

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.

> 4255 Dr. Yousaf

To: Engr. Shafiq Ahmad, Resident Engineer

New Vision Engineering Consultant, Lahore. (Contractor: M/S Energy Construction)

Project: Construction of ARC Furnace Foundation, Transformer Room, Control Panel Rooms and Cooling

System in Steel Shops Mughalpura.

Our Ref. No. CL/CED/ 341

Dated: 16-11-22

Test Specification

Your Ref. No. NVEC/RE/R-way/22/30-A

Dated: 07-06-22

(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 15-11-22 Tested on: 16-11-22 in dry/wet condition





Sr. No.	Mark*	Cas		Date*	Size (in)	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	(1:1:2) 4000 Psi	9	5	2022	6Diax12		13.2	28.28	74	(psi) 5861		Non Engraved
2	(1:1:2) 4000 Psi	9	5	2022	6Diax12		13.4	28.28	66	5228		Non Engraved
3	(1:1:2) 4000 Psi	9	5	2022	6Diax12		14	28.28	68	5386		Non Engraved
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Witnessed by: Nil

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 comprerssive strength

- 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)
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Project: Construction of ARC Furnace Foundation, Transformer Room, Control Panel Rooms and Cooling

System in Steel Shops Mughalpura.

Our Ref. No. CL/CED/ 342

Dated: 16-11-22

Test Specification

Your Ref. No. NVEC/RE/R-way/22/45-A

Dated: 11-06-22

(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 15-11-22 Tested on: 16-11-22 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	(1:1:2) 4000 Psi	14	5	2022	6Diax12		13.8	28.28	59	4673		Non Engraved
2	(1:1:2) 4000 Psi	14	5	2022	6Diax12		13.4	28.28	61	4832		Non Engraved
3	(1:1:2) 4000 Psi	14	5	2022	6Diax12		13.6	28.28	51	4040		Non Engraved
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Project: Construction of ARC Furnace Foundation, Transformer Room, Control Panel Rooms and Cooling

System in Steel Shops Mughalpura.

Our Ref. No. CL/CED/ 343

Dated: 16-11-22

Test Specification

Your Ref. No. NVEC/RE/R-way/22/50-B

Dated: 09-07-22

(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 15-11-22 Tested on: 16-11-22 in dry/wet condition





Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	(1:1:2) 4000 Psi	14	6	2022	6Diax12		13.5	28.28	67	5307		Non Engraved
2	(1:1:2) 4000 Psi	14	6	2022	6Diax12		13.8	28.28	67	5307		Non Engraved
3	(1:1:2) 4000 Psi	14	6	2022	6Diax12		13.2	28.28	63	4990		Non Engraved
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System in Steel Shops Mughalpura.

Our Ref. No. CL/CED/ 344

Dated: 16-11-22

Test Specification

Your Ref. No. NVI

NVEC/RE/R-way/22/52-A

Dated: 04-08-22

(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 15-11-22 Tested on: 16-11-22 in dry/wet condition





Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	(1:1:2) 4000 Psi	6	7	2022	6Diax12		13	28.28	59	4673		Non Engraved
2	(1:1:2) 4000 Psi	6	7	2022	6Diax12		12.6	28.28	64	5069		Non Engraved
3	(1:1:2) 4000 Psi	6	7	2022	6Diax12		12.6	28.28	82	6495		Non Engraved
4												
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Witnessed by: Nil

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> 4253 Dr. Yousaf

To: Mr. Muhammad Tahir Nazeer

Deputy Manager Civil, NISHAT DENIM

Project: Construction of Nishat Mills Ltd (Denim Division), 13 km Faisalabad Road, Bhikhi Sheikhupura

(Najmi Nadeem Construction Pvt Ltd)

Our Ref. No. CL/CED/ 345

Dated: 16/11/2022

Test Specification

Your Ref. No. NDM/C-TEST/010

Dated: 15/11/2022

(BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 15/11/2022 Tested on: 16/11/2022 in dry/wet condition



