

University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Mr. Abdul Waheed

415 Dr. Umbreen

Petrocon (Pvt.) Ltd. Lahore

Project: (P-301) Euro Oil Terminal Extinsion Sahiwal, "PMG Tank Ring Wall" (3002-CIV-DT-002)

Our Ref. No. CL/CED/	1656	Dated:	14-01-21
Your Ref. No.	Nil	Dated:	05-01-21

COMPRESSION TEST REPORT

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

Specimens received on:

11-01-21 Tested on:

13-01-21 in dry/wet condition

	1								1
	Ca	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Mark*	M	/et W	eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
		(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
3000 Psi	29	12	2020	6Diax12	14	28.28	63	4990	Non Engraved
3000 Psi	29	12	2020	6Diax12	14.2	28.28	73	5790	Non Engraved
3000 Psi	29	12	2020	6Diax12	14	28.28	67	5310	Non Engraved
	3000 Psi 3000 Psi	Mark* /W 3000 Psi 29 3000 Psi 29	Mark* /Wet W (gm 3000 Psi 29 12 3000 Psi 29 12	3000 Psi 29 12 2020 3000 Psi 29 12 2020	Mark* /Wet Weight (in) (gms) (gms) 3000 Psi 29 12 2020 6Diax12 3000 Psi 29 12 2020 6Diax12	Mark* /Wet Weight (gms) (in) (lbs./gms) 3000 Psi 29 12 2020 6Diax12 14 3000 Psi 29 12 2020 6Diax12 14.2	Mark* /Wet Weight (in) (lbs./gms) X-Section (Sq. in) 3000 Psi 29 12 2020 6Diax12 14 28.28 3000 Psi 29 12 2020 6Diax12 14.2 28.28	Mark* /// Wet Weight (in) (lbs./gms) X- Section (Sq. in) load 3000 Psi 29 12 2020 6Diax12 14 28.28 63 3000 Psi 29 12 2020 6Diax12 14.2 28.28 73	Mark* /// Wet Weight (in) (lbs./gms) X- Section (Sq. in) load Stress 3000 Psi 29 12 2020 6Diax12 14 28.28 63 4990 3000 Psi 29 12 2020 6Diax12 14.2 28.28 73 5790

Results can also be seen on website <u>http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6</u>

* 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"diax12" cylinder) strength at 28 days as comprensive 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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Hassan Khan Sherwani(Provincial Construction Supervision Manager) Humqadam SCRP((M/S Oriential Quality Engineers) Project: Humgadam - School Construction and Rehabilitation Program

450 Engr. Ubaid

Project: Humqadam - School Construction and Rehabilitation Programme (GPS Tej Gath & CDGHS Engine Shed)

Our Ref. No. CL/CED/	1657	Dated:	14-01-21
Your Ref. No.	IMC-LHR -SCRP-2020/ Material Testing/LHR-4	Dated:	08-01-21

COMPRESSION TEST REPORT

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

Spec	imens received on:	1	13-01-2 ⁻	1	Tested on	:	14-01-21	in dry/wet c	ondition	
<u> </u>			sting Da		Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	M	/et Weig	ght	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0,			(gms)				(Sq. in)	(Tons/lbs)	(Psi)	
1		31	12	20	6Diax12	13	28.28	46	3650	Non Engraved
2		31	12	20	6Diax12	13.4	28.28	49	3890	Non Engraved
3		31	12	20	6Diax12	13	28.28	49	3890	Non Engraved
4										
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Results can also be seen on website <u>http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6</u>

* as engraved on the specimens (if any)

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

**** 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

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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Sub Divisional Officer

416

Dr. Umbreen

Buildings Construction Sub Division No.2, Lahore Project: Construction of Boundary Wall Proper Sewerage System at Emergency Services Station and Civil **Defance Colony Thokar Niaz Baig Lahore**

Our Ref. No. CL/CED/	1658	Dated:	14-01-21
Your Ref. No.	2643/2nd	Dated:	22-12-20

COMPRESSION TEST REPORT

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

Specimens received on:

11-01-21 Tested on:

13-01-21 in dry/wet condition

ġ		Casting Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/Wet Weight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0)		(gms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Rectangular Grey		7.7x3.8x2.3	2276	29.26	65	4980	
2	Rectangular Grey		7.7x3.8x2.3	2312	29.26	130	9960	
3	Rectangular Grey		7.7x3.8x2.3	2221	29.26	57	4370	
4	Rectangular Grey		7.7x3.8x2.3	2226	29.26	49	3760	
5	Rectangular Grey		7.7x3.8x2.3	2311	29.26	61	4670	
6	Rectangular Grey		7.7x3.8x2.3	2327	29.26	59	4520	
7	Rectangular Grey		7.7x3.8x2.3	2242	29.26	47	3600	
8	Rectangular Grey		7.7x3.8x2.3	2658	29.26	83	6360	
9	Rectangular Red		7.7x3.8x2.3	2384	29.26	57	4370	
10	Rectangular Red		7.7x3.8x2.3	2243	29.26	53	4060	
11	Rectangular Red		7.7x3.8x2.3	2394	29.26	47	3600	
12	Rectangular Red		7.7x3.8x2.3	2510	29.26	61	4670	
13	Rectangular Red		7.7x3.8x2.3	2561	29.26	94	7200	
14	Rectangular Red		7.7x3.8x2.3	2451	29.26	51	3910	
15	Rectangular Red		7.7x3.8x2.3	2489	29.26	49	3760	
16	Rectangular Red		7.7x3.8x2.3	2340	29.26	45	3450	

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"diax12" cylinder) strength at 28 days as comprensive 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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Mr. Khalid Bashir

421 Dr Umbreen

Ittefaq Building Solutions (Pvt.) Ltd. Lahore Project: Raft of McDonalds Restaurant DHA-Rahber, Lahore						
Our Ref. No. CL/CED/	1659	Dated:	14-01-21			

		2 0.10 0.1	
Your Ref. No.	IBS/MSDR/CT01	Dated:	11-01-21

COMPRESSION TEST REPORT

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

Specimens received on:

11-01-21 Tested on:

13-01-21 in dry/wet condition

		<u> </u>				<u> </u>]
_		Ca	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	M	/et W	/eight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
Sr			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	3000 Psi	29	12	2020	6Diax12	14	28.28	83	6580	Non Engraved
2	3000 Psi	29	12	2020	6Diax12	13.8	28.28	63	4990	Non Engraved
3										
4										
5										
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8										
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13										
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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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Mr. Khalid Bashir

421 Dr. Umbreen

Ittefaq Building Solution Project: Columns of McI	. ,		r, Lahore
Our Ref. No. CL/CED/	1660	Dated:	14-01-21

Your Ref. No.	IBS/MSDR/CT02	Dated:	11-01-21

COMPRESSION TEST REPORT

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

Specimens received on:

11-01-21 Tested on:

13-01-21 in dry/wet condition

lo.				ng Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	Λ	Net	Weight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0,			(g	ms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	4000 Psi	6	1	2021	6Diax12	13.8	28.28	43	3410	Non Engraved
2	4000 Psi	6	1	2021	6Diax12	14	28.28	54	4280	Non Engraved
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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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Flight Lieutenant Adal Imtiaz (Assistant Director) Fazaia Housing Scheme Phase-II Sharif City Road, Lahore

424 Dr. Umbreen

Project: Central Mosque at Fazaia Housing Scheme Phase-II, Lahore

Our Ref. No. CL/CED/	1661	Dated:	14-01-21
Your Ref. No.	FHSL-II/5811/1/Org(CA-12)	Dated:	06-01-21

Tested on:

COMPRESSION TEST REPORT

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

Specimens received on:

11-01-21

13-01-

13-01-21 in dry/wet condition

		1								
		Ca	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	///	/et W	eight/	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Plinth Beam (PB-1) Class-B	19	12	2020	6Diax12	13	28.28	71	5630	Engraved
2	Plinth Beam (PB-1) Class-B	19	12	2020	6Diax12	13.4	28.28	79	6260	Engraved
3	Plinth Beam (PB-2) Class-B	21	12	2020	6Diax12	13.8	28.28	43	3410	Engraved
4	Plinth Beam (PB-2) Class-B	21	12	2020	6Diax12	13.6	28.28	57	4520	Engraved
5										
6										
7										
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11										
12										
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14										
15										
16										

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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Flight Lieutenant Adal Imtiaz (Assistant Director) Fazaia Housing Scheme Phase-II Sharif City Road, Lahore

Project: Central Mosque at Fazaia Housing Scheme Phase-II, Lahore

Our Ref. No. CL/CED/	1662	Dated:	14-01-21
Your Ref. No.	FHSL-II/5811/1/Org(CA-12)	Dated:	30-12-20

Tested on:

COMPRESSION TEST REPORT

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

Specimens received on:

11-01-21

13-01-21 in dry/wet condition

		6	otina	Doto*	Size	Woight	Area of	Ultimate	Ultimate	
O		Casting Date*				Weight	X-	Ulimale		
Sr. No.	Mark*	M	Vet W	/eight	(in)	(lbs./gms)	Section	load	Stress	Remarks
			(gm	is)			(Sq. in)	(Tons/lbs)	(Psi)	
1	RCC Wall above G.L (Class-A)	15	12	2020	6Diax12	13.2	28.28	67	5310	Engraved
2	RCC Wall above G.L (Class-A)	15	12	2020	6Diax12	13.4	28.28	65	5150	Engraved
3										
4										
5										
6										
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13				_						
14										
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16										

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

424 Dr Umbreen



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Mr. Muhammad Aslam (Manager C, R & M)

427 Dr. Umbreen

Allied Bank Limited, Engineering Cell, South-II, Multan

Project: Construction of Industrial Area Rahim Yar Khan (0333)

Our Ref. No. CL/CED	/ 1663	Dated:	14-01-21
Your Ref. No.	GHQ/S2/CRM/MA/2020/486	Dated:	24-12-20

Tested on:

COMPRESSION TEST REPORT

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

Specimens received on:

11-01-21

13-01-21 in dry/wet condition

		C2	stina	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*		-	/eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
S			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	2nd Floor Slab	19	11	2020	6Diax12	13.8	28.28	37	2940	Engraved
2	2nd Floor Slab	19	11	2020	6Diax12	13.2	28.28	43	3410	Engraved
3	2nd Floor Slab	19	11	2020	6Diax12	13.6	28.28	45	3570	Engraved
4	2nd Floor Column	2	11	2020	6Diax12	13	28.28	39	3090	Engraved
5	2nd Floor Column	2	11	2020	6Diax12	13.2	28.28	33	2620	Engraved
6	2nd Floor Column	2	11	2020	6Diax12	13.4	28.28	39	3090	Engraved
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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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Hafiz Ozair Ahmad (Deputy Director QCD)

431 Dr. Umbreen

WASA, LDA, Lahore (M/s Stallion Constructions Pvt. Ltd.) Project: Tender No. P&S/25.01/6183 Replacement of Outlived Trunk Sewer From Sadiq Chowk to Muslim Chowk Near C-II Disposal Station UC-236 in Green Town Sub Division Wasa, Lda, Lhr.

Our Ref. No. CL/CED/	1664	Dated:	14-01-21
Your Ref. No.	QCD/97-99	Dated:	11-01-21

Tested on:

COMPRESSION TEST REPORT

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

Specimens received on:

11-01-21

13-01-21 in dry/wet condition

		С	asting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	Λ	Wet W	eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
0,			(gm:	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1		3	12	2020	6Diax12	14	28.28	75	5950	Non Engraved
2		3	12	2020	6Diax12	14	28.28	73	5790	Non Engraved
3		3	12	2020	6Diax12	14	28.28	69	5470	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
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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"diax12" 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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Mr. Furqan UI Haq (General Manager) AYQ Developers (Pvt.) Ltd. Lahore **Project: Union Complex**

