



DEPARTMENT OF CIVIL ENGINEERING

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CONCRETE LABORATORY



BRTC No. : 1103-60693/CE /25-26/; Dt: 7/9/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/ALM; Dt: 7/9/2025

Project : ALM Rosemary, 4500 psi, P-18, Hossain Housing Society, Shamoly, Dhaka.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : Column

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]**

Date of Test : 8/9/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Type of Fracture* (Mode of Failure)
			(sq. in)	(lb)	(psi)		
1	7/8/2025	ALM 4500	12.17	77,970	6,407	6490 psi	Type 5 (Combined **)
2	(32 days test)	ALM 4500	12.17	80,260	6,595	(44.7 MPa)	Type 5 (Combined **)
3		ALM 4500	12.05	77,970	6,471	(456 kg/cm ²)	Type 1 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone

Type 4: Diagonal cracks

Type 2: Well-formed cone with vertical crack

Type 5: Side fractures at top or bottom

Type 3: Columnar vertical cracks

Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by :

Prof. Dr. Moazzem Hossain

Test-In-Charge

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh

Test Performed by :

10/09/2025

Md. Amin Al Noor

Assistant Professor

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)



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CONCRETE LABORATORY



BRTC No. : 1103-55460/CE /24-25/; Dt: 25/6/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/ALM; Dt: 25/6/2025

Project : ALM Amaranthus, 3500 psi, P: 16, R: 6, S: 3, Uttara, Dhaka.

Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : GF Roof

Test : Compressive Strength Test of Concrete Cylinder [ASTM C39]

Date of Test : 26/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	28/5/2025	3500 psi, ALM Amaranthus	12.80	58,887	4,601	4890 psi	Combined *
2	(29 days test)	3500 psi, ALM Amaranthus	12.55	63,468	5,057	(33.7 MPa)	Combined *
3		3500 psi, ALM Amaranthus	12.18	61,177	5,023	(344 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

01/07/2025

Dr. Annesha Enam
Associate Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



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CONCRETE LABORATORY



BRTC No. : 1103-65755/CE /25-26/; Dt: 9/11/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchalbari, Mirpur, Dhaka.

Ref. No. : CDCCL/ALM; Dt: 9/11/2025

Project : ALM Rosalind, 4000psi, P: 17-18, Hossain Housing, Shaymoli, Dhaka.

Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 1F Roof

Test : Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]

Date of Test : 10/11/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	11/10/2025	ALM 4000psi	12.67	73,906	5,833	5800 psi	Type 3 (Combined **)
2	(30 days test)	ALM 4000psi	12.30	70,712	5,749	(40 MPa)	Type 1 (Combined **)
3		ALM 4000psi	12.42	72,309	5,822	(408 kg/cm ²)	Type 5 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone

Type 2: Well-formed cone with vertical crack

Type 3: Columnar vertical cracks

Type 4: Diagonal cracks

Type 5: Side fractures at top or bottom

Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain

Test-In-Charge

Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

Dr. Munaz Ahmed Noor

Professor

Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

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12/11/2025



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CONCRETE LABORATORY

BRTC No. : 1103-56088/CE /25-26/; Dt: 2/7/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/Ambit; Dt: 2/7/2025

Project : Ambit Zakera Garden, 3500 psi, 128/2-A, North Mugdapara, Dhaka.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 7F Roof

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**

Date of Test : 3/7/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	2/6/2025	Ambit 3500	12.42	63,468	5,110	5090 psi	Combined *
2	(31 days test)	Ambit 3500	12.18	61,177	5,023	(35.1 MPa)	Combined *
3		Ambit 3500	12.80	65,758	5,137	(358 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure

Countersigned by:

