

**Civil Engineering Department** 

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

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/Cl	ED/ 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



Specim	ens received on:	1	6-01	-24	Tested on:	17-0	)1-24	in dry/we	t condition		Ü	jčenski
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (%)	
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	NHNE	2800	29.64	88	6650		
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7			1			OF THY GRO WHO OREATES	ر <del>بک</del> اند کی خلق ر	I FCH				
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Witness	ed by:											
Results o	esults can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/											

Results can also be seen on website <u>https://civil.uet.edu</u> 1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



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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 Sheikhupura.

Our Ref. No. CL/C	ED/ 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:		on:	1	16-01-24		Tested on:		16-0	)1-24	in dry/wet condition				
Sr. No.	Mark*		Cas DD	ting	Date* YYYY	Size (in)		Wet Weight (Ka/ ams)	Dry Weight (Ka/ ams)	Area of X-Section (Sg. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Lab No.01 Psi)	(4350	16	12	2023	6x6x6			8.2	36	107	6658		Non Engraved
2	Lab No.01 Psi)	(4350	16	12	2023	6x6x6			8.4	36	74	4604		Non Engraved
3	Lab No.01 Psi)	(4350	16	12	2023	6x6x6			8.6	36	107	6658		Non Engraved
4	Lab No.04 Psi)	(4350	17	12	2023	6x6x6			8.2	36	97	6036		Non Engraved
5	Lab No.04 Psi)	(4350	17	12	2023	6x6x6		WHINE	8.2	36	94	5849		Non Engraved
6	Lab No.04 Psi)	(4350	17	12	2023	6x6x6	2	READ N	8.8	36	114	7093		Non Engraved
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#### Witnessed by:

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

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> 6362 Dr. Aqsa

(Mr. M. Arif Sahi)											
Project Manager / Team Leader, BARQAAB Consulting Services Pvt. Ltd.											
Project: Contract Station and Asso	No. WB-05A-2019, Design, Supply and Ir ciated 500kV D/C OHTL.	nstallation of 500/220kV N	lowshehra HVAC Gr	id							
Our Ref. No. CL/C	ED/ 3976	Dated:	17-01-24	Test Specification							
Your Ref. No.	WB-05A/BQB/NTDC/0818	Dated:	10-12-23	( BS 3921** )							

## **COMPRESSION TEST REPORT**



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

Specimo	ens received on:	1	1-12	-23	Tested on:	10-0	01-24	in dry/wet	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	ΥΥΥΥ	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
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	
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Witness	ed by:											

#### witnessea by:

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## Plain and Reinforced Concrete Laboratory Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan

Landline: 042-99029245 & 042-99029202

Mobile: 0307-0496895



6555 Dr. Asad Gillani

Test Specification (BS 1881-116)

Mr. M. Usman Rauf Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd.										
Project: Restoration of Road Cuts for Laying of Sui Gas Pi Lahore. (MCL Projects)	pe Line of Arshad Moha	llah Shahdara Town,								
Our Ref. No. CL/CED/ 3977	Dated:	17-01-24								
Your Ref. No. 4084/103/MUR/104/1119	Dated:	04-01-24								

## **COMPRESSION TEST REPORT**



Specim	ens received on:	1	7-01	-24	Tested on:	17-0	)1-24	in dry/wet	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas	ting	Date* YYYY	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Ka/ ams)	Area of X-Section (Sg. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
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
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#### Witnessed by: Nil

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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 Johar Town, Lah	s, Engineers & Builders ore.									
	Project: Sapphire Textile Mills, Extension of Washing Area Located at Designtex (SMC) Pvt Ltd. Bhuptian 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

Specim	ens received on:	1	7-01	-24	Tested on:	17-0	)1-24	in dry/wet	condition		C	o crasses
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
	DCC Caluma	סט		TTTT	(in)	(Kg/gms)	(Kg/ gms)	(Sq. in)	(Imp. I ons)	(psi)	. ,	
1	(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
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#### witnessea by:

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6554 Dr. Asad Gillani

To:	S & S Associates Johar Town, Lah	s, Engineers & Builders ore.									
	Project: Sapphire Textile Mills, Extension of Washing Area Located at Designtex (SMC) Pvt Ltd. Bhuptian 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

Specimo	ens received on:	1	7-01	-24	Tested on:	17-0	)1-24	in dry/we	condition		E	i Cranta di
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (76)	
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
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#### witnessed by:

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# Plain and Reinforced Concrete Laboratory

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

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6530 Dr. M. Mazhar

S & S Associates Johar Town, Laho	re.		
Project: Sapphire Chowk, Lahore.	Textile Mills, Extension of Washing Area Located	at Designtex (S	MC) Pvt Ltd. Bhuptian
Our Ref. No. CL/C	ED/ 3980	Dated:	17/1/2024
Your Ref. No.	SMC (W-A # 24)/018	Dated:	12-01-24

## COMPRESSION TEST REPORT



Test Specification (BS 1881-116)

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

Specimo	ens received on:	1	2-01	-24	Tested on:	17/1	/2024	in dry/we	t condition		0	o cratheoir
Sr. No.	Mark*	Cas	sting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (70)	
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
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4												
5						<b>NHNE</b>	RING .					
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Supervisor (Lab)



**Civil Engineering Department** 

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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, Impr	ovement and Construction of	Chowks in Kamalia C	ity, MC
Kamalia. (Contractor: M/s Subhan Construction Cor	npany)		-
Our Ref. No. CL/CED/ 3981	Dated:	17/1/2024	Test Specification
Your Ref. No. 488-J01-102-03-01-CS-22	Dated:	08-01-24	( )

