

Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 ORIGINAL A carbon copy for the report has been retained in the lab for record.

> 7574 Dr. Umbreen

To: Mr. Zeeshan Asghar

GM Project, ALBARIO ENGINEERING (PVT) LTD.

Project: Mangla Refurbishment Project. (Generator Stator Sole Plate Unit-4 in Mangla Power House.)

Our Ref. No. CL/CED/ 5502	Dated:	09-08-24	Test Specification
Your Ref. No. AEPL-MRP-3&4-08	Dated:	06-08-24	()

COMPRESSION TEST REPORT



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

ens received on:	0	8-08	-24	Tested on:	09-0	8-24	in dry/wet condition			ONLINE REPORT	
Mark*	Cas DD	-		Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)			Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
Sika Grout-275 (Generator Plate)	3	8	2024	2x2x2		295	4	10	5600		Non Engraved
Sika Grout-275 (Lower Bracket)	3	8	2024	2x2x2		295	4	11	6160		Non Engraved
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	Mark* Sika Grout-275 (Generator Plate) Sika Grout-275 (Lower Bracket)	Mark* Cas DD DD Sika Grout-275 3 Sika Grout-275 3 (Lower Bracket) 3 <td>Mark* Casting DD MM Sika Grout-275 (Generator Plate) 3 8 Sika Grout-275 (Lower Bracket) 3 8 Casting 3 8 Sika Grout-275 (Lower Bracket) 3 8 </td> <td>Mark* Casting Date* DD MM VYYY Sika Grout-275 (Generator Plate) 3 8 2024 Sika Grout-275 (Lower Bracket) 3 8 2024 </td> <td>Mark* Casting Date* Size DD MM YYYY (in) Sika Grout-275 (Generator Plate) 3 8 2024 2x2x2 Sika Grout-275 (Lower Bracket) 3 8 2024 2x2x2 <</td> <td>Mark* Casting Date* Size Wet Weight Weight DD MM YYYY (in) (Kg/gms) Sika Grout-275 (Generator Plate) 3 8 2024 2x2x2 Sika Grout-275 (Lower Bracket) 3 8 2024 2x2x2 </td> <td>Mark* Casting Date* Size Wet Weight Dry Weight Sika Grout-275 3 8 2024 2x2x2 295 Sika Grout-275 3 8 2024 2x2x2 295 Sika Grout-275 3 8 2024 2x2x2 295 (Lower Bracket) 3 8 2024 2x2x2 295 295 295 295 295 295 295 <</td> <td>Mark* Casting Date* Size Wet Weight Weight Weight Weight S-Section (Kg/gms) (Kg/gms) (Sq. in) Sika Grout-275 (Generator Plate) 3 8 2024 2x2x2 295 4 Sika Grout-275 (Generator Plate) 3 8 2024 2x2x2 295 4 Sika Grout-275 (Lower Bracket) 3 8 2024 2x2x2 295 4 295 4 295 4 295 4 <td>Mark* Casting Date* Size Wet Weight (Kg/ gms) Dry Weight (Sq. in) Area of X-Section load Ultimate load Sika Grout-275 (Generator Plate) 3 8 2024 $2x2x2$ 295 4 10 Sika Grout-275 (Generator Plate) 3 8 2024 $2x2x2$ 295 4 10 Sika Grout-275 (Generator Plate) 3 8 2024 $2x2x2$ 295 4 11 295 4 11 </td><td>Mark* Casting Date* Size Wet Weight (Kg/ gms) Dry Weight (Kg/ gms) Area of X-Section (Imp. Tons) Ultimate Stress (psi) Sika Grout-275 3 8 2024 $2x2x2$ 295 4 10 5600 Sika Grout-275 3 8 2024 $2x2x2$ 295 4 11 6160 295 4 11 6160 <!--</td--><td>Mark* Casting Date* Size Weight Weight (Kg/ gms) Dry Weight (Kg/ gms) Area of X-Section Ultimate load Water Absorption (%) Sika Grout-275 3 8 2024 2x2x2 295 4 10 5600 Sika Grout-275 3 8 2024 2x2x2 295 4 10 5600 Sika Grout-275 3 8 2024 2x2x2 295 4 10 5600 Sika Grout-275 3 8 2024 2x2x2 295 4 11 6160 I-ower Bracket) 3 8 2024 2x2x2 295 4 11 6160 I-ower Bracket) 3 8 2024 2x2x2 295 4 11 6160 I-ower Bracket) 3 8 2024 2x2x2 295 4 11 <</td></td></td>	Mark* Casting DD MM Sika Grout-275 (Generator Plate) 3 8 Sika Grout-275 (Lower Bracket) 3 8 Casting 3 8 Sika Grout-275 (Lower