Our Ref. No. CL/CED/ 1665 Dated: 14-01-21 Your Ref No Nil Dated[.] 12-01-21

Tested on:

COMPRESSION TEST REPORT

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

Specimens received on:

12-01-21

14-01-21 in dry/wet condition

				Castin Date		sting ate*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	N		Weight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks		
			(g	ms)			(Sq. in)	(Tons/lbs)	(Psi)			
1		2	1	2021	6Diax12	14	28.28	39	3090	Engraved		
2		2	1	2021	6Diax12	13.4	28.28	34	2700	Engraved		
3		2	1	2021	6Diax12	13.8	28.28	37	2940	Engraved		
4												
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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)

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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



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Engr. Ammar Haider Shah (Project Engineer) Minhaj University, Lahore Project: Minhaj University, Lahore

Our Ref. No. CL/CED/	1666	Dated:	14-01-21
Your Ref. No.	MUL/HB/003	Dated:	11-01-21

Tested on:

COMPRESSION TEST REPORT

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

Specimens received on:

12-01-21

14-01-21 in dry/wet condition

		Casting Date*		Size	Weight	Area of	Ultimate	Ultimate		
Sr. No.	Mark*	M	/et W	eight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0)			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	RCC Columns	24	12	2020	6Diax12	14.2	28.28	81	6420	Non Engraved
2	RCC Columns	25	12	2020	6Diax12	14	28.28	81	6420	Non Engraved
3	RCC Columns	26	12	2020	6Diax12	13.4	28.28	72	5710	Non Engraved
4	RCC Columns	27	12	2020	6Diax12	14	28.28	71	5630	Non Engraved
5	RCC Slab	20	12	2020	6Diax12	14	28.28	53	4200	Non Engraved
6	RCC Slab	20	12	2020	6Diax12	14.2	28.28	51	4040	Non Engraved
7	RCC Slab	20	12	2020	6Diax12	14	28.28	45	3570	Non Engraved
8	RCC Slab	20	12	2020	6Diax12	14	28.28	56	4440	Non Engraved
9	RCC Retaining Wall	8	12	2020	6Diax12	13.8	28.28	51	4040	Engraved
10	RCC Retaining Wall	8	12	2020	6Diax12	14	28.28	57	4520	Engraved
11	RCC Retaining Wall	8	12	2020	6Diax12	14.2	28.28	59	4680	Engraved
12	RCC Retaining Wall	8	12	2020	6Diax12	14	28.28	57	4520	Engraved
13										
14										
15										
16										

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"diax12" cylinder) strength at 28 days as comprensive 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



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Engr. Kamran Khan (Resident Engineer) **Raees Faheem Associates, Lahore**

Project: Construction of Club House Building at DHA Bahawalpur (Banquet Hall)

Our Ref. No. CL/CED/	1667	Dated:	14-01-21
Your Ref. No.	RF/BQH/DHA/MT/16/20	Dated:	04-01-21

Tested on:

COMPRESSION TEST REPORT

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

Specimens received on:

12-01-21

14-01-21 in dry/wet condition

		1								
		Ca	asting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	N	/Wet Weight		(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gms)				(Sq. in)	(Tons/lbs)	(Psi)	
1	(C.R 435) 3000 Psi	8	12	2020	6Diax12	13.2	28.28	59	4680	Non Engraved
2	(C.R 435) 3000 Psi	8	12	2020	6Diax12	13.2	28.28	69	5470	Non Engraved
3	(C.R 435) 3000 Psi	8	12	2020	6Diax12	13.4	28.28	71	5630	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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"diax12" cylinder) strength at 28 days as comprensive 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



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Engr. Kamran Khan (Resident Engineer) **Raees Faheem Associates, Lahore**

Project: Construction of Club House Building at DHA Bahawalpur (Banquet Hall)

Tested on:

Our Ref. No. CL/CED/	1668	Dated:	14-01-21
Your Ref. No.	RF/BQH/DHA/MT/17/20	Dated:	04-01-21

COMPRESSION TEST REPORT

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

Specimens received on:

12-01-21

14-01-21 in dry/wet condition

440

Engr. Ubaid

		<u> </u>								
		Cas	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	Ŵ	et W	eight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
			(gms)				(Sq. in)	(Tons/lbs)	(Psi)	
1	(C.R 439) 4000 Psi	11	12	2020	6Diax12	13.4	28.28	81	6420	Non Engraved
2	(C.R 439) 4000 Psi	11	12	2020	6Diax12	13.4	28.28	85	6740	Non Engraved
3	(C.R 439) 4000 Psi	11	12	2020	6Diax12	13.8	28.28	74	5870	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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"diax12" cylinder) strength at 28 days as comprensive 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)



To: Mr. Naeem Yousaf (Resident Engineer)

Project: Construction of DHA Office Complex, DHA Bahawalpur

Nespak (Pvt.) Ltd. Lahore

Plain and Reinforced Concrete Laboratory Department of Civil Engineering

University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

Our Ref. No. CL/CED/			16	69	Dated:	14-0	01-21				
Your Ref. No.		44	401/DHA/NY/05/39 Dat		Dated:	11-0	01-21				
	С	:0	MPR	ESSIO			ORT				
Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers											
Specimens received on: 12-01-21 Tested on: 14-01-21 in dry/wet condition											
	Са	astir	ng Date*	Size	Weight	Area of	Ultimate	Ultimate			
Mark*	Λ	Net	Weight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks		
		(g	ms)			(Sq. in)	(Tons/lbs)	(Psi)			
RCC Roof Slab 1st Floor	5	1	2021	6Diax12	13.4	28.28	71	5630	Non Engraved		
RCC Roof Slab 1st Floor	5	1	2021	6Diax12	13.4	28.28	51	4040	Non Engraved		
RCC Roof Slab 1st Floor	5	1	2021	6Diax12	13.4	28.28	66	5230	Non Engraved		
	Your Ref. No. crete Cubes/Concrete imens received on: Mark* RCC Roof Slab 1st Floor RCC Roof Slab 1st Floor RCC Roof Slab 1st Floor	Cancerete Cubes/Concrete Cy imens received on: Mark* ۸ RCC Roof Slab 1st Floor 5 RCC Roof Slab 1st Floor 5 RCC Roof Slab 1st	Your Ref. No. 44 CO crete Cubes/Concrete Cylind imens received on: 12-4 Mark* /Wet Mark* /Wet RCC Roof Slab 1st Floor Slab 1st Floor 5 1 RCC Roof Slab 1st Floor 5 1	Your Ref. No. 4401/DHA/N COMPR crete Cubes/Concrete Cylinders/Bric imens received on: 12-01-21 Mark* 22-01-21 Mark* 72-01-21 Casting Date* 72-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21 U2-01-21	Your Ref. No.4401/DHA/NY/05/39COMPRESSIONcrete Cubes/Concrete Cylinders/Bricks/Cores/Tudimens received on:12-01-21Tested on:imens received on:2-01-21Tested on:Mark*(a)(b)Mark*(b)(c)RCC Roof Slab 1st Floor512021RCC Roof Slab 1st Floor51RCC Roof Slab 1st Floor5RCC Roof Slab 1st Floor	Your Ref. No. 4401/DHA/NY/05/39 Dated: COMPRESSION TESS COMPRESSION TESS crete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pave imens received on: 12-01-21 Tested on: I2-01-21 Tested on: Mark* Casting Date* Size Weight Mark* /Wet Weight (in) (lbs./gms) RCC Roof Slab 1st 5 1 2021 6Diax12 13.4 RCC Roof Slab 1st 5 1 2021 6Diax12 13.4	Your Ref. No. $4401/DHA/NY/05/39$ Dated:11-0COMPRESSION TESS REPOcrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Paversimens received on: $12-01-21$ Tested on: $14-01-21$ Mark* $Casting Date*$ SizeWeightArea of (lbs./gms)Mark* $\sqrt[3]{Wet}$ Weight(in)(lbs./gms) X - Section (Sq. in)RCC Roof Slab 1st Floor5120216Diax1213.428.28RCC Roof Slab 1st Floor5120216Diax1213.428.28	Your Ref. No. $4401/DHA/NY/05/39$ Dated: $11-01-21$ COMPRESSION TEST REPORTCompression Test Powerstrate Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Paverstimens received on: $12-01-21$ Tested on: $14-01-21$ in dry/wet colspan="4">trate ofImmens received on: $12-01-21$ Tested on: $14-01-21$ in dry/wet colspan="4">trate ofMark* \sqrt{Wet} Weight(in)(lbs./gms)Area ofUltimateMark* \sqrt{Wet} Weight(in)(lbs./gms) X^- loadRCC Roof Slab 1st5120216Diax1213.428.2871RCC Roof Slab 1st5120216Diax1213.428.2866	Your Ref. No.4401/DHA/NY/05/39Date:11-01-21COMPRESSION TESS REPORTCompression Tess Pavesterte Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Paverstimens received on:12-01-21Tested on:14-01-21in dry/wet conditionMark*Casting Date*SizeWeight (in)Area of (lbs./gms)Ultimate JoadUltimate StressMark*Casting Date*SizeWeight (in)Area of (lbs./gms)Ultimate Section (Sq. in)Ultimate (load)Ultimate StressRCC Roof Slab 1st Floor5120216Diax1213.428.28514040RCC Roof Slab 1st Floor5120216Diax1213.428.28665230		

