

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.

7336 Dr. M. Yousaf

To: Mr. Muhammad Awais

Resident Engineer, Structural Engineering Division, NESPAK (Pvt) Ltd.

Project: Construction of Bridge Over River Ravi at MAL FATYANA, District Toba Tek Singh (NA-94)

Our Ref. No. CL/CED/ 5183 Dated: 01-07-24 **Test Specification** 

Your Ref. No. P3205/24/MA/03 Dated: 27-05-24

### COMPRESSION TEST REPORT

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

Specimens received on: 24-06-24 Tested on: 01-07-24 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	Kerb Stone				6x6x6		8	36	65	4044		Cut Cube
2	Kerb Stone				6x6x6		8.2	36	64	3982		Cut Cube
3	Kerb Stone				6x6x6		8	36	71	4418		Cut Cube
4						/						
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Witness	sed 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. \*\*\*\* ACl318-08 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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7352 Engr. A. Rehman

To: Mr. Muhammad Atif Khalil

Project Manager (BMC), Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Construction of Burj-1 by Ajwa Builders. (Main Building 3rd Floor Zone-01). (Column # 07 Nos. Grids

# B'/2a,5,6,E/3,F/6,G/4,6)

Our Ref. No. CL/CED/ 5184 Dated: 01-07-24 <u>Test Specification</u>

Your Ref. No. DOC-BMC/AJWA/166 Dated: 26-06-24 (ASTM C39)

### **COMPRESSION TEST REPORT**

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

Specimens received on: 26-06-24 Tested on: 01-07-24 in dry/wet condition





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 (%)	
(6000 Psi)	30	5	2024	6Diax12		14	28.28	79	6257		Non Engraved
(6000 Psi)	30	5	2024	6Diax12		15	28.28	89	7050		Non Engraved
(6000 Psi)	30	5	2024	6Diax12		14	28.28	85	6733	1	Non Engraved
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	(6000 Psi) (6000 Psi) (6000 Psi)	Mark* DD (6000 Psi) 30 (6000 Psi) 30 (6000 Psi) 30	Mark*  DD MM  (6000 Psi) 30 5  (6000 Psi) 30 5  (6000 Psi) 30 5	DD MM YYYY	Mark* DD MM YYYY (in)  (6000 Psi) 30 5 2024 6Diax12  (6000 Psi) 30 5 2024 6Diax12  (6000 Psi) 30 5 2024 6Diax12	Mark*   Casting Date*   Size   Weight	Mark*   DD   MM   YYYY   (in)   (Kg/ gms)   (Kg/ gms)	Mark*	Mark*	Mark*   Casting Date*   Size   Weight   Weight   X-Section   load   Stress   (fpsi)   (fg/gms)   (f	Mark*

Witnessed by: Nil

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

- 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

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7352 Dr. M. Yousaf

To: Mr. Muhammad Atif Khalil

Project Manager (BMC), Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Construction of Burj-1 by Ajwa Builders. (Main Building 3rd Floor Zone-01 & 2). (Column # 08 Nos.

Grids # B'/3,C,D/4,5,6,C/3)

Our Ref. No. CL/CED/ 5185 Dated: 01-07-24 <u>Test Specification</u>

Your Ref. No. DOC-BMC/AJWA/164 Dated: 26-06-24 (ASTM C39)

### **COMPRESSION TEST REPORT**

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

Specimens received on: 26-06-24 Tested on: 01-07-24 in dry/wet condition





Mark*	Cas	ting	Date*	Size	Wet Weight		Area of X-Section		Ultimate Stress	Absorpti	Remarks
	DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
(6000 Psi)	24	5	2024	6Diax12		13.4	28.28	120	9505		Non Engraved
(6000 Psi)	24	5	2024	6Diax12		14.2	28.28	89	7050		Non Engraved
(6000 Psi)	24	5	2024	6Diax12		14.2	28.28	133	10535		Non Engraved
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	(6000 Psi) (6000 Psi) (6000 Psi)	DD   (6000 Psi)   24   (6000 Psi)   24   (6000 Psi)   24	DD MM	DD MM YYYY	DD MM YYYY	DD MM YYYY	DD MM YYYY	DD MM YYYY	DD MM YYYY	DD MM YYYY	DD MM YYYY

Witnessed by: Nil

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

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7352 Dr. M. Yousaf

To: Mr. Muhammad Atif Khalil

Project Manager (BMC), Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Construction of Burj-1 by Ajwa Builders. (Main Building 3rd Floor Zone-01). (Column # 03 Nos. Grids

# D/3,F/3,G/3)

Our Ref. No. CL/CED/ 5186 Dated: 01-07-24 <u>Test Specification</u>

Your Ref. No. DOC-BMC/AJWA/165 Dated: 26-06-24 (ASTM C39)

#### **COMPRESSION TEST REPORT**

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

Specimens received on: 26-06-24 Tested on: 01-07-24 in dry/wet condition





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 (%)	
(6000 Psi)	29	5	2024	6Diax12		14.2	28.28	104	8238		Non Engraved
(6000 Psi)	29	5	2024	6Diax12		13.8	28.28	116	9188		Non Engraved
(6000 Psi)	29	5	2024	6Diax12		14	28.28	83	6574		Non Engraved
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Witnessed by: Nil

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7344 Dr. M. Yousaf

To: Mr. Muhammad Fayyaz

**Hussain Estate & Builders** 

Project: Construction of 3.50 Kanal Residential House in Model Town Lahore.