Bracket) 3 8	Mark* Casting Date* DD MM VYYY Sika Grout-275 (Generator Plate) 3 8 2024 Sika Grout-275 (Lower Bracket) 3 8 2024	Mark* Casting Date* Size DD MM YYYY (in) Sika Grout-275 (Generator Plate) 3 8 2024 2x2x2 Sika Grout-275 (Lower Bracket) 3 8 2024 2x2x2 <	Mark* Casting Date* Size Wet Weight Weight DD MM YYYY (in) (Kg/gms) Sika Grout-275 (Generator Plate) 3 8 2024 2x2x2 Sika Grout-275 (Lower Bracket) 3 8 2024 2x2x2	Mark* Casting Date* Size Wet Weight Dry Weight Sika Grout-275 3 8 2024 2x2x2 295 Sika Grout-275 3 8 2024 2x2x2 295 Sika Grout-275 3 8 2024 2x2x2 295 (Lower Bracket) 3 8 2024 2x2x2 295 295 295 295 295 295 295 <	Mark* Casting Date* Size Wet Weight Weight Weight Weight S-Section (Kg/gms) (Kg/gms) (Sq. in) Sika Grout-275 (Generator Plate) 3 8 2024 2x2x2 295 4 Sika Grout-275 (Generator Plate) 3 8 2024 2x2x2 295 4 Sika Grout-275 (Lower Bracket) 3 8 2024 2x2x2 295 4 295 4 295 4 295 4 <td>Mark* Casting Date* Size Wet Weight (Kg/ gms) Dry Weight (Sq. in) Area of X-Section load Ultimate load Sika Grout-275 (Generator Plate) 3 8 2024 $2x2x2$ 295 4 10 Sika Grout-275 (Generator Plate) 3 8 2024 $2x2x2$ 295 4 10 Sika Grout-275 (Generator Plate) 3 8 2024 $2x2x2$ 295 4 11 295 4 11 </td> <td>Mark* Casting Date* Size Wet Weight (Kg/ gms) Dry Weight (Kg/ gms) Area of X-Section (Imp. Tons) Ultimate Stress (psi) Sika Grout-275 3 8 2024 $2x2x2$ 295 4 10 5600 Sika Grout-275 3 8 2024 $2x2x2$ 295 4 11 6160 295 4 11 6160 <!--</td--><td>Mark* Casting Date* Size Weight Weight (Kg/ gms) Dry Weight (Kg/ gms) Area of X-Section Ultimate load Water Absorption (%) Sika Grout-275 3 8 2024 2x2x2 295 4 10 5600 Sika Grout-275 3 8 2024 2x2x2 295 4 10 5600 Sika Grout-275 3 8 2024 2x2x2 295 4 10 5600 Sika Grout-275 3 8 2024 2x2x2 295 4 11 6160 I-ower Bracket) 3 8 2024 2x2x2 295 4 11 6160 I-ower Bracket) 3 8 2024 2x2x2 295 4 11 6160 I-ower Bracket) 3 8 2024 2x2x2 295 4 11 <</td></td>	Mark* Casting Date* Size Wet Weight (Kg/ gms) Dry Weight (Sq. in) Area of X-Section load Ultimate load Sika Grout-275 (Generator Plate) 3 8 2024 $2x2x2$ 295 4 10 Sika Grout-275 (Generator Plate) 3 8 2024 $2x2x2$ 295 4 10 Sika Grout-275 (Generator Plate) 3 8 2024 $2x2x2$ 295 4 11 295 4 11	Mark* Casting Date* Size Wet Weight (Kg/ gms) Dry Weight (Kg/ gms) Area of X-Section (Imp. Tons) Ultimate Stress (psi) Sika Grout-275 3 8 2024 $2x2x2$ 295 4 10 5600 Sika Grout-275 3 8 2024 $2x2x2$ 295 4 11 6160 295 4 11 6160 </td <td>Mark* Casting Date* Size Weight Weight (Kg/ gms) Dry Weight (Kg/ gms) Area of X-Section Ultimate load Water Absorption (%) Sika Grout-275 3 8 2024 2x2x2 295 4 10 5600 Sika Grout-275 3 8 2024 2x2x2 295 4 10 5600 Sika Grout-275 3 8 2024 2x2x2 295 4 10 5600 Sika Grout-275 3 8 2024 2x2x2 295 4 11 6160 I-ower Bracket) 3 8 2024 2x2x2 295 4 11 6160 I-ower Bracket) 3 8 2024 2x2x2 295 4 11 6160 I-ower Bracket) 3 8 2024 2x2x2 295 4 11 <</td>	Mark* Casting Date* Size Weight Weight (Kg/ gms) Dry Weight (Kg/ gms) Area of X-Section Ultimate load Water Absorption (%) Sika Grout-275 3 8 2024 2x2x2 295 4 10 5600 Sika Grout-275 3 8 2024 2x2x2 295 4 10 5600 Sika Grout-275 3 8 2024 2x2x2 295 4 10 5600 Sika Grout-275 3 8 2024 2x2x2 295 4 11 6160 I-ower Bracket) 3 8 2024 2x2x2 295 4 11 6160 I-ower Bracket) 3 8 2024 2x2x2 295 4 11 6160 I-ower Bracket) 3 8 2024 2x2x2 295 4 11 <

