



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

10147
Dr. Mazhar

To: **Mujib ur Rehman, Principal Architect**
Sustainable Design Solutions.

Project: 34-CCA Commercial at Phase-6, DHA, Lahore. (Ground Floor Slab).

Our Ref. No. CL/CED/ 175 Dated: 11-06-20

Your Ref. No. SDS-1262019-04 Dated: 19-05-20

COMPRESSION TEST REPORT

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

Specimens received on: 02-06-20 Tested on: 11-06-20 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	BS	18	4	2020	6Diax12	14	28.28	43	3410	Engraved
2	BS	18	4	2020	6Diax12	13.8	28.28	33	2620	Engraved
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16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

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

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



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

10148

Dr. Mazhar

To: Mujib ur Rehman, Principal Architect
Sustainable Design Solutions.
Project: 34-CCA Commercial at Phase-6, DHA, Lahore.

Our Ref. No. CL/CED/ 176 Dated: 11-06-20

Your Ref. No. SDS-1262019-02 Dated: 13-05-20

COMPRESSION TEST REPORT

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

Specimens received on: 02-06-20 Tested on: 11-06-20 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	Bed Pouring	20	4	2020	6Diax12	13.6	28.28	31	2460	Engraved
2	Retaining Wall	15	3	2020	6Diax12	14	28.28	67	5310	Engraved
3										
4										
5										
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11										
12										
13										
14										
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10130

To: (Abdullah Hussain), Resident Engineer

Dr. Mazhar Saleem

NESPAK (Pvt) Ltd. (Contractor; M/s HCS-MASTIC JV).

Project: Public Spaces Upgradation of Existing Parks in Sahiwal & Sialkot, LOT-2: Works for Upgradation of 4 Existing Parks in Sialkot.

Our Ref. No. CL/CED/ 177 Dated: 11-06-20

Your Ref. No. Nespak/SAH/UET/14 Dated: 18-05-20

COMPRESSION TEST REPORT

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

Specimens received on: 19-05-20 Tested on: 11-06-20 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	BUTT		8.8x4.4x2.8	3297	38.72	39	2260	
2	BUTT		8.8x4.4x2.8	3247	38.72	51	2950	
3	BUTT		8.8x4.3x2.8	3261	37.84	43	2550	
4	BUTT		8.8x4.3x2.7	3273	37.84	49	2910	
5	BUTT		8.7x4.4x2.7	3287	38.28	43	2520	
6	BUTT		8.7x4.3x2.8	3281	37.41	47	2820	
7	G B		8.8x4.4x2.8	3170	38.72	59	3420	
8	G B		8.8x4.4x2.9	3197	38.72	39	2260	
9	G B		8.7x4.3x2.8	3189	37.41	47	2820	
10	G B		8.8x4.4x2.9	3179	38.72	53	3070	
11	G B		8.7x4.3x2.8	3196	37.41	53	3180	
12	G B		8.7x4.4x2.9	3186	38.28	61	3570	
13								
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15								
16								

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To: (Abdullah Hussain), Resident Engineer

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Our Ref. No. CL/CED/ 178 Dated: 11-06-20

Your Ref. No. Nespak/SAH/UET/13 Dated: 18-05-20

COMPRESSION TEST REPORT

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

Specimens received on: 19-05-20 Tested on: 11-06-20 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	Rectangular Grey		7.8x3.8x2.2	2724	29.64	120	9070	
2	Rectangular Grey		7.8x3.8x2.2	2790	29.64	150	11340	
3	Rectangular Grey		7.8x3.8x2.2	2667	29.64	164	12400	
4	Rectangular Red		7.8x3.8x2.2	2784	29.64	156	11790	
5	Rectangular Red		7.8x3.8x2.2	2766	29.64	114	8620	
6	Rectangular Red		7.8x3.8x2.2	2839	29.64	138	10430	
7	Rectangular Grey		7.8x3.8x3.0	3662	29.64	108	8170	
8	Rectangular Grey		7.8x3.8x3.0	3626	29.64	110	8320	
9	Rectangular Grey		7.8x3.8x3.0	3646	29.64	96	7260	
10	Rectangular Red		7.8x3.8x3.0	3468	29.64	90	6810	
11	Rectangular Red		7.8x3.8x3.0	3632	29.64	98	7410	
12	Rectangular Red		7.8x3.8x3.0	3668	29.64	112	8470	
13								
14								
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Our Ref. No. CL/CED/ 179 Dated: 11-06-20

Your Ref. No. Nespak/SAH/UET/15 Dated: 18-05-20

COMPRESSION TEST REPORT

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

Specimens received on: 19-05-20 Tested on: 11-06-20 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		20	4	2020	6Diax12	14	28.28	88	6970	Non Engraved
2		20	4	2020	6Diax12	14	28.28	57	4520	Non Engraved
3		20	4	2020	6Diax12	13.6	28.28	57	4520	Non Engraved
4										
5										
6										
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Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

10114

To: Hafiz Siddique Sharif (Assistant Engineer)

Dr. Mazhar Saleem

UET Narowal Lahore Campus (M/s Y.A Associates)

Project: Establishment of U.E.T Lahore Sub Campus at Narowal (Construction of Student Services Center and Senior Staff Residences) (Balance Work)

Our Ref. No. CL/CED/

180

Dated:

11-06-20

Your Ref. No.