Prof. Dr. Moazzem Hossain

Test-In-Charge

Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

Dr. Annesha Enam

Associate Professor

Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

08/07/2025



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CONCRETE LABORATORY

BRTC No. : 1103-57692/CE /25-26/; Dt: 28/7/2025
Sent by : Md. Abdus Sobhan, Deputy Manager (E&C), Amin Mohammad Foundation Ltd.
752, Satmasjid Road, Dhanmondi, Dhaka-1205.
Ref. No. : Letter; Dt: 28/7/2025
Project : Green Gardenia, Plot #815, Road #16/B.
Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]
[Admixture added (as per letter): Not mentioned]
Location : Building 2, 8th floor slab
Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
Date of Test : 29/7/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Mode of Failure
1	27/5/2025	Building 2, 8th floor slab	12.18	65,513	5,379	5520 psi	Combined *
2	(63 days test)	Building 2, 8th floor slab	12.18	65,295	5,361	(38.1 MPa)	Combined *
3		Building 2, 8th floor slab	12.30	71,424	5,807	(388 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

Sakib Hasnat
Lecturer
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



30/07/2025

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : **1103-54602/CE /24-25/**; Dt: **17/6/2025**
Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.
Ref. No. : CDCCL/Basic; Dt: 17/6/2025
Project : Basic Nurjahan, 3000 psi, P-2763, R-20, B-M, Bashundhara.
Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]
Location : 5F Roof
Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
Date of Test : 18/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Mode of Failure
1	13/5/2025	Basic 3000	12.18	57,337	4,708	4450 psi	Combined *
2	(36 days test)	Basic 3000	11.82	49,580	4,195	(30.7 MPa)	Combined *
3		Basic 3000	12.18	54,013	4,435	(313 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

23/06/2025

Dr. Munaz Ahmed Noor
Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-56088/CE /25-26/; Dt: 2/7/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/BFL; Dt: 2/7/2025

Project : BFL Mondar, 3500 psi, P: 24, R: 11, S: 06, Uttara.

Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 4F Slab

Test : Compressive Strength Test of Concrete Cylinder [ASTM C39]

Date of Test : 3/7/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Mode of Failure
1	2/6/2025	BFL 3500	12.06	52,905	4,387	4060 psi	Combined *
2	(31 days test)	BFL 3500	12.30	46,256	3,761	(28 MPa)	Combined *
3		BFL 3500	12.30	49,580	4,031	(285 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain

Test-In-Charge

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh

Test Performed by:

08/07/2025

Dr. Annesha Enam

Associate Professor

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



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CONCRETE LABORATORY

BRTC No. : 1103-65252/CE /25-26/; Dt: 3/11/2025
Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.
Ref. No. : CDCCL/Comprehensive; Dt: 3/11/2025
Project : Comprehensive Zenith, 3500 psi, P: 34/B, R: 100, Gulshan-2, Dhaka.
Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]
Location : 9F Roof
Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]**
Date of Test : 4/11/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Type of Fracture* (Mode of Failure)
			(sq. in)	(lb)	(psi)		
1	3/10/2025	Comprehensive 3500	12.05	62,112	5,154	4860 psi	Type 1 (Combined **)
2	(32 days test)	Comprehensive 3500	11.93	58,737	4,923	(33.5 MPa)	Type 1 (Combined **)
3		Comprehensive 3500	12.79	57,612	4,504	(342 kg/cm ²)	Type 1 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone	Type 4: Diagonal cracks
Type 2: Well-formed cone with vertical crack	Type 5: Side fractures at top or bottom
Type 3: Columnar vertical cracks	Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

Dr. Annesha Enam
Associate Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

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08/11/2025



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CONCRETE LABORATORY



BRTC No. : 1103-56088/CE /25-26/; Dt: 2/7/2025
Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.
Ref. No. : CDCCL/CPDL; Dt: 2/7/2025
Project : CPDL Husna Palladium, 3500 psi, P: 6, R: 12/A, S: 07, Uttara.
Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]
Location : 2F Roof
Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
Date of Test : 3/7/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Mode of Failure
1	4/6/2025	CPDL 3500	12.18	54,307	4,459	4720 psi	Combined *
2	(29 days test)	CPDL 3500	12.42	63,468	5,110	(32.5 MPa)	Combined *
3		CPDL 3500	12.80	58,887	4,601	(332 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