C-20 (Loom Shed	DD				Weight	Weight	X-Section	load	Stress	Absorpti	Remarks
C-20 (Loom Shed		MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
Air Duct Slab)	20	10	2022	6x6x6		8.8	36	108	6720		Non Engraved
C-20 (Loom Shed Air Duct Slab)	20	10	2022	6x6x6		8.6	36	104	6471		Non Engraved
C-20 (Loom Shed Air Duct Slab)	20	10	2022	6x6x6		8.4	36	120	7467		Non Engraved
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	C-20 (Loom Shed Air Duct Slab) C-20 (Loom Shed Air Duct Slab)	20 20 20 20 20 20 20 20	C-20 (Loom Shed Air Duct Slab)	C-20 (Loom Shed Air Duct Slab) C-20 (Loom Shed Air Duct Slab)	C-20 (Loom Shed Air Duct Slab) C-20 (Loom Shed Air Duct Slab) C-20 (Loom Shed Air Duct Slab)	C-20 (Loom Shed Air Duct Slab) C-20 (Loom Shed Air Duct Slab) C-20 (Loom Shed Air Duct Slab)	C-20 (Loom Shed Air Duct Slab) C-20 (Loom Shed Air Duct Slab)	C-20 (Loom Shed Air Duct Slab)	C-20 (Loom Shed Air Duct Slab)	C-20 (Loom Shed Air Duct Slab)	C-20 (Loom Shed Air Duct Slab) 20

Witnessed by:

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> 4253 Dr. Yousaf

To: Mr. Muhammad Tahir Nazeer

Deputy Manager Civil, NISHAT DENIM

Project: Construction of Nishat Mills Ltd (Denim Division), 13 km Faisalabad Road, Bhikhi Sheikhupura

(Najmi Nadeem Construction Pvt Ltd).

Our Ref. No. CL/CED/ 346

Dated: 16/11/2022

Test Specification

Your Ref. No. NDM/C-TEST/012

Dated: 15/11/2022

(BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 15/11/2022 Tested on: 16/11/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	C-20 (L. Shed A/C Bed A-B/22-28)	21	10	2022	6x6x6		8.2	36	89	5538		Non Engraved
2	C-20 (L. Shed A/C Bed A-B/22-28)	21	10	2022	6x6x6		8	36	116	7218		Non Engraved
3	C-20 (L. Shed A/C Bed A-B/22-28)	21	10	2022	6x6x6		8.4	36	85	5289		Non Engraved
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Witness	and by											

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Dated: 16/11/2022

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Dated: 15/11/2022

(BS 1881-116)

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

Specimens received on: 15/11/2022 Tested on: 16/11/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	C-30 (Finishing Col. G. E/49. 51)	20	10	2022	6x6x6		8.8	36	89	5538		Non Engraved
2	C-30 (Finishing Col. G. E/49, 51)	20	10	2022	6x6x6		8.8	36	108	6720		Non Engraved
3	C-30 (Finishing Col. G. E/49. 51)	20	10	2022	6x6x6		8.6	36	92	5724		Non Engraved
4												
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> 4256 Dr. Yousaf

Test Specification

To: Engr. Major Zia ul Islam (R)

Our Ref. No. CL/CED/ 348

Project Director, GCC Lahore. (Overseas Construction Co. Pvt. Ltd.)

Project: Construction of Gulberg City Centre (Location: Basement-03 Slab Grid 4-2 and Line E.3)

1 Toject. Constitution of Guiberg Oity Centre (Location: Baselient-03 Stab Ond 4-2 and Line L.3)

Your Ref. No. OCC/CPD/07/68 Dated: 15/11/2022 (ASTM C39)

Dated:

16/11/2022

COMPRESSION TEST REPORT

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

Specimens received on: 15/11/2022 Tested on: 16/11/2022 in dry/wet condition



O N	8.8l.+	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of	Ultimate	Ultimate	water	Damanda
Sr. No.	Mark*					weight	weight	X-Section	load	Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	4000 Psi	8	11	2022	6Diax12		13.4	28.28	55	4356		Non Engraved
2												
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> 4256 Dr. Yousaf

To: Engr. Major Zia ul Islam (R)

Your Ref. No.

Project Director, GCC Lahore. (Overseas Construction Co. Pvt. Ltd.)

Project: Construction of Gulberg City Centre (Location: Basement-03 Column-C-23 Grid 4, Line F.2, and

Retaining Wall Grid 4,H).

Our Ref. No. CL/CED/ 349

OCC/CPD/07/67

Dated: 16/11/2022

Test Specification

Dated: 15/11/2022

(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 15/11/2022 Tested on: 16/11/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	6000 Psi	8	10	2022	6Diax12		13.2	28.28	63	4990		Engraved
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> 4256 Dr. Yousaf

Test Specification

(ASTM C39)

To: Engr. Major Zia ul Islam (R)

Our Ref. No. CL/CED/ 350

Project Director, GCC Lahore. (Overseas Construction Co. Pvt. Ltd.)