Results can also be seen on website <u>http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6</u>

 * 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"diax12" cylinder) strength at 28 days as comprensive 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



M/s AR Engineers

Our Ref. No. CL/CED/

Your Ref. No.

To: Engr. Muhammad Nadeem (Assistant Resident Engineer)

1670

ARST-007

Plain and Reinforced Concrete Laboratory Department of Civil Engineering

University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

14-01-21

12-01-21

442

Engr. Ubaid

COMPRESSION TEST REPORT Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers										
	imens received on:	-	12-01		Tested on:	II THES/Fave	14-01-21	in dry/wet c	ondition	
Sr. No.	Mark*		-	Date* /eight is)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	BS-01	27	11	2020	6Diax12	14.2	28.28	59	4680	Non Engraved
2	BS-02	27	11	2020	6Diax12	14.2	28.28	57	4520	Non Engraved
3	BS-03	27	11	2020	6Diax12	14.4	28.28	40	3170	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Project: Construction of Jewel-1 Apartment Plaza at Gulberg-3, Lahore (Basement Slab)

Dated:

Dated:

Results can also be seen on website <u>http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6</u>

 * 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"diax12" cylinder) strength at 28 days as comprensive 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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Sub Divisional Officer

426

Dr. Umbreen

Maintenance Sub Division No.2, GOR-III, Lahore Project: Construction of Multi-Storey Flats/Suites for Officers of P&D and S&GD in GOR-III, Shadman, Lahore

Our Ref. No. CL/CED/	1671	Dated:	14-01-21
Your Ref. No.	335-Sd/ GOR-III,Lhr	Dated:	11-01-21

COMPRESSION TEST REPORT

Tested on:

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

Specimens received on:

11-01-21

13-01-21 in dry/wet condition

	Mark*	Casting Date*			Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.		/Wet Weight			(in)	(lbs./gms)	X-Section	load	Stress	Remarks
			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1		10	12	2020	6x6x6	8.8	36	108	6720	Engraved
2		10	12	2020	6x6x6	8.8	36	106	6600	Engraved
3		10	12	2020	6x6x6	9	36	112	6970	Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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"diax12" cylinder) strength at 28 days as comprensive 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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Mr. Ali Basharat (Principle Architect)