Dr. Annesha Enam
Associate Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



08/07/2025

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CONCRETE LABORATORY



BRTC No. : 1103-56807/CE /25-26/; Dt: 14/7/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/Credence; Dt: 14/7/2025

Project : Credence Springdale, 3500 psi, P-5-6, B-D, Lalmatia.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 1F Roof

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**

Date of Test : 15/7/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Mode of Failure
1	31/5/2025	Credence 3500	12.42	67,736	5,454	5700 psi	Combined *
2	(45 days test)	Credence 3500	11.70	67,736	5,789	(39.3 MPa)	Combined *
3		Credence 3500	11.94	69,986	5,861	(401 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:



16/07/2025

Dr. Md. Mafizur Rahman
Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-54740/CE /24-25/; Dt: 18/6/2025

Sent by : Engr. Azaz Ahmad, Sr. Assistant Engineer, Daffodil International University
Ashulia, Savar, Dhaka.

Ref. No. : DIU/Teachers Apartment/25; Dt: 14/6/2025

Project : Teachers Apartment Building.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Not mentioned]
[Admixture added (as per letter): Not mentioned]

Location : 12th Floor Slab Casting

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**

Date of Test : 19/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	13/5/2025	Daffodil 4000 psi	12.42	86,370	6,954	6940 psi (47.8 MPa) (488 kg/cm ²)	Combined *
2	(37 days test)	Daffodil 4000 psi	11.94	84,080	7,042		Combined *
3		Daffodil 4000 psi	12.67	86,370	6,817		Combined *

Note: Samples were received in sealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

25/06/2025

Dr. Annesha Enam
Associate Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.



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CONCRETE LABORATORY



BRTC No. : 1103-64865/CE /25-26/; Dt: 29/10/2025
 Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
 29/1, Goranchatbari, Mirpur, Dhaka.
 Ref. No. : CDCCL/Edison; Dt: 29/10/2025
 Project : Edison Nest Ember, 4000 psi, P-826, B-M, R-44/A, Bashundhara R/A.
 Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
 [Admixture added (as per letter): Not mentioned]
 Location : 4F Slab
 Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]**
 Date of Test : 30/10/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	29/9/2025	Edison 4000	12.17	73,661	6,053	5880 psi	Type 1 (Combined **)
2	(31 days test)	Edison 4000	12.54	72,537	5,784	(40.5 MPa)	Type 2 (Combined **)
3		Edison 4000	12.67	73,661	5,814	(413 kg/cm ²)	Type 1 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone

Type 4: Diagonal cracks

Type 2: Well-formed cone with vertical crack

Type 5: Side fractures at top or bottom

Type 3: Columnar vertical cracks

Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain
 Test-In-Charge
 Department of Civil Engineering
 BUET, Dhaka-1000, Bangladesh

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01/11/2025

Dr. Md. Shamsul Hoque
 Professor
 Department of Civil Engineering
 BUET, Dhaka-1000, Bangladesh



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.



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CONCRETE LABORATORY

BRTC No. : 1103-64476/CE /25-26/; Dt: 25/10/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
 29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/Edison; Dt: 25/10/2025

Project : Edison Cost EBS Azure, 3000 psi, P-1238, R-30, B-K, Bashundhara R/A.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
 [Admixture added (as per letter): Not mentioned]

Location : 4F Slab

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]**

Date of Test : 26/10/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	27/9/2025	Edison 3000	12.17	55,426	4,554	4520 psi	Type 1 (Combined **)
2	(29 days test)	Edison 3000	12.42	54,742	4,408	(31.2 MPa)	Type 2 (Combined **)
3		Edison 3000	12.54	57,707	4,602	(318 kg/cm ²)	Type 1 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone

Type 4: Diagonal cracks

Type 2: Well-formed cone with vertical crack

Type 5: Side fractures at top or bottom

Type 3: Columnar vertical cracks

Type 6: Side fractures at top or bottom but end of cylinder is pointed

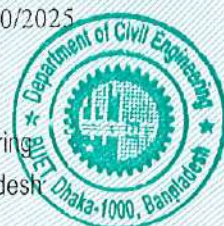
Countersigned by:

Prof. Dr. Moazzem Hossain
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27/10/2025

Dr. Md. Mafizur Rahman
 Professor
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 BUET, Dhaka-1000, Bangladesh



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-65982/CE /25-26/; Dt: 11/11/2025
Sent by : CDC Concrete Ltd.
Ref. No. : CDCCL/Homes 71; Dt: 11/11/2025
Project : Homes 71 Ltd., 3500 psi, P#387, R#14, Savar DOHS
Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]
Location : 6F Roof
Test : Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]
Date of Test : 12/11/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	14/10/2025	Homes 71 3500	12.42	54,013	4,349	4650 psi	Type 1 (Combined **)
2	(29 days test)	Homes 71 3500	11.93	58,446	4,899	(32.1 MPa)	Type 1 (Combined **)
3		Homes 71 3500	12.17	57,337	4,711	(327 kg/cm ²)	Type 2 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone
Type 2: Well-formed cone with vertical crack
Type 3: Columnar vertical cracks
Type 4: Diagonal cracks
Type 5: Side fractures at top or bottom
Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

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15/11/2025

Nishatee Binte Shahid
Assistant Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



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CONCRETE LABORATORY



BRTC No. : 1103-55669/CE /24-25/; Dt: 28/6/2025

Sent by : Md. Jahirul Islam Hanif, Sr. AGM Engineering, The Ibn Sina Trust
House-48, Road-9/A, Dhanmondi R/A, Dhaka.

Ref. No. : Letter; Dt: 28/6/2025

Project : Ibn Sina Training Centre, Kolatia, Dhaka.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 3rd Floor Slab

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**

Date of Test : 29/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Mode of Failure
1	26/5/2025	Ibn Sina 4500	12.30	74,704	6,073	6130 psi (42.3 MPa) (431 kg/cm ²)	Combined *
2	(34 days test)	Ibn Sina 4500	12.06	79,236	6,570		Combined *
3		Ibn Sina 4500	12.18	70,171	5,761		Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

01/07/2025

Tazwar Bakhtiyar Zahid
Assistant Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/package/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-56089/CE /25-26/; Dt: 2/7/2025
Sent by : Md. Sharoar Hossain, Project Engineer, Inspace Architects Ltd.
215, Bir Uttam Mir Shawkat Sarak, Tejgaon I/A, Dhaka.
Ref. No. : Letter; Dt: 29/6/2025
Project : DG Goods Shed @ Bhabanipur.
Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]
[Admixture added (as per letter): Not mentioned]
Location : Combined Footing Casting
Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
Date of Test : 3/7/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	31/5/2025	Inspace, 3500 psi	11.70	58,848	5,030	5120 psi	Combined *
2	(33 days test)	Inspace, 3500 psi	11.82	60,902	5,152	(35.3 MPa)	Combined *
3		Inspace, 3500 psi	12.06	62,270	5,163	(360 kg/cm ²)	Combined *

Note: Samples were received in sealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

Dr. Annesha Enam
Associate Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



08/07/2025

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-56088/CE /25-26/; Dt: 2/7/2025
Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.
Ref. No. : CDCCL/JBS; Dt: 2/7/2025
Project : JBS Gazi Landmark, 4000 psi, P: 7911, R: 28/B, B: N, Basundhara R/A, Dhaka.
Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]
Location : Pile Cap
Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
Date of Test : 3/7/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Mode of Failure
1	22/5/2025	JBS 4000	12.06	59,554	4,938	4890 psi	Combined *
2	(42 days test)	JBS 4000	12.92	60,662	4,695	(33.7 MPa)	Combined *
3		JBS 4000	12.30	61,770	5,022	(344 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

Dr. Annesha Enam
Associate Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



08/07/2025

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-54742/CE /24-25/; Dt: 18/6/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/Lions Builders; Dt: 18/6/2025

Project : Lions Time Square, 3625 psi, 146/E/3, West Agargaon, Dhaka.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 6F Slab

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**

Date of Test : 19/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Mode of Failure
1	14/5/2025	Lions	12.06	76,970	6,382	6320 psi	Combined *
2	(36 days test)	Lions	11.94	72,437	6,067	(43.6 MPa)	Combined *
3		Lions	12.18	79,236	6,505	(444 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

24/06/2025

Dr. Annesha Enam
Associate Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



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CONCRETE LABORATORY



BRTC No. : 1103-65755/CE /25-26/; Dt: 9/11/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchalbari, Mirpur, Dhaka.

