



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

To: **Engr. Muhammad Abdullah (Assistant Engineer)**
B&W Department, UET Lahore
Project: Workshop and Design Center UET Lahore

9559
Dr. Aqsa

Our Ref. No. CL/CED/ 9451 Dated: 12-12-19
Your Ref. No. B&W/AEN/1239 Dated: 27-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-11-19 Tested on: 10-12-19 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	J-17			8.8x4.3x2.8	3057	37.84	50	2960	
2	J-17			8.8x4.4x2.9	3109	38.72	61	3530	
3	J-17			8.9x4.4x2.9	3074	39.16	45	2580	
4	J-17			8.9x4.4x2.9	3119	39.16	55	3150	
5	J-17			8.9x4.3x2.9	3084	38.27	46	2700	
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/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

9559

Dr. Aqsa

To: **Engr. Muhammad Abdullah (Assistant Engineer)**
B&W Department, UET Lahore
Project: Workshop and Design Center UET Lahore

Our Ref. No. CL/CED/ 9452 Dated: 12-12-19

Your Ref. No. B&W/AEN/1240 Dated: 27-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-11-19 Tested on: 10-12-19 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	J-17			8.9x4.4x2.9	3067	39.16			
2	J-17			8.9x4.4x2.9	3041	39.16			
3	J-17			8.8x4.4x2.8	3110	38.72			
4	J-17			8.9x4.4x2.9	3067	39.16			
5	J-17			8.9x4.4x2.9	3097	39.16			
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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

9563

To: **Ch. Liaqat Ali (Resident Engineer)**

Engr. Abdul Rehman

G3 Engineering Consultants (Pvt.) Ltd. Lahore

Project: Construction Supervision of Provision of Missing Specialities for Up Gradation of DHQ Hospital to Teaching Hospital Gujranwala (Group 1)

Our Ref. No. CL/CED/

9453

Dated:

12-12-19

Your Ref. No.

G3/205/1146

Dated:

16-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 28-11-19 Tested on: 12-12-19 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 3		8.7x4.3x2.8	3103	37.41	47	2820	
2	K 3		8.8x4.4x2.7	3190	38.72	46	2670	
3	K 3		8.8x4.3x2.8	3121	37.84	32	1900	
4	K 3		8.8x4.4x2.7	3162	38.72	25	1450	
5	K 3		8.8x4.4x2.8	3084	38.72	39	2260	
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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

9565
Engr. Abdul
Rehman

To: Arfan UI Haq (Resident Engineer)
H&TE Section, NESPAK (Pvt.) Ltd. Islamabad
Project: China-Pakistan Economic Corridor (CPEC), Western Route Hakla (On M1) ~ Yarak (D.I Khan)
Motorway, Package-3 (Tarap to Kot Belian)

Our Ref. No. CL/CED/ 9454 Dated: 12-12-19

Your Ref. No. CPEC/NESPAK/CS/RE/PKG3/19/1275 Dated: 27-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 28-11-19 Tested on: 12-12-19 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	1 1		8.6x4.1x2.8	2767	35.26	56	3560	Machine Made
2	1 1		8.6x4.1x2.8	2784	35.26	53	3370	Machine Made
3	1 1		8.7x4.1x2.8	2773	35.67	57	3580	Machine Made
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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

9575

To: Sub Divisional Officer (Buildings)

Engr. Abdul Rehman

Sub Division Sheikhupura

Project: Construction of 02-Nos Additional Class Rooms at GPS Manga Virkan Tehsil Sheikhupura
District Sheikhupura

Our Ref. No. CL/CED/ 9455 Dated: 12-12-19

Your Ref. No. 6093/S Dated: 22-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-12-19 Tested on: 12-12-19 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	M 1		8.9x4.4x2.9	2929	39.16	52	2980	
2	M 1		8.9x4.4x2.8	3056	39.16	41	2350	
3	M 1		8.8x4.3x2.8	3007	37.84	41	2430	
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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

9575

To: Sub Divisional Officer (Buildings)

Engr. Abdul Rehman

Sub Division Sheikhupura

Project: Construction of 02-Nos Additional Class Rooms at GPS Chak 11 UCC Sharaqpur District Sheikhupura

Our Ref. No. CL/CED/

9456

Dated:

12-12-19

Your Ref. No.

