



**Plain and Reinforced Concrete Laboratory**  
**Civil Engineering Department**  
 University of Engineering and Technology, Lahore, Pakistan  
 Landline: 042-99029245 & 042-99029202      Mobile: 0307-0496895

**ORIGINAL**  
 A carbon copy for the report has been retained in the lab for record.

6553  
 Dr. M. Yousaf

To: HOD Admin  
 United Empire Properties LLP, Etihad Town Phase-II.

Project: Etihad Town Phase-II, Raiwind Road, Lahore.

Our Ref. No. CL/CED/ 3974

Dated: 17-01-24

Test Specification

Your Ref. No. Nil

Dated: 16-01-24

( ---- )

## COMPRESSION TEST REPORT



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

Specimens received on:  Tested on:  in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2860	29.64	137	10354	---	---
2	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2670	29.64	71	5366	---	---
3	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2770	29.64	98	7406	---	---
4	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2955	29.64	119	8993	---	---
5	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2800	29.64	88	6650	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- \* 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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**Civil Engineering Department**  
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ORIGINAL  
 A carbon copy for the report has been retained in the lab for record.

6545  
 Dr. M. Yousaf

To: Mr. Shahzad Khaleeq Awan  
 Sr. Manager Projects, Izhar Construction (Pvt) Ltd.

Project: Construction of 36.5 MW CFPP Plant at Mughal Steel Sheikhpura.

Our Ref. No. CL/CED/ 3975

Dated: 17-01-24

Test Specification

Your Ref. No. 0682/ICPL/15/01/2024/T-006

Dated: 15-01-24

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on:  Tested on:  in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Lab No.01 (4350 Psi)	16	12	2023	6x6x6	---	8.2	36	107	6658	---	Non Engraved
2	Lab No.01 (4350 Psi)	16	12	2023	6x6x6	---	8.4	36	74	4604	---	Non Engraved
3	Lab No.01 (4350 Psi)	16	12	2023	6x6x6	---	8.6	36	107	6658	---	Non Engraved
4	Lab No.04 (4350 Psi)	17	12	2023	6x6x6	---	8.2	36	97	6036	---	Non Engraved
5	Lab No.04 (4350 Psi)	17	12	2023	6x6x6	---	8.2	36	94	5849	---	Non Engraved
6	Lab No.04 (4350 Psi)	17	12	2023	6x6x6	---	8.8	36	114	7093	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* 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

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Director/Dy. Director Concrete Laboratory



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**ORIGINAL**  
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6362  
 Dr. Aqsa

**To:** (Mr. M. Arif Sahi)  
 Project Manager / Team Leader, BARQAAB Consulting Services Pvt. Ltd.

**Project:** Contract No. WB-05A-2019, Design, Supply and Installation of 500/220kV Nowshehra HVAC Grid Station and Associated 500kV D/C OHTL.

**Our Ref. No.** CL/CED/ 3976

**Dated:** 17-01-24

**Test Specification**

**Your Ref. No.** WB-05A/BQB/NTDC/0818

**Dated:** 10-12-23

( BS 3921\*\* )

## COMPRESSION TEST REPORT



ONLINE REPORT

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

**Specimens received on:** 11-12-23 **Tested on:** 10-01-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	PR-1	---	---	---	8.8 x 4.3 x 2.9	3580	3235	37.84	19	1125	10.66	---
2	PR-1	---	---	---	8.7 x 4.2 x 2.8	3250	2840	36.54	17	1042	14.44	---
3	PR-1	---	---	---	8.7 x 4.3 x 2.7	3375	2875	37.41	22	1317	17.39	---
4	PR-1	---	---	---	8.8 x 4.3 x 2.8	3350	3070	37.84	13	770	9.12	---
5	PR-1	---	---	---	8.7 x 4.2 x 2.7	3215	2670	36.54	19	1165	20.41	---
6	PR-1	---	---	---	8.7 x 4.3 x 2.9	3365	3045	37.41	32	1916	10.51	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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**Witnessed by:**

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

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**Director/Dy. Director Concrete Laboratory**



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**ORIGINAL**  
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6555  
 Dr. Asad Gillani

**To: Mr. M. Usman Rauf**  
 Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd.  
 Project: Restoration of Road Cuts for Laying of Sui Gas Pipe Line of Arshad Mohallah Shahdara Town, Lahore. (MCL Projects)  
 Our Ref. No. CL/CED/ 3977  
 Your Ref. No. 4084/103/MUR/104/1119