Our Ref. No. CL/CED/ 5187 Dated: 01-07-24 <u>Test Specification</u>

Your Ref. No. Nil Dated: 25-06-24 (ASTM C39)

### **COMPRESSION TEST REPORT**

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

Specimens received on: 25-06-24 Tested on: 01-07-24 in dry/wet condition





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 (%)	
Basement Slab	14	6	2024	6Diax12		14.4	28.28	66	5228		Non Engraved
Basement Slab	14	6	2024	6Diax12		14	28.28	52	4119		Non Engraved
Basement Slab	14	6	2024	6Diax12		14	28.28	53	4198		Non Engraved
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					-14	IORE.					
	Basement Slab Basement Slab  Basement Slab	Mark* DD  Basement Slab 14  Basement Slab 14  Basement Slab 14	Mark* DD MM  Basement Slab 14 6  Basement Slab 14 6  Basement Slab 14 6	Basement Slab 14 6 2024  Basement Slab 14 6 2024  Basement Slab 14 6 2024	Mark* DD MM YYYY (in)  Basement Slab 14 6 2024 6Diax12  Basement Slab 14 6 2024 6Diax12  Basement Slab 14 6 2024 6Diax12	Mark*    DD   MM   YYYY   (in)   (Kg/gms)	Mark*         Casting Date*         Size         Weight         Weight           DD MM YYYY         (in)         (Kg/ gms)         (Kg/ gms)           Basement Slab         14         6         2024         6Diax12          14           Basement Slab         14         6         2024         6Diax12          14	Mark*	Mark*   Casting Date*   Size   Weight   Weight   Weight   X-Section   load   (Kg/ gms)   (Kg/ gms)   (Kg/ gms)   (Sq. in)   (Imp.Tons)	Mark*         Casting Date*         Size         Weight (Kg/gms)         X-Section (Sq. in)         load (Imp.Tons)         Stress (psi)           Basement Slab         14         6         2024         6Diax12          14.4         28.28         66         5228           Basement Slab         14         6         2024         6Diax12          14         28.28         52         4119           Basement Slab         14         6         2024         6Diax12          14         28.28         53         4198 <td< td=""><td>Mark*</td></td<>	Mark*

Witnessed by: Nil

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

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> 7342 Dr. M.Yousaf

To: DEPUTY MANAGER CIVIL

CONST DIVISION GSC LESCO LAHORE.

Project: Survey, Design, Manufac. Procur. Supply, Laying, Installation, Testing & Commis. of 132KV Double

Circuit Single Core 1000 mm sq. Underground Copper Cable for Orange Line Metro Train Project.

Our Ref. No. CL/CED/ 5188 Dated: 01-07-24

Your Ref. No. DM/CIVIL/GSC/LESCO/2956-59 Dated: 02-05-24

# COMPRESSION TEST REPORT

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

Specimens received on: 25-06-24 Tested on: 01-07-24 in dry/wet condition



**Test Specification** 

(BS 1881-116)



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti	Remarks
		DD	мм	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	(1:1.5:3) Pile #1	29	4	2024	6x6x6		8.4	36	118	7342		Non Engraved
2	(1:1.5:3) Pile #1	29	4	2024	6x6x6		8.4	36	106	6596		Non Engraved
3	(1:1.5:3) Pile #1	29	4	2024	6x6x6		9	36	145	9022		Non Engraved
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Witnessed by: Nil

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Project: Survey, Design, Manufac. Procur. Supply, Laying, Installation, Testing & Commis. of 132KV Double

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Our Ref. No. CL/CED/ 5188 Dated: 01-07-24

Your Ref. No. DM/CIVIL/GSC/LESCO/2956-59 Dated: 02-05-24

Test Specification

(BS 1881-116)

#### **COMPRESSION TEST REPORT**

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

Specimens received on: 25-06-24 Tested on: 01-07-24 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	(1:1.5:3) Pile #2	1	5	2024	6x6x6		9	36	114	7093		Non Engraved
2	(1:1.5:3) Pile #2	1	5	2024	6x6x6		8.6	36	104	6471		Non Engraved
3	(1:1.5:3) Pile #2	1	5	2024	6x6x6		8.8	36	112	6969		Non Engraved
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Witnessed by: Nil

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- 3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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7346 Dr. M. Yousaf

To: Mr. Sarfraz Rasheed

Executive Director Projects, Ittefaq Building Solutions (Pvt) Ltd.

Project: Sazgar Engineering Works, Raiwind Road, Lahore

Our Ref. No. CL/CED/ 5190 Dated: 01-07-24 <u>Test Specification</u>

Your Ref. No. Nil Dated: 14-06-24

#### **COMPRESSION TEST REPORT**

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

Specimens received on: 25-06-24 Tested on: 01-07-24 in dry/wet condition





Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Rectangular, Grey, 60mm (A)				7.8 x 3.8 x 2.4		2680	29.64	88	6650		
2	Rectangular, Grey, 60mm (B)				7.8 x 3.8 x 2.4		2660	29.64	110	8313		
3	Rectangular, Grey, 60mm (C)				7.8 x 3.8 x 2.4		2660	29.64	108	8162		
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#### Witnessed by:

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