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 comprensive strength

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

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



Our Ref. No. CL/C	ED/ 5503	Dated:	09-08-24	Test Specification
Your Ref. No.	AEE-IV/LCCD-II/SAP/52	Dated:	14-05-24	(BS 1881-116)

COMPRESSION TEST REPORT



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

Specim	ens received on:	0	7-08	-24	Tested on:	09-0	8-24	in dry/wet	condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	PCC (1:2:4)	11	4	2024	6x6x6		8.4	36	76	4729		Non Engraved
2	PCC (1:2:4)	11	4	2024	6x6x6		8.8	36	52	3236		Non Engraved
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16												
Witness	Witnessed by: Nil											

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 compressive strength

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

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

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



Civil Engineering Department

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

7569 Dr. Umbreen

To: Asstt: Executive Engineer-IV

Central Civil Division No.II, Pak P.W.D., Lahore.

Project: Construction of PCC, Soling, Nallah and Drain at UC Badomali, District Nankana Sahib (07/38) (02/62)

Our Ref. No. CL	/CED/ 5504	Dated:	09-08-24	Test Specification
Your Ref. No.	AEE-IV/LCCD-II/SAP/05	Dated:	13-11-23	(BS 1881-116)

COMPRESSION TEST REPORT



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

Specim	ens received on:	0	7-08	-24	Tested on:	09-0	8-24	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	-	Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	PCC (1:2:4)	10	10	2023	6x6x6		9	36	58	3609		Non Engraved
2	PCC (1:2:4)	10	10	2023	6x6x6		9	36	76	4729		Non Engraved
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Witness	ed by: Nil											

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

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

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

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

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

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



Civil Engineering Department

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

7548 Dr. M. Yousaf

To: Mr. Umer Maqsood

Project Manager, PAKMIX Ready Mix Concrete.

Project: Construction of JDW Tower Gulberg Lahore. (Contractor: AJK Engineer Pvt. Ltd.)

Our Ref. No. CL/CED/ 5505	Dated:	09-08-24	Test Specification
Your Ref. No. Nil	Dated:	05-08-24	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	0	5-08	-24	Tested on:	07-0	8-24	in dry/wet	t condition			ONLINE REPORT
Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Pile No. 75 (4000 Psi)	7	7	2024	6Diax12		14	28.28	45	3564		Non Engraved
2	Pile No. 75 (4000 Psi)	7	7	2024	6Diax12		13.4	28.28	46	3644		Non Engraved
3	Pile No. 75 (4000 Psi)	7	7	2024	6Diax12		14	28.28	29	2297		Non Engraved
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Witness	Witnessed by: Nil											

witnessea 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 compressive strength

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

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



Civil Engineering Department

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7548 Dr. M. Yousaf

To: Mr. Umer Maqsood

Project Manager, PAKMIX Ready Mix Concrete.