Dated: 17-01-24  
 Dated: 04-01-24

**Test Specification**  
 ( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: 17-01-24    Tested on: 17-01-24    in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	---	15	12	2023	6x6x6	---	8	36	83	5164	---	Non Engraved
2	---	15	12	2023	6x6x6	---	8	36	99	6160	---	Non Engraved
3	---	15	12	2023	6x6x6	---	8	36	97	6036	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* as engraved on the specimens (if any)
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Director/Dy. Director Concrete Laboratory



# Plain and Reinforced Concrete Laboratory

## Civil Engineering Department

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**ORIGINAL**  
A carbon copy for the report has been retained in the lab for record.

6554  
Dr. Asad Gillani

To: S & S Associates, Engineers & Builders  
Johar Town, Lahore.

Project: Sapphire Textile Mills, Extension of Washing Area Located at Designtex (SMC) Pvt Ltd. Bhupian Chowk, Lahore.

Our Ref. No. CL/CED/ 3978

Dated: 17-01-24

Test Specification

Your Ref. No. SMC (W-A #24)/019

Dated: 17-01-24

(BS 1881-116)

## COMPRESSION TEST REPORT



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

Specimens received on: 17-01-24 Tested on: 17-01-24 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	RCC Column (C-30)	9	1	2024	6x6x6	---	8	36	50	3111	---	Non Engraved
2	RCC Column (C-30)	9	1	2024	6x6x6	---	8	36	58	3609	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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- \*\*\*\* 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

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6554  
 Dr. Asad Gillani

**To: S & S Associates, Engineers & Builders**  
 Johar Town, Lahore.

**Project: Sapphire Textile Mills, Extension of Washing Area Located at Designtex (SMC) Pvt Ltd. Bhupian Chowk, Lahore.**

**Our Ref. No. CL/CED/ 3979**

**Dated: 17-01-24**

**Test Specification**

**Your Ref. No. SMC (W-A #24)/017**

**Dated: 10-01-24**

**( BS 1881-116 )**

## COMPRESSION TEST REPORT



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

Specimens received on: 17-01-24 Tested on: 17-01-24 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	RCC Column (C-30)	28	12	2023	6x6x6	---	8.2	36	79	4916	---	Non Engraved
2	RCC Column (C-30)	28	12	2023	6x6x6	---	8.4	36	72	4480	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:**

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* as engraved on the specimens (if any)
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ORIGINAL  
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6530  
 Dr. M. Mazhar

To: **S & S Associates**  
 Johar Town, Lahore.

Project: Sapphire Textile Mills, Extension of Washing Area Located at Designtex (SMC) Pvt Ltd. Bhupian Chowk, Lahore.

Our Ref. No. CL/CED/ 3980

Dated: 17/1/2024

Test Specification

Your Ref. No. SMC (W-A # 24)/018

Dated: 12-01-24

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on:  Tested on:  in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	RCC Column (C-30)	31	12	2023	6x6x6	---	8	36	34	2116	---	Non Engraved
2	RCC Column (C-30)	31	12	2023	6x6x6	---	8.8	36	36	2240	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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6504  
 Dr. M. Yousaf

**To: Mr. SADAT WALEED ANSARI**  
 Chief Resident Engineer/ TL, JERS Consultancy (Pvt) Ltd  
 Project: Punjab Cities Program (PCP)- PMDFC, Improvement and Construction of Chowks in Kamalia City, MC Kamalia. (Contractor: M/s Subhan Construction Company)  
 Our Ref. No. CL/CED/ 3981      Dated: 17/1/2024  
 Your Ref. No. 488-J01-102-03-01-CS-22      Dated: 08-01-24

Test Specification  
 ( ---- )

## COMPRESSION TEST REPORT



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

Specimens received on: 08-01-24 Tested on: 16-01-24 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Uni-Block, Grey, 80 mm	---	---	---	3.2 thick	---	4645	37.44	134	8017	---	---
2	Uni-Block, Grey, 80 mm	---	---	---	3.2 thick	---	4575	37.44	91	5444	---	---
3	Uni-Block, Grey, 80 mm	---	---	---	3.2 thick	---	4665	37.44	121	7239	---	---
4	Uni-Block, Red, 80 mm	---	---	---	3.2 thick	---	4825	37.44	147	8795	---	---
5	Uni-Block, Red, 80 mm	---	---	---	3.2 thick	---	4980	37.44	131	7838	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by: Ghulam Murtaza, PO (ID)-PMDFC; Umer Farooq, Design Engr. JERS Consultancy; Sadat Waleed, CRE JERS Consultancy**