Your Ref. No. 488-J01-102-03-01-CS-22

## COMPRESSION TEST REPORT



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

Specim	ens received on:	0	8-01	-24	Tested on:	16-0	)1-24	in dry/wet condition				jester
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
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	NHNE	4980	37.44	131	7838		
6					🔪	READ IN	2071	<b>_</b>				
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Witness	sed by: Ghulam Mu	rtaza	a, PO	(ID)-P	MDFC; Umer F	arooq, Des	sign Engr. 、	JERS Cons	sultancy; Sa	adat Wale	ed, CRE J	IERS Consultanc

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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, Construction of SWM Parking Area in MC Hafizabad. (Contractor: M/s Imran Sharif Constructor) Our Ref. No. CL/CED/ 3982 Dated: 17/1/2024 Dated: 08-01-24

Your Ref. No. 488-J01-102-08-04/CS/03

## COMPRESSION TEST REPORT



**Test Specification** 

(----)

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

Specim	ens received on:	0	8-01	-24	Tested on:	16-0	)1-24	in dry/we	t condition			jester
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	0.1 (70)	
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	NUT	4760	36.99	128	7751		
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7						OF THY USARD WHO CREATES	زیجب اندکی خلق ر	£2				
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|Witnessed by: Ghulam Murtaza, PO (ID)-PMDFC; Umer Farooq, Design Engr. JERS Consultancy; Sadat Waleed, CRE JERS Consultanc

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

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> 6504 Dr. M.Yousaf

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

Specime	ens received on:	0	8-01	-24	Tested on:	16-0	)1-24	in dry/wet	t condition		Ö	jester
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight (Ka/ ams)	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
1	Uni-Block, Grey,				3.1 thick	(rtg/ giiis) 	(Rg/ gms) 4455	36.99	116	7025		
2	Uni-Block, Grey,				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	N BINE	4240	36.99	87	5268		
6						READ N	207					
7						OF THY -CORD WHO OREATES	ریجے۔ اندکی خلق ر	ECH				
8					- 8°8-			S-				
9						200		₹				
10						/ A	IDRL.					
11												
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16												

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

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

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**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 o		Tested on:	17/1/2024		in dry/wet condition			Ĺ	jester
Sr. No.	Mark*	Cas	ting MM	Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kq/ qms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
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	NHNE	3760	41.92	176	9405		
6	I-Section, Grey, 60 mm				2.4 thick	READ N	3950	41.92	180	9618		
7						OF THY 	ز <u>ع</u> ۔ اندکی خلق ر	£2				
8								5				
9							1	≥∕				
10							IDRL.					
11												
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16												

#### Witnessed by:

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

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

### **Director/Dy. Director Concrete Laboratory**



**Civil Engineering Department** 

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

6547 Dr. M. Mazhar

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

Specimens received on: 16/1/2024 Tested on:

Project: Nil			
Our Ref. No. CL/CED/ 3985	Dated:	17/1/2024	Test Specification
Your Ref. No. Nil	Dated:	15/1/2024	( )

17/1/2024

in dry/wet condition

## **COMPRESSION TEST REPORT**

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



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Sr. No.	Mark*	Cas	sting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
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						WHINE	RIA S					
6					-	READIN						
7						OF THY USARD WHO CREATES	ز <u>ع</u> ے۔ اندنی خلق ر					
8					1							
9					>	20-		2				
10					<		IORE					
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16												
Witness	sed by:											

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

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**Civil Engineering Department** 

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

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

Specim	ens received on:	0	4-01	-24	Tested on:	17/1	/2024	in dry/wet	t condition			17208-90
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
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 WHO OREATES	2615	36.54	32	1962	20.84	
8	Machine Made Double Line				8.7 x 4. <mark>2 x 2.8</mark>	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												
Witness	ad by:											

#### witnessea by:

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

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)



**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

Specime	ens received on:	0	4-01	-24	Tested on:	17/1	/2024	in dry/wet	condition			je ske p
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	ΥΥΥΥ	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
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				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 MHC	2705	34	44	2899	9.8	
8	Machine Made Double Line				8.8 x 4. <mark>2 x 2.8</mark>	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												
Witness	ed by:											

#### ninesseu by

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

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)



# Plain and Reinforced Concrete Laboratory

**Civil Engineering Department** 

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



6544 Dr. M. Mazhar

Test Specification (BS 6717)

Mr. Saeed Ahmad ARE, PCP Package-V, Khanewal		
Project: Punjab Cities Program- Widening / Raising an Installation of Street Lights in Khanewal City.	d Improvement of Existing	2 Roads Including
Our Ref. No. CL/CED/ 3988	Dated:	17/1/2024
Your Ref. No. PCP/KW-87/2024	Dated:	15/01/2024

## **COMPRESSION TEST REPORT**



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

Specimens received on:		16/1/2024		024	Tested on:	17/1/2024		in dry/wet condition			<b></b>	
Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
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	-		1	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	NHINE	3710	29.64	83	6273		7402
6	Rectangular, Grey, 80mm				7.8 x 3.8 x 3.2	READ IN	3670	29.64	113	8540		10077
7	Rectangular, Grey, 80mm	-		-	7.8 x 3.8 x 3.2	OF THY GRO WHO OREATES	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	-		1	7.8 x 3.8 x 3.2		3640	29.64	105	7935		9363
13	Rectangular, Red, 80mm	-		1	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
Witness	ed by: Mr. Shahba	z Ali,	Mr.	Wase	em Ahmed, Mr.	Muhamma	d Amjad Iq	bal, Mr. Zu	ubair Hassa	n, Mr. Ub	aid Ullah	

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

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.