Ref. No. : CDCCL/New Vision; Dt: 9/11/2025

Project : New Vision Glory, 3500 psi, Kakrail, Dhaka.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 11F Slab

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]**

Date of Test : 10/11/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	12/10/2025	New Vision 3500 psi	11.93	54,742	4,589	4670 psi	Type 1 (Combined **)
2	(29 days test)	New Vision 3500 psi	12.42	55,882	4,499	(32.2 MPa)	Type 1 (Combined **)
3		New Vision 3500 psi	12.17	59,989	4,929	(328 kg/cm ²)	Type 5 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone

Type 2: Well-formed cone with vertical crack

Type 3: Columnar vertical cracks

Type 4: Diagonal cracks

Type 5: Side fractures at top or bottom

Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain

Test-In-Charge

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh

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12/11/2025

Dr. Munaz Ahmed Noor

Professor

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



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CONCRETE LABORATORY



BRTC No. : 1103-57608/CE /25-26/; Dt: 27/7/2025

Sent by : Abdullah Safar Famee, Project Engineer
Rancon Engineering and Consultants Ltd.

Ref. No. : Letter; Dt: 27/7/2025

Project : Rancon Engineering and Consultants Ltd.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]
[Admixture added (as per letter): Not mentioned]

Location : Road in Between of DHS Shed and SUZUKI 5 Storied Building

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**

Date of Test : 28/7/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Mode of Failure
1	26/6/2025	Rail	12.06	58,465	4,848	4590 psi	Combined *
2	(32 days test)	Rail	12.18	56,173	4,612	(31.6 MPa)	Combined *
3		Rail	11.94	51,589	4,321	(323 kg/cm ²)	Combined *

Note: Samples were received in sealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain

Test-In-Charge

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh

Test Performed by:

29/07/2025

Dr. Md. Mafizur Rahman

Professor

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-65024/CE /25-26/; Dt: 30/10/2025

Sent by : Samsu Zaman, Asst. Manager

Rancon Engineering & Consultants Ltd.

Ref. No. : Letter; Dt: 30/10/2025

Project : Rail Scrapyard Road Project at Rancon Industrial Ltd., Gazipur.

Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]

[Admixture added (as per letter): Not mentioned]

Location : Rail Scrapyard Road

Test : Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]

Date of Test : 1/11/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	30/9/2025	Rail 3500	12.17	66,611	5,473	---	Type 1 (Combined **)
2	(32 days test)	Rail 3500	12.54	55,362	4,415		Type 5 (Combined **)
3		Rail 3500	12.67	66,611	5,257		Type 1 (Combined **)

Note: Samples were received in sealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone

Type 2: Well-formed cone with vertical crack

Type 3: Columnar vertical cracks

Type 4: Diagonal cracks

Type 5: Side fractures at top or bottom

Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

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03/11/2025

Md. Amin Al Noor
Assistant Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



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CONCRETE LABORATORY



BRTC No. : 1103-55990/CE /25-26/; Dt: 1/7/2025
Sent by : Md. Sharoar Hossain, Project Engineer, Inspace Architects Ltd.
215, Bir Uttam Mir Shawkat Sarak, Tejgaon I/A, Dhaka.
Ref. No. : Letter; Dt: 29/6/2025
Project : Rancon guest House Extension @ Bhabanipur.
Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]
[Admixture added (as per letter): Not mentioned]
Location : Combined Footing Casting
Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
Date of Test : 2/7/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	29/5/2025	Inspace 4000	12.06	50,863	4,217	4290 psi	Combined *
2	(34 days test)	Inspace 4000	12.06	53,113	4,404	(29.6 MPa)	Combined *
3		Inspace 4000	11.94	50,863	4,260	(302 kg/cm ²)	Combined *

Note: Samples were received in sealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

Dr. Munaz Ahmed Noor
Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



07/07/2025

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-65024/CE /25-26/; Dt: 30/10/2025

Sent by : Mozammel Haque, Jr. Executive, Rancon Engineering & Consultants Ltd.