Project: Construction of JDW Tower Gulberg Lahore. (Contractor: AJK Engineer Pvt. Ltd.)

Our Ref. No. CL/CED/ 5506	Dated:	09-08-24	Test Specification
Your Ref. No. Nil	Dated:	05-08-24	(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on:		0	5-08	-24	Tested on:	07-0	08-24	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*		-	Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Pile No. 156,159 (4000 Psi)	28	7	2024	6Diax12		14.2	28.28	30	2376		Non Engraved
2	Pile No. 156,159 (4000 Psi)	28	7	2024	6Diax12		13	28.28	29	2297		Non Engraved
3	Pile No. 156,159 (4000 Psi)	28	7	2024	6Diax12		13.4	28.28	49	3881		Non Engraved
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Witness	Witnessed by: Nil											

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 compressive strength

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

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

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



Civil Engineering Department

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7548 Dr. M. Yousaf

To: Mr. Umer Maqsood

Project Manager, PAKMIX Ready Mix Concrete.

Project: Construction of JDW Tower Gulberg Lahore. (Contractor: AJK Engineer Pvt. Ltd.)

Our Ref. No. CL/CED/ 5507	Dated:	09-08-24	Test Specification
Your Ref. No. Nil	Dated:	05-08-24	(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on:		0	05-08-24		Tested on:	07-0	8-24	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Pile No. 166,158 (4000 Psi)	30	7	2024	6Diax12		13.6	28.28	29	2297		Non Engraved
2	Pile No. 166,158 (4000 Psi)	30	7	2024	6Diax12		13.4	28.28	30	2376		Non Engraved
3	Pile No. 166,158 (4000 Psi)	30	7	2024	6Diax12		13	28.28	26	2059		Non Engraved
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Witness	Nitnessed by: Nil											

Witnessed by: Nil

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

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7548 Dr. M. Yousaf

To: Mr. Umer Maqsood

Project Manager, PAKMIX Ready Mix Concrete.

Project: Construction of JDW Tower Gulberg Lahore. (Contractor: AJK Engineer Pvt. Ltd.)

Our Ref. No. CL/CED/ 5508	Dated:	09-08-24	Test Specification
Your Ref. No. Nil	Dated:	05-08-24	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	0	5-08	-24	Tested on:	07-0	8-24	in dry/wet	condition			ONLINE REPORT
Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Pile No. 68,73 (4000 Psi)	8	7	2024	6Diax12		13.8	28.28	50	3960		Non Engraved
2	Pile No. 68,73 (4000 Psi)	8	7	2024	6Diax12		13.4	28.28	60	4752		Non Engraved
3	Pile No. 68,73 (4000 Psi)	8	7	2024	6Diax12		13.6	28.28	45	3564		Non Engraved
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Witnessed by: Nil												

Witnessed by: Nil

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

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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.



Executive Engineer

Buildings Division Kasur.

Project: Construction of 07-Nos New Class Rooms in Schools (FCDO) (PESP-II) One at Govt. Primary School Pial Kalan No.2 (01-No. C/R) Tehsil & District Kasur (EMIS Code-35120433) Our Ref. No. CL/CED/ 5509 09-08-24 Dated: Your Ref. No. 3793/D Dated: 10-07-24

COMPRESSION TEST REPORT

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

Specim	ens received on:	2	23-07	-24	Tested on:	09-0)8-24	in dry/wet	condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD		Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	SB				8.9 x 4.3 x 3		3350	38.27	40	2341		
2	SB				8.8 x 4.4 x 3		3240	38.72	50	2893		
3	SB				8.9 x 4.4 x 3		3400	39.16	46	2631		
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1. * as engraved on the specimens (if any)

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

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

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

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

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

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

Director/Dy. Director Concrete Laboratory

Test Specification

(----)



To: **Executive Engineer**

Buildings Division Kasur.