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/1/>

- \* 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**  
**Civil Engineering Department**  
 University of Engineering and Technology, Lahore, Pakistan  
 Landline: 042-99029245 & 042-99029202      Mobile: 0307-0496895

ORIGINAL  
 A carbon copy for the report has been retained in the lab for record.

6504  
 Dr. M.Yousaf

**To: Mr. SADAT WALEED ANSARI**  
 Chief Resident Engineer/ TL, JERS Consultancy (Pvt) Ltd  
 Project: Punjab Cities Program (PCP)- PMDFC, Construction of SWM Parking Area in MC Hafizabad.  
 (Contractor: M/s Imran Sharif Constructor)  
 Our Ref. No. CL/CED/ 3982      Dated: 17/1/2024  
 Your Ref. No. 488-J01-102-08-04/CS/03      Dated: 08-01-24

Test Specification  
 ( ---- )

## COMPRESSION TEST REPORT



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

Specimens received on:  Tested on:  in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Uni-Block, Red, 80mm	---	---	---	3.2 thick	---	4585	36.99	126	7630	---	---
2	Uni-Block, Red, 80mm	---	---	---	3.2 thick	---	4675	36.99	140	8478	---	---
3	Uni-Block, Red, 80mm	---	---	---	3.2 thick	---	4565	36.99	119	7206	---	---
4	Uni-Block, Grey, 80mm	---	---	---	3.2 thick	---	4695	36.99	109	6601	---	---
5	Uni-Block, Grey, 80mm	---	---	---	3.2 thick	---	4760	36.99	128	7751	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Ghulam Murtaza, PO (ID)-PMDFC; Umer Farooq, Design Engr. JERS Consultancy; Sadat Waleed, CRE JERS Consultancy

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/1/>

- \* 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

## Civil Engineering Department

University of Engineering and Technology, Lahore, Pakistan  
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

**ORIGINAL**  
A carbon copy for the report has been retained in the lab for record.

6504  
Dr. M.Yousaf

To: Mr. SADAT WALEED ANSARI  
Chief Resident Engineer/ TL, JERS Consultancy (Pvt) Ltd  
Project: Punjab Cities Program (PCP)- PMDFC, Construction of SWM Parking Area in MC Daska. (Contractor: M/s Imran Sharif Constructor)  
Our Ref. No. CL/CED/ 3983 Dated: 17/1/2024 Test Specification  
Your Ref. No. 488-J01-102-09-02/CS/06 Dated: 08-01-24 (----)

### COMPRESSION TEST REPORT



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

Specimens received on: 08-01-24 Tested on: 16-01-24 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Uni-Block, Grey, 80mm	---	---	---	3.1 thick	---	4455	36.99	116	7025	---	---
2	Uni-Block, Grey, 80mm	---	---	---	3.1 thick	---	4490	36.99	108	6540	---	---
3	Uni-Block, Grey, 80mm	---	---	---	3.1 thick	---	4485	36.99	111	6722	---	---
4	Uni-Block, Red, 80mm	---	---	---	3.1 thick	---	4495	36.99	132	7994	---	---
5	Uni-Block, Red, 80mm	---	---	---	3.1 thick	---	4240	36.99	87	5268	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Ghulam Murtaza, PO (ID)-PMDFC; Umer Farooq, Design Engr. JERS Consultancy; Sadat Waleed, CRE JERS Consultancy

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/1/>

- \* 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**  
**Civil Engineering Department**  
 University of Engineering and Technology, Lahore, Pakistan  
 Landline: 042-99029245 & 042-99029202      Mobile: 0307-0496895

**ORIGINAL**  
 A carbon copy for the report has been retained in the lab for record.

6540  
 Dr. M. Mazhar

**To: Executive Engineer**  
 Highway Division, Vehari, Punjab Highway Department

**Project: Construction of Carpetted Road from DM Road to Luddan Road along the Mana 2R/3L Minor. Length = 8.80 KM District Vehari**