215, Bir Uttam Mir Shawkat Sarak Tejgaon I/A, Dhaka.

Ref. No. : Letter; Dt: 30/10/2025

Project : Rancon Ashulia Service & Rebuild Plant, Taherbag, Khejurbagan, Ashulia.

Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]

[Admixture added (as per letter): Not mentioned]

Location : Not Mentioned

Test : Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]

Date of Test : 1/11/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	30/9/2025	JMC 3500	12.05	57,612	4,781	5040 psi	Type 1 (Combined **)
2	(32 days test)	JMC 3500	12.17	63,237	5,196	(34.7 MPa)	Type 5 (Combined **)
3		JMC 3500	12.54	64,361	5,132	(354 kg/cm ²)	Type 1 (Combined **)

Note: Samples were received in sealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone

Type 2: Well-formed cone with vertical crack

Type 3: Columnar vertical cracks

Type 4: Diagonal cracks

Type 5: Side fractures at top or bottom

Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

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Md. Amin Al Noor
Assistant Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

03/11/2025



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY

BRTC No. : 1103-54865/CE /24-25/; Dt: 19/6/2025

Sent by : Md. Istiak Ahmed, Project Engineer
Rangs Properties Ltd.

Ref. No. : Letter; Dt: 18/6/2025

Project : Rancon Dakhinaloy Project at P-02, R-02 & 11, Sec-07, Uttara, Dhaka.

Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]
[Admixture added (as per letter): Not mentioned]

Location : 8th Floor Roof Beam & Slab

Test : Compressive Strength Test of Concrete Cylinder [ASTM C39]

Date of Test : 21/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Mode of Failure
1	14/5/2025	Rangs 4000	12.67	72,675	5,736	5680 psi	Combined *
2	(38 days test)	Rangs 4000	12.42	70,383	5,667	(39.2 MPa)	Combined *
3		Rangs 4000	12.67	71,300	5,627	(399 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain

Test-In-Charge

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh

Test Performed by:

Snigdha Afsana

Assistant Professor

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



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CONCRETE LABORATORY



BRTC No. : 1103-65755/CE /25-26/; Dt: 9/11/2025
Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.
Ref. No. : CDCCL/RDDL; Dt: 9/11/2025
Project : RDDL Madbor Tower, 3500 psi, 21/10 Pallabi, R/A, Pallabi, Mirpur, Dhaka.
Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]
Location : 2F Roof
Test : Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]
Date of Test : 10/11/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	13/10/2025	Rddl 3500 psi	12.17	52,916	4,348	4540 psi	Type 1 (Combined **)
2	(28 days test)	Rddl 3500 psi	12.17	53,145	4,367	(31.3 MPa)	Type 2 (Combined **)
3		Rddl 3500 psi	12.30	60,217	4,896	(319 kg/cm ²)	Type 3 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone
Type 2: Well-formed cone with vertical crack
Type 3: Columnar vertical cracks
Type 4: Diagonal cracks
Type 5: Side fractures at top or bottom
Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:


Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:


Dr. Munaz Ahmed Noor
Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

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12/11/2025



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CONCRETE LABORATORY



BRTC No. : 1103-64476/CE /25-26/; Dt: 25/10/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/Runner; Dt: 25/10/2025

Project : Runner Reaz Shunildip, 3000 psi, 18 Mitaly Road, Jigatola.

Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 8F Slab

Test : Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]

Date of Test : 26/10/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	26/9/2025	Runner 3000	12.30	51,319	4,172	4130 psi	Type 5 (Combined **)
2	(30 days test)	Runner 3000	12.42	49,722	4,003	(28.5 MPa)	Type 3 (Combined **)
3		Runner 3000	12.30	51,776	4,209	(290 kg/cm ²)	Type 5 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone

Type 4: Diagonal cracks

Type 2: Well-formed cone with vertical crack

Type 5: Side fractures at top or bottom

Type 3: Columnar vertical cracks

Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain

Test-In-Charge

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh

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27/10/2025

Dr. Md. Mafizur Rahman

Professor

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



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BRTC No. : 1103-64476/CE /25-26/; Dt: 25/10/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/Runner; Dt: 25/10/2025

Project : Runner Reaz Shunildip, 3000 psi, 18 Mitaly Road, Jigatola.

Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 8F Slab

Test : Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]

Date of Test : 26/10/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	26/9/2025	Runner 3000	12.30	51,319	4,172	4130 psi	Type 5 (Combined **)
2	(30 days test)	Runner 3000	12.42	49,722	4,003	(28.5 MPa)	Type 3 (Combined **)
3		Runner 3000	12.30	51,776	4,209	(290 kg/cm ²)	Type 5 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone

Type 4: Diagonal cracks

Type 2: Well-formed cone with vertical crack

Type 5: Side fractures at top or bottom

Type 3: Columnar vertical cracks

Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain

Test-In-Charge

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh

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27/10/2025

Dr. Md. Mafizur Rahman

Professor

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



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CONCRETE LABORATORY

BRTC No. : 1103-56088/CE /25-26/; Dt: 2/7/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/Starlit; Dt: 2/7/2025

Project : Starlit Chayaneer, 4000 psi, P: 276/4/A, 60ft, Mirpur.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 3F Slab

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**

Date of Test : 3/7/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	4/6/2025	Starlit 4000	12.06	63,986	5,306	4880 psi	Combined *
2	(29 days test)	Starlit 4000	12.92	62,878	4,867	(33.6 MPa)	Combined *
3		Starlit 4000	12.30	55,121	4,481	(343 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

08/07/2025

Dr. Annesha Enam
Associate Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



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CONCRETE LABORATORY



BRTC No. : 1103-64865/CE /25-26/; Dt: 29/10/2025
 Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
 29/1, Goranchatbari, Mirpur, Dhaka.
 Ref. No. : CDCCL/Unimass; Dt: 29/10/2025
 Project : Unimass PRPL, 3500 psi, P-25,27, Avenue-8, B-E, Aftabnagar.
 Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
 [Admixture added (as per letter): Not mentioned]
 Location : GF Roof
 Test : Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]
 Date of Test : 30/10/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	1/10/2025	Unimass 3500	12.67	78,157	6,169	6220 psi	Type 5 (Combined **)
2	(29 days test)	Unimass 3500	12.54	77,033	6,143	(42.9 MPa)	Type 1 (Combined **)
3		Unimass 3500	12.30	78,157	6,354	(437 kg/cm ²)	Type 1 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone

Type 4: Diagonal cracks

Type 2: Well-formed cone with vertical crack

Type 5: Side fractures at top or bottom

Type 3: Columnar vertical cracks

Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain
 Test-In-Charge
 Department of Civil Engineering
 BUET, Dhaka-1000, Bangladesh

Test Performed by:

Dr. Md. Shamsul Hoque
 Professor
 Department of Civil Engineering
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CONCRETE LABORATORY



BRTC No. : 1103-58470/CE /25-26/; Dt: 9/8/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/Union; Dt: 9/8/2025

Project : Union Zalir Emphyrean 3000 psi, P-93, Kalabagan, Dhaka.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 1F Roof

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**

Date of Test : 10/8/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	10/7/2025 (31 days test)	Union 3000 psi	12.67	51,589	4,072	4070 psi	Combined *
2		Union 3000 psi	12.55	48,838	3,891	(28.1 MPa)	Combined *
3		Union 3000 psi	12.06	51,130	4,240	(286 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

Dr. Md. Mafizur Rahman
Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



11/08/2025

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