



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

To: (Rana Aadil Farooq), Deputy Director (QCD)
WASA, LDA, Lahore. (M/s Mimatsu Trading Co.).
Project: Tender No. XEN (O&M-II)/ GBT/ 2019-20/03 Improvement / Replacement of Sewer System from 116 to 223 Block-A in Gulshan-e-Ravi Sub Division WASA, LDA, Lahore.

Our Ref. No. CL/CED/ 9518 Dated: 26-12-19
Your Ref. No. QCD/1618-19 Dated: 05-12-19

9612
Dr. Umbreen

COMPRESSION TEST REPORT

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

Specimens received on: 06-12-19 Tested on: 26-12-19 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	TR				8.8x4.4x2.9	3312	38.72	53	3070	
2	TR				8.9x4.4x2.9	3247	39.16	53	3040	
3	TR				8.9x4.4x2.8	3230	39.16	41	2350	
4	TR				8.8x4.3x2.9	3181	37.84	27	1600	
5	TR				8.8x4.4x2.9	3111	38.72	53	3070	
6	TR				8.9x4.4x2.9	3162	39.16	35	2010	
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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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To: (Rana Aadil Farooq), Deputy Director (QCD)
WASA, LDA, Lahore. (M/s Seven Star Construction Co.)
Project: Tender No. P&S/25.01/5867- Provision of Water Supply in Shadi Pura, Qalandar Pura Tanveerabad etc. Areas.

9621
Dr. Umbreen

Our Ref. No. CL/CED/ 9519 Dated: 26-12-19

Your Ref. No. QCD/1635-36 Dated: 05-12-19

COMPRESSION TEST REPORT

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

Specimens received on: 09-12-19 Tested on: 26-12-19 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	A2				8.7x4.2x2.8	3110	36.54	45	2760	
2	A2				8.7x4.2x2.8	3071	36.54	45	2760	
3	A2				8.7x4.3x2.8	3029	37.41	45	2700	
4	A2				8.7x4.3x2.8	3046	37.41	43	2580	
5	A2				8.8x4.4x2.8	3050	38.72	41	2380	
6	A2				8.8x4.4x2.8	3120	38.72	45	2610	
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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

9584

To: (Rana Aadil Farooq), Deputy Director (QCD)
WASA, LDA, Lahore. (M/S Naeem Akram Enterprises).
Project: Tender No. XEN (O&M)-II/ GBT/19-20/13 Improvement/Replacement of Sewerage System at
Mubashir Street, Ghani Colony & Ghousia Colony in Gulshan-e-Ravi Sub Division WASA, LDA, Lahore.

Dr. Umbreen

Our Ref. No. CL/CED/ 9520 Dated: 26-12-19

Your Ref. No. QCD/1592-93 Dated: 28-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-12-19 Tested on: 26-12-19 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	K-9				8.9x4.4x2.9	3285	39.16	47	2690	
2	K-9				8.9x4.4x2.9	3249	39.16	45	2580	
3	K-9				8.8x4.4x2.9	3271	38.72	49	2840	
4	K-9				8.8x4.4x2.9	3288	38.72	49	2840	
5	K-9				8.9x4.4x2.9	3297	39.16	41	2350	
6	K-9				8.8x4.4x2.9	3290	38.72	39	2260	
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To: (Rana Aadil Farooq), Deputy Director (QCD)
WASA, LDA, Lahore. (M/S M. Rashid Ashraf & Brother).
Project:Tend. No. XEN (O&M)-II/ GBT/19-20/05 Impro/Replac. of Sewerage System at Sadiqui,Hassan,Church
Street,Mohal. Fazal Gunj Samnabad in Gulshan-e-Ravi S/D WASA,LDA,LHR.(UC-79, PP-151 & 152, NA-126).

Our Ref. No. CL/CED/ 9521 Dated: 26-12-19
Your Ref. No. QCD/1629-30 Dated: 05-12-19

9628
Dr. Umbreen

COMPRESSION TEST REPORT

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

Specimens received on: 09-12-19 Tested on: 26-12-19 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	Y				8.9x4.4x2.9	3140	39.16	37	2120	
2	Y				8.9x4.4x2.9	3195	39.16	45	2580	
3	Y				8.9x4.4x2.9	3135	39.16	35	2010	
4	Y				8.9x4.4x2.9	3184	39.16	35	2010	
5	Y				8.8x4.3x2.9	3290	37.84	25	1480	
6	Y				8.9x4.4x2.9	3130	39.16	45	2580	
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To: (Rana Aadil Farooq), Deputy Director (QCD)
WASA, LDA, Lahore. (M/s Impreza Construction Pvt. Ltd.)
Project: Tender P&S/25.01/6030 Improvement / Rehabilitation of B-Block Disposal Station in Taj Pura Sub
Division WASA, LDA, Lahore.

9623
Dr. Umbreen

Our Ref. No. CL/CED/ 9522 Dated: 26-12-19
Your Ref. No. QCD/1556-57 Dated: 26-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 09-12-19 Tested on: 26-12-19 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				8.9x4.4x2.9	3271	39.16	41	2350	
2	R1				8.9x4.4x2.9	3143	39.16	41	2350	
3	R1				8.8x4.4x2.8	3229	38.72	37	2140	
4	R1				8.9x4.4x2.9	3171	39.16	43	2460	
5	R1				8.8x4.4x2.8	3195	38.72	43	2490	
6	R1				8.8x4.4x2.8	3209	38.72	43	2490	
7	R1				8.9x4.4x2.9	3254	39.16	43	2460	
8	R1				8.9x4.4x2.8	3169	39.16	41	2350	
9	R1				8.8x4.4x2.8	3204	38.72	43	2490	
10	R1				8.9x4.4x2.9	3231	39.16	37	2120	
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To: (Rana Aadil Farooq), Deputy Director (QCD)
WASA, LDA, Lahore. (M/S M. Rashid Ashraf & Brother).
Project:Tend. No. XEN (O&M)-II/ GBT/19-20/6 Impro/Replac. of Sewerage System at Tayab Masjid Road & Rasheed Street in Gulshan-e-Ravi S/D WASA,LDA,LHR.(UC-79, PP-151 & 152, NA-126).

Our Ref. No. CL/CED/ 9523 Dated: 26-12-19
Your Ref. No. QCD/1631-32 Dated: 05-12-19

9628
Dr. Umbreen

COMPRESSION TEST REPORT

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

Specimens received on: 09-12-19 Tested on: 26-12-19 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	Y		8.8x4.3x2.9	3222	37.84	42	2490	
2	Y		8.8x4.3x2.8	3296	37.84	47	2790	
3	Y		8.9x4.4x2.8	3248	39.16	33	1890	
4	Y		8.8x4.3x2.8	3161	37.84	43	2550	
5	Y		8.9x4.4x2.9	3332	39.16	45	2580	
6	Y		8.9x4.4x2.9	3296	39.16	37	2120	
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