**Our Ref. No. CL/CED/ 3984**

**Dated: 17/1/2024**

**Test Specification**

**Your Ref. No. No.E-16/934/CB**

**Dated: 01-01-24**

**( ---- )**

## COMPRESSION TEST REPORT



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

Specimens received on: **15-01-24** Tested on: **17/1/2024** in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	I-Section, Grey, 60 mm	---	---	---	2.4 thick	---	3930	41.92	200	10687	---	---
2	I-Section, Grey, 60 mm	---	---	---	2.4 thick	---	4010	41.92	180	9618	---	---
3	I-Section, Grey, 60 mm	---	---	---	2.4 thick	---	3970	41.92	186	9939	---	---
4	I-Section, Grey, 60 mm	---	---	---	2.4 thick	---	3385	41.92	40	2137	---	---
5	I-Section, Grey, 60 mm	---	---	---	2.4 thick	---	3760	41.92	176	9405	---	---
6	I-Section, Grey, 60 mm	---	---	---	2.4 thick	---	3950	41.92	180	9618	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:**

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* 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**  
**Civil Engineering Department**  
 University of Engineering and Technology, Lahore, Pakistan  
 Landline: 042-99029245 & 042-99029202      Mobile: 0307-0496895

ORIGINAL  
 A carbon copy for the report has been retained in the lab for record.

6547  
 Dr. M. Mazhar

To: Aman Associates, Lahore.  
 110-B Central Park Ferozpur Road Lahore, Pakistan

Project: Nil

Our Ref. No. CL/CED/ 3985

Dated: 17/1/2024

Test Specification

Your Ref. No. Nil

Dated: 15/1/2024

( ---- )

## COMPRESSION TEST REPORT



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

Specimens received on:  Tested on:  in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Solid Block- Conc. Type (1:2:3)	2	1	2024	11.8 x 4 x 7.9	---	13.4	47.2	13	617	---	---
2	Solid Block- Conc. Type (1:2:3)	2	1	2024	11.9 x 4 x 7.9	---	13	47.6	7	329	---	---
3	Solid Block- Conc. Type (1:2:3)	2	1	2024	11.9 x 4 x 7.9	---	13	47.6	12	565	---	---
4	Solid Block- Conc. Type (1:2:3)	2	1	2024	11.9 x 4 x 7.9	---	12.6	47.6	11	518	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* 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

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- 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**  
**Civil Engineering Department**  
 University of Engineering and Technology, Lahore, Pakistan  
 Landline: 042-99029245 & 042-99029202      Mobile: 0307-0496895

**ORIGINAL**  
 A carbon copy for the report has been retained in the lab for record.

6494  
 Dr. M. Mazhar

To: Engr. Nouman Qamar  
 Resident Engineer, AZ Engineering Associates, Narowal.

Project: Widening / Improvement of Road from Sialkot Cantt to Jassar Garrison Length = 69.00 KM, in District Narowal (Site- RD: 1081+00-1364+00)

Our Ref. No. CL/CED/ 3986

Dated: 17/1/2024

Test Specification

Your Ref. No. AZ/RE/SNR/67

Dated: 21/12/2023

( BS 3921\*\* )

## COMPRESSION TEST REPORT



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

Specimens received on: 04-01-24      Tested on: 17/1/2024      in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Machine Made Double Line	---	---	---	8.7 x 4.2 x 2.8	3200	2645	36.54	44	2697	20.98	---
2	Machine Made Double Line	---	---	---	8.7 x 4.2 x 2.8	3195	2700	36.54	42	2575	18.33	---
3	Machine Made Double Line	---	---	---	8.6 x 4.2 x 2.8	3175	2595	36.12	26	1612	22.35	---
4	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.8	3140	2605	36.96	42	2545	20.54	---
5	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.8	3190	2620	36.96	38	2303	21.76	---
6	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.8	3235	2680	36.96	38	2303	20.71	---
7	Machine Made Double Line	---	---	---	8.7 x 4.2 x 2.8	3160	2615	36.54	32	1962	20.84	---
8	Machine Made Double Line	---	---	---	8.7 x 4.2 x 2.8	3200	2625	36.54	32	1962	21.9	---
9	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.8	3155	2595	36.96	40	2424	21.58	---
10	Machine Made Double Line	---	---	---	8.6 x 4.2 x 2.8	3115	2585	36.12	40	2481	20.5	---
11	Machine Made Double Line	---	---	---	8.6 x 4.2 x 2.8	3175	2650	36.12	38	2357	19.81	---
12	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.8	3335	2830	36.96	38	2303	17.84	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* 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

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- 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**  
**Civil Engineering Department**  
 University of Engineering and Technology, Lahore, Pakistan  
 Landline: 042-99029245 & 042-99029202      Mobile: 0307-0496895

ORIGINAL  
 A carbon copy for the report has been retained in the lab for record.