Project: Construction of 07-Nos New Class Rooms in Schools (FCDO) (PESP-II) One at Govt. Primary School Bunga Sardar Kahan Singh (01-No. C/R) Tehsil Pattoki District Kasur (EMIS Code-35130128) Our Ref. No. CL/CED/ 5510 Dated: 09-08-24 Dated: 22-06-24

Your Ref. No. 3661/C

COMPRESSION TEST REPORT

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

Specim	ens received on:	2	3-07	-24	Tested on:	09-0)8-24	in dry/wet	condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD		Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	BBC				8.9 x 4.4 x 3		3395	39.16	48	2746		
2	BBC				8.9 x 4.3 x 3		3415	38.27	46	2692		
3	BBC				9 x 4.4 x 3		3420	39.6	48	2715		
4												
5						STANE	RING					
6					-),	READ IN	2071					
7						OF THY GRAD WHC CREATES	رچې ا اند کې خلق ر	133				
8					1							
9					>	20-		2				
10					<		IORE.					
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12												
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15												
16												
Witness	sed by:					•	•	•	•	•		

Witnessed by:

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

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

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

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

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

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

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

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

Director/Dy. Director Concrete Laboratory

Test Specification

(----)





To: Mr. Tahawar Owais

Project Manager, DSG Energy

Project: Construction of Office Building at 29-M QIE, Lahore.

Our Ref. No. CL/CED/ 5511	Dated:	09-08-24	Test Specification
Your Ref. No. Nil	Dated:	Nil	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	0	8-08	-24	Tested on:	09-0	8-24	in dry/wet	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1		9	7	2024	6Diax12		14.4	28.28	90	7129		Non Engraved
2		9	7	2024	6Diax12		14	28.28	96	7604		Non Engraved
3		9	7	2024	6Diax12		14.6	28.28	74	5861		Non Engraved
4		9	7	2024	6Diax12	/	14.6	28.28	84	6653		Non Engraved
5		9	7	2024	6Diax12	NHINE	R/15	28.28	87	6891		Non Engraved
6		9	7	2024	6Diax12	READIN	14.6	28.28	85	6733		Non Engraved
7						OF THY 	زیجے۔ اندکی خلق ر	I FCP				
8					S.R. 1			i Na				
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Witness	Witnessed by: Nil											

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 compressive strength

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

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

Supervisor (Lab)



ORIGINAL A carbon copy for the report has been retained in the lab for record.

> 7552 Dr. Umbreen

Sub Divisional Officer Buildings Sub Division No. 15, Lahore Project: Construction of New Courts Block at Site of Old Administration Block at Lahore High Court, Lahore (6th Floor- Slab Darbar Side) Our Ref. No. CL/CED/ 5512 Dated: 09-08-24 Test Specification Your Ref. No. Memo No. 926 Dated: 02-08-24

Mobile: 0307-0496895

COMPRESSION TEST REPORT



(ASTM C39)

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

Specim	ens received on:	0	5-08	-24	Tested on:	09-0)8-24	in dry/wet	condition			iesterij
Sr. No.	Mark*	Cas DD	-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	3000 Psi	25	7	2024	6Diax12		13	28.28	20	1584		Non Engraved
2	3000 Psi	25	7	2024	6Diax12		13.4	28.28	22	1743		Non Engraved
3	3000 Psi	25	7	2024	6Diax12		13.4	28.28	18	1426		Non Engraved
4												
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6)	READ IN	2071	<u> </u>				
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Witness	sed by:											

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

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

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

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

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

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

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



Plain and Reinforced Concrete Laboratory **Civil Engineering Department**

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

7552 Dr. Umbreen

Sub Divisional Officer			
Buildings Sub Division No. 15, Lahore			
Project: Construction of New Courts Block at Site of ((5th Floor- Slab Darbar Side)	Old Administration Block at La	hore High Court, I	Lahore
Our Ref. No. CL/CED/ 5513	Dated:	09-08-24	Test Specification
Your Ref. No. Memo No. 924	Dated:	02-08-24	(ASTM C39)

