



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

9190

Engr. Aamina

To: **Sub Divisional Officer**

**Highways Sub Division No.II, Lahore.**

**Project: (RAP) Widening / Rehabilitation of Road from Qila Mian Sing to Dughal Morr L=9.00 Km District Gujranwala.**

Our Ref. No. CL/CED/

8975

Dated:

03-10-19

Your Ref. No.

263/G-II

Dated:

31-08-19

## COMPRESSION TEST REPORT

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

Specimens received on: 17-09-19 Tested on: 02-10-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	D-11		8.2x4.3x2.8	2739	35.26	32	2040	
2	D-11		8.3x4.3x2.9	2721	35.69	39	2450	
3	D-11		8.2x4.3x2.8	2749	35.26	21	1340	
4	D-11		8.3x4.3x2.9	2707	35.69	26	1640	
5	D-11		8.3x4.3x2.8	2780	35.69	28	1760	
6	D-11		8.3x4.3x2.9	2771	35.69	29	1820	
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6)

\* as engraved on the specimens (if any)

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

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

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

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



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

9202

To: **Muhammad Imtiaz, Project Manager**

Engr. Aamina

**A.S. Enterprises Engineers & Contractors. Falaknaz Plaza, Main Shahrah-e-Faisal, Karachi.**

**Project: US Dynamo Mill Sundar Estate Lahore. (Consultant: AA Associates).**

Our Ref. No. CL/CED/ 8976 Dated: 03-10-19

Your Ref. No. USD/ASE/20 Dated: 18-09-19

## COMPRESSION TEST REPORT

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

Specimens received on: 18-09-19 Tested on: 02-10-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	AM		8.9x4.4x3.0	3282	39.16	42	2410	
2	AM		8.9x4.4x3.0	3310	39.16	53	3040	
3	AM		8.8x4.3x2.9	3349	37.84	39	2310	
4	AM		8.8x4.4x2.9	3351	39.16	50	2860	
5	AM		8.8x4.4x3.0	3370	39.16	44	2520	
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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



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Phone Nos. 042-99029202, 042-99029217

9213

To: Engr. Tajammal Farooq, Resident Engineer

Engr. Aamina

AZ Engineering Associates. (M/s Sheikh Nazar Muhammad & Co)

Project: Construction Supervision of Scheme Pertaining to "Naya Pakistan Manzilen Asan" (RAP) Phase-1 for the Year 2018-19. Constt. of Mettl. Road from Skp-Sargodha Road to Khanqah Dogran. L= 9.10 Km.

Our Ref. No. CL/CED/ 8977 Dated: 03-10-19

Your Ref. No. RE/LHR-56 Dated: 16-09-19

## COMPRESSION TEST REPORT

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

Specimens received on: 20-09-19 Tested on: 02-10-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	VIP		8.8x4.4x3.0	2510	38.72	41	2380	
2	VIP		8.8x4.4x3.0	2522	38.72	41	2380	
3	VIP		8.9x4.4x3.0	2502	39.16	31	1780	
4	VIP		8.9x4.4x3.0	2571	39.16	50	2860	
5	VIP		8.8x4.4x3.0	2523	38.72	40	2320	
6	22		8.7x4.0x2.7	2568	34.4	32	2090	
7	22		8.6x4.1x2.8	2771	35.26	43	2740	
8	22		8.8x4.2x2.9	2964	36.96	36	2190	
9	22		8.5x4.0x2.8	2680	34	43	2840	
10	22		8.8x4.1x2.8	2818	36.08	29	1800	
11	Machine Made		8.6x4.3x2.8	2833	36.98	47	2850	
12	Machine Made		8.7x4.3x2.8	2763	37.41	58	3480	
13	Machine Made		8.8x4.3x2.8	2776	37.84	62	3670	
14	Machine Made		8.7x4.3x2.8	2850	37.41	38	2280	
15	Machine Made		8.7x4.3x2.8	3040	37.41	60	3600	
16								

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

9216

Dr. Aqsa

To: Engr. Tajammal Farooq, Resident Engineer

AZ Engineering Associates. (M/s Sheikh Nazar Muhammad & Co)

Project: Construction Supervision of Scheme Pertaining to "Naya Pakistan Manzilen Asan" (RAP) Phase-1 for the Year 2018-19. Constt. of Mettl. Road from Kala Khatai Road Narowal etc. L= 7.30 Km.

Our Ref. No. CL/CED/

8978

Dated:

03-10-19

Your Ref. No.