6494  
 Dr. M. Mazhar

To: Engr. Nouman Qamar  
 Resident Engineer, AZ Engineering Associates, Narowal

Project: Widening / Improvement of Road from Sialkot Cantt to Jassar Garrison Length = 69.00 KM, in District Narowal (Site- RD: 1778+00-1910+53 & Link Road 0+00-116+00)

Our Ref. No. CL/CED/ 3987

Dated: 17/1/2024

Test Specification

Your Ref. No. AZ/RE/SNR/66

Dated: 21/12/2023

( BS 3921\*\* )

## COMPRESSION TEST REPORT



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

Specimens received on: 04-01-24      Tested on: 17/1/2024      in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Machine Made Double Line	---	---	---	8.2 x 4.3 x 2.6	2875	2400	35.26	38	2414	19.79	---
2	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.7	3250	2735	36.96	40	2424	18.83	---
3	Machine Made Double Line	---	---	---	8.8 x 4.3 x 2.7	3320	2810	37.84	36	2131	18.15	---
4	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.8	3255	2725	36.96	28	1697	19.45	---
5	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.8	3245	2730	36.96	30	1818	18.86	---
6	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.8	3310	2790	36.96	38	2303	18.64	---
7	Machine Made Double Line	---	---	---	8.5 x 4 x 2.6	2970	2705	34	44	2899	9.8	---
8	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.8	3320	2775	36.96	34	2061	19.64	---
9	Machine Made Double Line	---	---	---	8.7 x 4.2 x 2.8	3245	2740	36.54	36	2207	18.43	---
10	Machine Made Double Line	---	---	---	8.9 x 4.2 x 2.8	3280	2765	37.38	34	2037	18.63	---
11	Machine Made Double Line	---	---	---	8.7 x 4.2 x 2.8	3090	2565	36.54	38	2330	20.47	---
12	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.8	3345	2795	36.96	26	1576	19.68	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* 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
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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**  
**Civil Engineering Department**  
 University of Engineering and Technology, Lahore, Pakistan  
 Landline: 042-99029245 & 042-99029202      Mobile: 0307-0496895

ORIGINAL  
 A carbon copy for the report has been retained in the lab for record.

6544  
 Dr. M. Mazhar

To: Mr. Saeed Ahmad  
 ARE, PCP Package-V, Khanewal

Project: Punjab Cities Program- Widening / Raising and Improvement of Existing 2 Roads Including Installation of Street Lights in Khanewal City.

Our Ref. No. CL/CED/ 3988

Dated: 17/1/2024

Test Specification

Your Ref. No. PCP/KW-87/2024

Dated: 15/01/2024

( BS 6717 )

## COMPRESSION TEST REPORT



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

Specimens received on: 16/1/2024    Tested on: 17/1/2024    in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3675	29.64	109	8238	---	9721
2	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3760	29.64	101	7633	---	9007
3	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3740	29.64	97	7331	---	8651
4	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3690	29.64	115	8691	---	10255
5	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3710	29.64	83	6273	---	7402
6	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3670	29.64	113	8540	---	10077
7	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3660	29.64	93	7028	---	8293
8	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3630	29.64	97	7331	---	8651
9	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3715	29.64	103	7784	---	9185
10	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3730	29.64	93	7028	---	8293
11	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3670	29.64	101	7633	---	9007
12	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3640	29.64	105	7935	---	9363
13	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3650	29.64	97	7331	---	8651
14	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3760	29.64	95	7179	---	8471
15	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3680	29.64	101	7633	---	9007
16	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3670	29.64	93	7028	---	8293

Witnessed by: Mr. Shahbaz Ali, Mr. Waseem Ahmed, Mr. Muhammad Amjad Iqbal, Mr. Zubair Hassan, Mr. Ubaid Ullah

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- \* 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