6095/S

Dated:

22-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-12-19 Tested on: 12-12-19 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	F B		8.7x4.2x2.7	3156	36.54	44	2700	
2	F B		8.8x4.3x2.7	3120	37.84	47	2790	
3	F B		8.7x4.2x2.8	3147	36.54	41	2520	
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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

9575

To: Sub Divisional Officer (Buildings)

Engr. Abdul Rehman

Sub Division Sheikhupura

Project: Construction of 02-Nos Additional Class Rooms at GPS Fateh Kalas Tehsil Sheikhupura District Sheikhupura

Our Ref. No. CL/CED/

9457

Dated:

12-12-19

Your Ref. No.

6096/S

Dated:

22-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-12-19 Tested on: 12-12-19 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	F B		8.8x4.3x2.8	3178	37.84	38	2250	
2	F B		8.8x4.4x2.9	3185	38.72	41	2380	
3	F B		8.8x4.3x2.8	3169	37.84	39	2310	
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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

9576

To: **Sub Divisional Officer (Buildings)**
Sub Division Sheikhpura

Engr. Abdul Rehman

Project: Construction of 02-Nos Additional Class Rooms at GGPS Kathaya Wala District Sheikhpura

Our Ref. No. CL/CED/ 9458 Dated: 12-12-19

Your Ref. No. 6089/S Dated: 22-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-12-19 Tested on: 12-12-19 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	7		8.6x4.1x2.9	2929	35.26	39	2480	
2	7		8.6x4.2x2.9	3012	36.12	46	2860	
3	7		8.7x4.1x2.8	2990	35.67	41	2580	
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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

9576

Engr. Abdul Rehman

To: **Sub Divisional Officer (Buildings)**

Sub Division Sheikhupura

Project: Construction of 02-Nos Additional Class Rooms at GGPS Chak No.5 UCC Tehsil Sheikhupura District Sheikhupura

Our Ref. No. CL/CED/

9459

Dated:

12-12-19

Your Ref. No.

6097/S

Dated:

22-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-12-19 Tested on: 12-12-19 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	F B		8.7x4.2x2.8	3181	36.54	37	2270	
2	F B		8.7x4.2x2.9	3119	36.54	33	2030	
3	F B		8.7x4.3x2.8	3124	37.41	37	2220	
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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

9576

To: **Sub Divisional Officer (Buildings)**

Engr. Abdul Rehman

Sub Division Sheikhupura

Project: Construction of 02-Nos Additional Class Rooms at GPS Hoikay Tehsil Sheikhupura District Sheikhupura

Our Ref. No. CL/CED/

9460

Dated:

12-12-19

Your Ref. No.

6090/S

Dated:

22-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-12-19 Tested on: 12-12-19 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	M 3		8.9x4.4x2.9	3118	39.16	33	1890	
2	M 3		8.9x4.3x2.9	3094	38.27	33	1940	
3	M 3		8.9x4.4x2.9	3121	39.16	33	1890	
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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

9576

To: Sub Divisional Officer (Buildings)

Engr. Abdul Rehman

Sub Division Sheikhupura

Project: Construction of 02-Nos Additional Class Rooms at GGPS Chak 22 UCC Sharaqpur District Sheikhupura

Our Ref. No. CL/CED/

9461

Dated:

12-12-19

Your Ref. No.