Uni/NRL/AEN/160

Dated:

19-03-20

COMPRESSION TEST REPORT

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

Specimens received on:

12-05-20

Tested on:

11-06-20

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	NBC		8.9x4.4x2.8	3110	39.16	43	2460	
2	NBC		8.9x4.4x2.9	3121	39.16	23	1320	
3	NBC		8.8x4.4x2.8	3098	38.72	29	1680	
4	NBC		8.8x4.3x2.8	3109	37.84	43	2550	
5	NBC		8.9x4.3x2.9	3097	38.27	39	2290	
6	NBC		8.9x4.4x2.8	3111	39.16	37	2120	
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10114

To: **Hafiz Siddique Sharif (Assistant Engineer)**

Dr. Mazhar Saleem

UET Narowal Lahore Campus (M/s Y.A Associates)

Project: Establishment of U.E.T Lahore Sub Campus at Narowal (Construction of Student Services Center and Senior Staff Residences) (Balance Work)

Our Ref. No. CL/CED/ 181 Dated: 11-06-20

Your Ref. No. Uni/NRL/AEN/164 Dated: 11-05-20

COMPRESSION TEST REPORT

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

Specimens received on: 12-05-20 Tested on: 11-06-20 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	H.M		8.7x4.1x2.9	2615	35.67	35	2200	
2	H.M		8.6x4.2x2.9	2671	36.12	31	1930	
3	H.M		8.7x4.2x2.8	2698	36.54	39	2400	
4	H.M		8.6x4.1x2.8	2656	35.26	33	2100	
5	H.M		8.6x4.2x2.9	2651	36.12	41	2550	
6	H.M		8.7x4.1x2.8	2681	35.67	33	2080	
7								
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Phone Nos. 042-99029202, 042-99029217

10072

To: **M. Sohail Anjum (Project Manager)**

Dr. Mazhar Saleem

P-156 Gulberg II, Lahore

Project: Construction of P-156 Gulberg-II, Lahore

Our Ref. No. CL/CED/

182

Dated:

11-06-20

Your Ref. No.

P-156-095

Dated:

10-03-20

COMPRESSION TEST REPORT

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

Specimens received on:

10-03-20

Tested on:

11-06-20

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	3 3 3 (4500 Psi)	11	2	2020	6Diax12	14	28.28	63	4990	Non Engraved
2	3 3 4 (4500 Psi)	11	2	2020	6Diax12	14	28.28	81	6420	Non Engraved
3	3 3 5 (4500 Psi)	11	2	2020	6Diax12	14	28.28	63	4990	Non Engraved
4										
5										
6										
7										
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9										
10										
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10072

To: **M. Sohail Anjum (Project Manager)**

Dr. Mazhar Saleem

P-156 Gulberg II, Lahore

Project: Construction of P-156 Gulberg-II, Lahore

Our Ref. No. CL/CED/

183

Dated:

11-06-20

Your Ref. No.

P-156-096

Dated:

10-03-20

COMPRESSION TEST REPORT

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

Specimens received on: 10-03-20 Tested on: 11-06-20 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	3 3 9 (3000 Psi)	11	2	2020	6Diax12	14	28.28	59	4680	Non Engraved
2	3 4 1 (3000 Psi)	11	2	2020	6Diax12	13.2	28.28	63	4990	Non Engraved
3	3 4 2 (3000 Psi)	11	2	2020	6Diax12	14	28.28	61	4840	Non Engraved
4										
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10122

To: **Ch. Abdul Ghafoor (Resident Engineer)**

Dr. Mazhar Saleem

PEPAC Ltd. Lahore

Project: Establishment of Workers Welfare Complex Adjacent to Sundar Industrial Estate District Kasur (Package-T)

Our Ref. No. CL/CED/

184

Dated:

11-06-20

Your Ref. No.

RE/PEPAC/WWC/2020/114

Dated:

13-05-20

COMPRESSION TEST REPORT

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

Specimens received on:

14-05-20

Tested on:

11-06-20

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	Kerb Stone				6x6x6	8.4	36	81	5040	Cut Cube
2	Kerb Stone				6x6x6	8.2	36	102	6350	Cut Cube
3	Kerb Stone				6x6x6	8	36	79	4920	Cut Cube
4										
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