COMPRESSION TEST REPORT



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

Specim	ens received on:	0	5-08	-24	Tested on:	09-0	08-24	in dry/we	t condition		Ċ	je steri
Sr. No.	Mark*	Cas DD	-	Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	3000 Psi	3	7	2024	6Diax12		13.6	28.28	50	3960		Non Engraved
2	3000 Psi	3	7	2024	6Diax12		13	28.28	40	3168		Non Engraved
3	3000 Psi	3	7	2024	6Diax12		13.4	28.28	48	3802		Non Engraved
4												
5					-	NHNE	RING					
6					-	READ IN	2071					
7						OF THY HORD WHO OREATES	زیجی ان کی خلق ر					
8					S.R. 1			5				
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Witness	ed by:											

witnessea by:

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

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

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

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

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

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

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

Supervisor (Lab)



Plain and Reinforced Concrete Laboratory

Civil Engineering Department

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

ORIGINAL A carbon copy for the report has been retained in the lab for record.

> 7552 Dr. Umbreen

Sub Divisional O	Officer			
Buildings Sub D	ivision No. 15, Lahore			
Project: Constru (5th Floor- Colur	ction of New Courts Block at Site of nn Darbar Side)	Old Administration Block at La	hore High Court, Lahore	
Our Ref. No. CL/	CED/ 5514	Dated:	09-08-24	Ī
Your Ref. No.	Memo No. 930	Dated:	05-08-24	

COMPRESSION TEST REPORT



Test Specification (ASTM C39)

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

Specimo	ens received on:	0	5-08	-24	Tested on:	09-0)8-24	in dry/we	t condition		Ē	jesneg
Sr. No.	Mark*		-	Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	4000 Psi	5	7	2024	6Diax12		14	28.28	68	5386		Non Engraved
2	4000 Psi	5	7	2024	6Diax12		13.8	28.28	52	4119		Non Engraved
3	4000 Psi	5	7	2024	6Diax12		14	28.28	74	5861		Non Engraved
4						/						
5					1	WHINE	RINS A					
6					-	READIN	2071					
7						OF THY 	زیجب الذکی خلق ر					
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Witness	ed by:											

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

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

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

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

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

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

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



Plain and Reinforced Concrete Laboratory

Civil Engineering Department

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

ORIGINAL A carbon copy for the report has been retained in the lab for record.

> 7552 Dr. Umbreen

Sub Divisional Officer		
Buildings Sub Division No. 15, La	hore	
Project: Construction of New Co (6th Floor- Column Darbar Side)	rts Block at Site of Old Administration Block at Lahore High Court, Lahor	e
Our Ref. No. CL/CED/ 5515	Dated: 09-08-24	Ī
Your Ref. No. Memo No. 932	Dated: 05-08-24	

COMPRESSION TEST REPORT



Test Specification (ASTM C39)

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

Specim	ens received on:	0	5-08	-24	Tested on:	09-0	8-24	in dry/wet condition			Ü	jesker
Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	4000 Psi	28	7	2024	6Diax12		13	28.28	48	3802		Non Engraved
2	4000 Psi	28	7	2024	6Diax12		13.4	28.28	74	5861		Non Engraved
3	4000 Psi	28	7	2024	6Diax12		13.4	28.28	64	5069		Non Engraved
4												
5						THE	RING					
6						READIN						
7						OF THY HORD WHO OREATES	ز <u>ع</u> ۔ اندکی خلق ر	£21				
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Witness	Witnessed by:											

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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

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

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



Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 <u>ORIGINAL</u> A carbon copy for the report has been retained in the lab for record.

> 7567 Dr. Umbreen

To: Executive Engineer (B&W) UVAS, Lahore. (M/S Shaheen Construction Company)

Project: Construction of Wrestling Academy at Sport Complex City Campus, UVAS, Lahore.