Project: Construction of Gulberg City Centre (Location: Basement-03 Column, Grid 2, 3 and 4 line E.3)

Troject. Constitution of Guiberg City Gentre (Location, Basement-03 Goldmin, Grid 2, 3 and 4 line L.3)

Your Ref. No. OCC/CPD/06/53 Dated: 15/11/2022

Dated:

16/11/2022

COMPRESSION TEST REPORT

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

Specimens received on: 15/11/2022 Tested on: 16/11/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	6000 Psi	11	10	2022	6Diax12		13.2	28.28	59	4673		Non Engraved
2	6000 Psi	11	10	2022	6Diax12		13	28.28	60	4752		Non Engraved
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- 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.



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.

> 4256 Dr. Yousaf

Test Specification

To: Engr. Major Zia ul Islam (R)

Our Ref. No. CL/CED/ 351

Project Director, GCC Lahore. (Overseas Construction Co. Pvt. Ltd.)

Project: Construction of Gulberg City Centre (Location: Raft Lift pit. Grid 3, Line E.3)

roject. Construction of Culberg Oity Centre (Location, Nait Lift pit. Ond 3, Line L.3)

Your Ref. No. OCC/CPD/07/62 Dated: 15/11/2022 (ASTM C39)

Dated:

16/11/2022

COMPRESSION TEST REPORT

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

Specimens received on: 15/11/2022 Tested on: 16/11/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	5000 Psi	1	11	2022	6Diax12		13	28.28	53	4198		Non Engraved
2	5000 Psi	1	11	2022	6Diax12		13	28.28	47	3723		Non Engraved
3												
4												
5					/	GINE	RIATE					
6						READIN	200	X				
7						DHE NAME OF THY LIGHT WHO	JE	#				
8					- 63	رشيا		8 -				
9							-					
10					(- LA	IOR'S					
11												
12												
13												
14												
15												
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 compressive strength

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



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

ORIGINAL

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> 4256 Dr. Yousaf

Test Specification

To: Engr. Major Zia ul Islam (R)

Our Ref. No. CL/CED/ 352

Project Director, GCC Lahore. (Overseas Construction Co. Pvt. Ltd.)

Project: Construction of Gulberg City Centre (Location: Raft Grid 3-4, and Line E.3)

roject. Construction of Guiberg Oity Centre (Location, Natt Circ 3-4, and Line L.S)

Your Ref. No. OCC/CPD/06/52 Dated: 15/11/2022 (ASTM C39)

Dated:

16/11/2022

COMPRESSION TEST REPORT

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

Specimens received on: 15/11/2022 Tested on: 16/11/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	5000 Psi	8	10	2022	6Diax12		14	28.28	67	5307		Non Engraved
2	5000 Psi	8	10	2022	6Diax12		14	28.28	60	4752		Non Engraved
3												
4												
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15												
16										-		

Witnessed by

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



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

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> 4256 Dr. Yousaf

Test Specification

To: Engr. Major Zia ul Islam (R)

Our Ref. No. CL/CED/ 353

Project Director, GCC Lahore. (Overseas Construction Co. Pvt. Ltd.)

Project: Construction of Gulberg City Centre (Location: Raft Grid 5-4, and Line F.2-H)

1 Toject. Construction of Guidely City Centre (2004tion. Natt City C-4, and Emer 1.2-17)

Your Ref. No. OCC/CPD/07/66 Dated: 15/11/2022 (ASTM C39)

Dated:

16/11/2022

COMPRESSION TEST REPORT

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

Specimens received on: 15/11/2022 Tested on: 16/11/2022 in dry/wet condition



Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
	DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
5000 Psi	7	11	2022	6Diax12		14	28.28	59	4673		Non Engraved
5000 Psi	7	11	2022	6Diax12		13.4	28.28	46	3644		Non Engraved
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					READIN	200	X				
					DHE NAME OF THY LIDRO WHO	- E - C - C - C - C - C - C - C - C - C					
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), <u>-</u>	-					
				<	LA	IORE					
	5000 Psi 5000 Psi	Mark* DD 5000 Psi 7 5000 Psi 7	Mark* DD MM 5000 Psi 7 11 5000 Psi 7 11	Mark* DD MM YYYY 5000 Psi 7 11 2022	Mark* DD MM YYYY (in) 5000 Psi 7 11 2022 6Diax12	Mark* Casting Date* Size Weight	Mark* Casting Date* Size Weight Weight	Mark*	Mark*	Mark* Casting Date* Size Weight Weight X-Section load Stress (Kg/ gms) (Imp.Tons) (psi) (psi) (Imp.Tons) (Imp.Tons	Mark*

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