RE/LHR-58

Dated:

16-09-19

## COMPRESSION TEST REPORT

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

Specimens received on:

20-09-19

Tested on:

24-09-19

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	Culvert 2' Span (174+20)	1	8	2019	6x6x6	8.6	36	63	3920	Non Engraved
2	Culvert 2' Span (174+20)	1	8	2019	6x6x6	8.2	36	108	6720	Non Engraved
3	Culvert 2' Span (174+20)	1	8	2019	6x6x6	8.6	36	67	4170	Non Engraved
4	Culvert 2' Span (182+20)	4	8	2019	6x6x6	8.8	36	44	2740	Non Engraved
5	Culvert 2' Span (182+20)	4	8	2019	6x6x6	8.8	36	70	4360	Non Engraved
6	Culvert 2' Span (182+20)	4	8	2019	6x6x6	8.4	36	68	4240	Non Engraved
7	Culvert 4' Span (186+50)	6	8	2019	6x6x6	8.8	36	41	2560	Non Engraved
8	Culvert 4' Span (186+50)	6	8	2019	6x6x6	8.6	36	48	2990	Non Engraved
9	Culvert 4' Span (186+50)	6	8	2019	6x6x6	8.6	36	77	4800	Non Engraved
10	Culvert 4' Span (232+00)	23	8	2019	6x6x6	8.2	36	41	2560	Non Engraved
11	Culvert 4' Span (232+00)	23	8	2019	6x6x6	8.2	36	38	2370	Non Engraved
12	Culvert 4' Span (232+00)	23	8	2019	6x6x6	8	36	97	6040	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](http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6)

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Phone Nos. 042-99029202, 042-99029217

9216  
Dr. Aqsa

To: Engr. Tajammal Farooq, Resident Engineer

AZ Engineering Associates. (M/s Sheikh Nazar Muhammad & Co)

Project: Construction Supervision of Scheme Pertaining to "Naya Pakistan Manzilen Asan" (RAP) Phase-1 for the Year 2018-19. Constt. of Mettl. Road from Skp-Sargodha etc. L= 9.10 Km.

Our Ref. No. CL/CED/ 8979 Dated: 03-10-19

Your Ref. No. RE/LHR-57 Dated: 16-09-19

## COMPRESSION TEST REPORT

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

Specimens received on: 20-09-19 Tested on: 24-09-19 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	Culvert 2' Span (173+00)	3	8	2019	6x6x6	8.6	36	60	3740	Non Engraved
2	Culvert 2' Span (173+00)	3	8	2019	6x6x6	8.2	36	91	5670	Non Engraved
3	Culvert 2' Span (173+00)	3	8	2019	6x6x6	8.6	36	59	3680	Non Engraved
4	Culvert 2' Span (188+35)	4	8	2019	6x6x6	8.4	36	43	2680	Non Engraved
5	Culvert 2' Span (188+35)	4	8	2019	6x6x6	8	36	82	5110	Non Engraved
6	Culvert 2' Span (188+35)	4	8	2019	6x6x6	8.6	36	53	3300	Non Engraved
7	Culvert 2' Span (253+50)	2	8	2019	6x6x6	8.6	36	64	3990	Non Engraved
8	Culvert 4' Span (253+50)	2	8	2019	6x6x6	8.8	36	76	4730	Non Engraved
9	Culvert 4' Span (253+50)	2	8	2019	6x6x6	8.2	36	56	3490	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

9226

To: (Engr. Muhammad Nayab Khalid), Planning and Monitoring Engineer.  
Matrix Management (Pvt) Ltd. 116-C Model Town, Lahore.  
Project: FFL Bhalwal.

Engr. Aamina

Our Ref. No. CL/CED/ 8980 Dated: 03-10-19

Your Ref. No. FFL/MMPL-4/2019/02 Dated: 20-09-19

## COMPRESSION TEST REPORT

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

Specimens received on: 23-09-19 Tested on: 02-10-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	AR		8.9x4.1x2.8	2428	36.49	44	2710	
2	AR		8.9x4.2x2.8	2441	37.38	36	2160	
3	AR		8.9x4.2x2.8	2411	37.38	35	2100	
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Phone Nos. 042-99029202, 042-99029217

9240

Engr. Aamina

To: **Sub Divisional Officer**

**Public Health Engineering Sub Division Raiwind. (M/S IBM Construction Co.)**

**Project: Construction of PCC & Drainage Scheme at Muhammad Pura, Abbas Abad & Ali Raza Abad, Lahore**

Our Ref. No. CL/CED/

8981

Dated:

03-10-19

Your Ref. No.

632/R

Dated:

23-05-19

## COMPRESSION TEST REPORT

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

Specimens received on:

26-09-19

Tested on:

02-10-19

in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	R1		9.0x4.5x2.9	2725	40.5	41	2270	
2	R1		9.0x4.5x2.9	2751	40.5	49	2710	
3	MC		8.7x4.4x2.9	2654	38.28	35	2050	
4	MC		8.7x4.4x2.9	2623	38.28	34	1990	
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Phone Nos. 042-99029202, 042-99029217

9223

Engr. A.Rehman

**To: Sub Divisional Officer**  
**Building Sub Division Kasur.**  
**Project: Construction of Building of Shelter Home at Kasur.**

Our Ref. No. CL/CED/ 8982 Dated: 03-10-19

Your Ref. No. 904 Dated: 11-09-19

## COMPRESSION TEST REPORT

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

Specimens received on: 23-09-19 Tested on: 03-10-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Rectangular Grey		7.8xx3.9x2.2	2548	30.42	114	8400	
2	Rectangular Grey		7.8xx3.9x2.2	2617	30.42	97	7150	
3	Rectangular Grey		7.8xx3.9x2.2	3064	30.42	104	7660	
4	Rectangular Grey		7.8xx3.9x2.2	2976	30.42	92	6780	
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