429 Dr Umbreen

Design Line Construction, Lahore Cantt. Project: Construction of House 118-B, Model Town, Lahore

Our Ref. No. CL/CED/	1672	Dated:	14-01-21
Your Ref. No.	Nil	Dated:	11-01-21

COMPRESSION TEST REPORT

Tested on:

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

Specimens received on:

11-01-21

13-01-21 in dry/wet condition

		0		Datat	0:		A		1.000	
	Mark*	Casting Date*		Size	Weight	Area of	Ultimate	Ultimate		
Sr. No.		/Wet Weight			(in)	(lbs./gms)	X- Section	load	Stress	Remarks
		(gms)					(Sq. in)	(Tons/lbs)	(Psi)	
1		29	12	2020	6x6x6	8.6	36	43	2680	Non Engraved
2		29	12	2020	6x6x6	8.8	36	43	2680	Non Engraved
3		29	12	2020	6x6x6	9	36	75	4670	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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"diax12" cylinder) strength at 28 days as comprensive 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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

> 429 Dr Umbreen

To: Mr. Ali Basharat (Principle Architect) **Design Line Construction, Lahore Cantt.**

Project: Construction of House 118-B, Model Town, Lahore

Our Ref. No. CL/CED/	1673	Dated:	14-01-21
Your Ref. No.	Nil	Dated:	11-01-21

Tested on:

COMPRESSION TEST REPORT

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

Specimens received on:

11-01-21

13-01-21 in dry/wet condition

Sr. No.	Mark*		Casting Date*		Size (in)	Weight (Ibs./gms)	Area of X- Section	Ultimate load	Ultimate Stress	Remarks
				ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1		9	12	2020	6x6x6	9	36	47	2930	Non Engraved
2		9	12	2020	6x6x6	9	36	57	3550	Non Engraved
3		9	12	2020	6x6x6	9	36	63	3920	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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"diax12" cylinder) strength at 28 days as comprensive 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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

435 Dr. Umbreen

To: Major MunazzamSajjad (Head of Administration) Imran Construction Company, Multan Project: Naubahar Bottling Company (Pvt.) Ltd. Gujranwala

Our Ref. No. CL/CED/	1674	Dated:	14-01-21
Your Ref. No.	Nil	Dated:	12-01-21

COMPRESSION TEST REPORT

Tested on:

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

Specimens received on:

12-01-21

13-01-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*		Size	Weight	Area of	Ultimate	Ultimate		
		/Wet Weight			(in)	(lbs./gms)	X- Section	load	Stress	Remarks
		(gms)					(Sq. in)	(Tons/lbs)	(Psi)	
1	Wall W-4	30	12	2020	6x6x6	8.6	36	110	6850	Non Engraved
2	Wall W-4	30	12	2020	6x6x6	8.8	36	108	6720	Non Engraved
3	Wall W-4	30	12	2020	6x6x6	9	36	112	6970	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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"diax12" cylinder) strength at 28 days as comprensive 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)



University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

To: Mr. Mohsin Zafar

436 Dr.Mazhar Saleem

Eastern Dairies (Pvt.) Ltd. Lahore Project: Eastern Dairies (Pvt.) Ltd. 2.5-K.M Raiwind Manga Road, Raiwind (Maize Silo Construction)

Our Ref. No. CL/CE	D/	1675	Dated:	14-01-21
Your Ref. No.	H:USR/C-/	A-1/EDL-P/017	Dated:	12-01-21

Tested on:

COMPRESSION TEST REPORT

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

Specimens received on:

12-01-21

13-01-21 in dry/wet condition

		<u> </u>								
Sr. No.	Mark*	Casting Date*			Size	Weight	Area of	Ultimate	Ultimate	
		/Wet Weight			(in)	(lbs./gms)	X-Section	load	Stress	Remarks
		(gms)					(Sq. in)	(Tons/lbs)	(Psi)	
1	С	13	12	2020	6x6x6	9	36	90	5600	Engraved
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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"diax12" cylinder) strength at 28 days as comprensive 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)