Piles)

Our Ref. No. CL/CED/ 1911 Dated: 29-01-21

Your Ref. No. Nil Dated: 28-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 28-01-21 Tested on: 29-01-21 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	LET-5923 (S#3)	31	12	2020	6Diax12	14	28.28	37	2940	Engraved
2	CAA-3771 (S#1)	31	12	2020	6Diax12	14.4	28.28	37	2940	Engraved
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supervisor(lab) **Director/Dy. Director Concrete Laboratory**