6073/S

Dated:

20-11-19

COMPRESSION TEST REPORT

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

Specimens received

on:

02-12-19

Tested on:

12-12-19

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	1		8.6x4.2x2.9	3007	36.12	36	2240	
2	1		8.6x4.1x2.8	2991	35.26	54	3440	
3	1		8.6x4.2x2.9	3012	36.12	34	2110	
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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

9576

To: Sub Divisional Officer

Engr. Abdul Rehman

Buildings Sub Division Sheikhupura

Project: Construction of 02-Nos Additional Class Rooms at GPS Chak No.16 UCC Sharaqpur District Sheikhupura

Our Ref. No. CL/CED/

9462

Dated:

12-12-19

Your Ref. No.

6091/S

Dated:

22-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-12-19 Tested on: 12-12-19 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	D 1		8.8x4.3x2.8	3029	37.84	53	3140	
2	D 1		8.8x4.3x2.8	3001	37.84	44	2610	
3	D 1		8.7x4.2x2.8	3021	36.54	42	2580	
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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

9576

To: Sub Divisional Officer (Buildings)

Engr. Abdul Rehman

Sub Division Sheikhupura

Project: Construction of 04-Nos Additional Class Rooms at GGPS Dudian Wala Dhudyan Wala Tehsil Sheikhupura District Sheikhupura

Our Ref. No. CL/CED/

9463

Dated:

12-12-19

Your Ref. No.

6094/S

Dated:

22-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-12-19 Tested on: 12-12-19 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	8		8.7x4.3x2.8	3111	37.41	27	1620	
2	8		8.7x4.2x2.7	3125	36.54	44	2700	
3	8		8.7x4.2x2.8	3084	36.54	48	2950	
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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



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

9576

To: Sub Divisional Officer (Buildings)

Engr. Abdul Rehman

Sub Division Sheikhupura

Project: Construction of 02-Nos Additional Class Rooms at GGPS Ratoana Tehsil Sheikhupura District Sheikhupura

Our Ref. No. CL/CED/

9464

Dated:

12-12-19

Your Ref. No.

6077/S

Dated:

20-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-12-19 Tested on: 12-12-19 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	A B C		8.8x4.2x3.0	3015	36.96	47	2850	
2	A B C		8.8x4.3x2.9	3040	37.84	36	2140	
3	A B C		8.7x4.3x2.8	3009	37.41	40	2400	
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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

9576

To: Sub Divisional Officer (Buildings)

Engr. Abdul Rehman

Sub Division Sheikhpura

Project: Construction of 02-Nos Additional Class Rooms at GMPS Momen Pura Tehsil Ferozewala District Sheikhpura

Our Ref. No. CL/CED/

9465

Dated:

12-12-19

Your Ref. No.

6142/S

Dated:

29-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-12-19 Tested on: 12-12-19 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	A B C		8.8x4.3x2.9	3170	37.84	48	2850	
2	A B C		8.8x4.2x2.9	3120	36.96	36	2190	
3	A B C		8.8x4.3x2.9	3159	37.84	54	3200	
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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

9587

To: Assistant Resident Engineer

Engr. Abdul Rehman

ES Consultants Pvt. Ltd. Lahore

Project: Construction of Additional Class Rooms in selected Scholls of Punjab (Package-2), GGPS Baroon Gaddoki & GGPS Naseerabad Distt. Kasur Tehsil Kasur (EMIS: 35120583 & 35120500)

Our Ref. No. CL/CED/

9466

Dated:

12-12-19

Your Ref. No.

ESC/PMIU/P2/0022

Dated:

27-11-19

COMPRESSION TEST REPORT

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

Specimens received on:

03-12-19

Tested on:

12-12-19

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	P C		8.9x4.4x3.0	3316	39.16	36	2060	
2	P C		8.9x4.4x3.0	3351	39.16	49	2810	
3	P C		8.8x4.4x2.9	3291	38.72	43	2490	
4	P C		8.9x4.4x3.0	3364	39.16	34	1950	
5	P C		8.8x4.4x2.9	3285	38.72	43	2490	
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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