



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

10024

Dr. M. Yousaf

To: Lt. Col. Javaid Akbar (Retd.), Project Manager

TYPSA-ASIAN Consulting Engineers (JV).

Project: Passenger Terminal Building Expansion Project at Allama Iqbal International Airport (AIAP), Lahore, Pakistan-Package: Car Parking Area.

Our Ref. No. CL/CED/

62

Dated:

30-04-20

Your Ref. No.

TYPSA-PK-3110-20

Dated:

24-02-20

COMPRESSION TEST REPORT

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

Specimens received on:

27-02-20

Tested on:

28-04-20

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, Red		7.8x3.8x2.3	2682	29.64	104	7860	
2	Rectangular, Red		7.8x3.8x2.3	2823	29.64	115	8700	
3	Rectangular, Red		7.8x3.8x2.3	2748	29.64	106	8020	
4	Rectangular, Red		7.8x3.8x2.3	2688	29.64	94	7110	
5	Rectangular, Red		7.8x3.8x2.3	2784	29.64	110	8320	
6	Rectangular, Red		7.8x3.8x2.3	2719	29.64	84	6350	
7	Rectangular, Red		7.8x3.8x2.3	2690	29.64	90	6810	
8	Rectangular, Red		7.8x3.8x2.3	2717	29.64	144	10890	
9	Rectangular, Red		7.8x3.8x2.3	2711	29.64	91	6880	
10	Rectangular, Red		7.8x3.8x2.3	2691	29.64	104	7860	
11	Rectangular, Red		7.8x3.8x2.3	2739	29.64	86	6500	
12	Rectangular, Red		7.8x3.8x2.3	2707	29.64	60	4540	
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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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Department of Civil Engineering

University of Engineering and Technology, Lahore

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10083

Dr. M. Yousaf

To: **Jawad Zafar, Civil Department.**

Tahir Omer Industries Ltd.

Project: Nil

Our Ref. No. CL/CED/

63

Dated:

30-04-20

Your Ref. No.

Nil

Dated:

05-03-20

COMPRESSION TEST REPORT

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

Specimens received on:

11-03-20

Tested on:

28-04-20

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	2736	29.64	47	3560	
2	Rectangular, Grey		7.8x3.8x2.3	2761	29.64	49	3710	
3	Rectangular, Grey		7.8x3.8x2.3	2741	29.64	48	3630	
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9997

Dr. M. Yousaf

To: (Rana Aadil Farooq), Deputy Director (QCD)

WASA LDA, Lahore. (M/s Aasaan Associates).

Project: Tender No. P&S/25.01/6155 Shiting of System of 24" & 36" Dia at Chuburji Chowk along the Route of Storm Water Drainage System WASA, LDA, Lahore.

Our Ref. No. CL/CED/ 64 Dated: 30-04-20

Your Ref. No. QCD/1702-03 Dated: 14-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-02-20 Tested on: 27-04-20 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	5		8.7x4.3x2.9	3019	37.41	50	3000	
2	5		8.7x4.3x2.9	3009	37.41	58	3480	
3	5		8.8x4.4x2.9	3023	38.72	60	3480	
4	5		8.7x4.3x2.9	3051	37.41	55	3300	
5	5		8.8x4.4x2.9	3049	38.72	54	3130	
6	5		8.7x4.3x2.9	3011	37.41	50	3000	
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10019

Dr. M. Yousaf

To: (Rana Aadil Farooq), Deputy Director (QCD)

WASA LDA, Lahore. (M/s. Haji Nizakat Ali & Co.)

Project: Tender No. XEN(O&M) / GT /2018-19/71/12979-83 Improvement of Sewerage System at Shahrah-E-Hazrat Imam Hussain Road Gulberg-III in Gulberg Sub Division WASA, LDA, Lahore. (Part-A).

Our Ref. No. CL/CED/ 65 Dated: 30-04-20

Your Ref. No. QCD/1625-26 Dated: 05-12-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-02-20 Tested on: 30-04-20 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	M.A		9.0x4.3x3.0	3260	38.7	50	2900	
2	M.A		9.0x4.4x3.0	3294	39.6	37	2100	
3	M.A		8.9x4.3x2.9	3271	38.27	52	3050	
4	M.A		8.9x4.4x2.9	3290	39.16	52	2980	
5	M.A		9.0x4.4x3.0	3281	39.6	47	2660	
6	M.A		9.0x4.4x3.0	3274	39.6	55	3120	
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