Our Ref. No. CL/C	CED/ 5516	Dated:	09-08-24	Test Specification
Your Ref. No.	E.E 905	Dated:	07-08-24	(ASTM C39)

COMPRESSION TEST REPORT



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

Specim	ens received on:	0	7-08	-24	Tested on:	09-0	8-24	in dry/wet condition			Ü	12.3. 8 .96
Sr. No.	Mark*		•	Date*	Size	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress	Water Absorpti on (%)	Remarks
1	G.F Beam & Slab	30	7	2024	(in) 6Diax12	(r.g/ gills) 	(rtg/ gills) 14	28.28	(imp. rons) 40	(psi) 3168		Engraved
2	(5000 Psi) (1:1:2) G.F Beam & Slab (5000 Psi) (1:1:2)	31	7	2024	6Diax12		13	28.28	34	2693		Engraved
3												
4												
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7					- È	OF THY CREATES	ز یک ان کی خلق ر	-				
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Witness	Witnessed by:											

Witnessed by:

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

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

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

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

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

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

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



Civil Engineering Department

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

ORIGINAL A carbon copy for the report has been retained in the lab for record.

> 7565 Dr. Umbreen

To: Mr. Muhammad Sajjad

Project Incharge, Tehsil Jatoi, District Muzaffargarh.

Project: Construction of House No.60, C Block Model Town, Lahore.

Our Ref. No. CL/CED/ 5517	Dated:	09-08-24	Test Specification
Your Ref. No. Nil	Dated:	Nil	(ASTM C39)

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COMPRESSION TEST REPORT



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

Specimens received on:		07-08-24		-24	Tested on:	09-08-24		in dry/wet condition			国を必然の	
Sr. No.	Mark*	Casting Date*		Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	F.F Columns + Shear Wall	28	7	2024	6Diax12		14.4	28.28	64	5069		Non Engraved
2	F.F Columns + Shear Wall	28	7	2024	6Diax12		14	28.28	66	5228		Non Engraved
3	F.F Columns + Shear Wall	28	7	2024	6Diax12		14	28.28	64	5069		Non Engraved
4	F.F Columns + Shear Wall	29	7	2024	6Diax12		14	28.28	46	3644		Non Engraved
5	F.F Columns + Shear Wall	29	7	2024	6Diax12	STATI	RI/14	28.28	52	4119		Non Engraved
6	F.F Columns + Shear Wall	29	7	2024	6Diax12		14	28.28	48	3802		Non Engraved
7	F.F Lift + Shear Wall	30	7	2024	6Diax12	OF THY CORD WHO CREATES	13.2	28.28	54	4277		Non Engraved
8	F.F Lift + Shear Wall	30	7	2024	6Diax12		13.4	28.28	54	4277		Non Engraved
9	F.F Lift + Shear Wall	30	7	2024	6Diax12	20-	14	28.28	54	4277		Non Engraved
10					<		IORE.					
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15												
16												
Witness	Witnessed by:											

witnessea by:

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

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

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

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

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

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

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

Supervisor (Lab)



Plain and Reinforced Concrete Laboratory Civil Engineering Department

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

7566 Dr. Umbreen

:	Mr. Mohammad	Aslam			
	Manager, Const	ruction S-2 Allied Bank Ltd. Engg. Cell, So	uth-II, Abdali Tower,Abo	dali Road, Multan	
		iction of New Building for ABL Sheikh Cot ng & Locker Room up to Plinth)	ton Colony Branch (1051	1) & Regional Office	Vehari.
	Our Ref. No. CL/	/CED/ 5518	Dated:	09-08-24	Test Specification
	Your Ref. No.	GHQ/S2/CRM/MA/2024/283	Dated:	07-08-24	(ASTM C39)

COMPRESSION TEST REPORT



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

Mark*							in dry/wet condition			ONLINE REPORT	
WICH K		-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)			Water Absorpti on (%)	Remarks
	29	7	2024	6Diax12		13.4	28.28	44	3485		Non Engraved
	29	7	2024	6Diax12		13.4	28.28	34	2693		Non Engraved
	29	7	2024	6Diax12		13.6	28.28	40	3168		Non Engraved
				- (NHINE	BING					
				- 2	KEAD N	200	<u> </u>				
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						IOR -					
	 -	29 29	29 7 29 7 29 7	29 7 2024 29 7 2024 29 7 2024 29 7 2024 29 7 2024	29 7 2024 6Diax12 29 7 2024 6Diax12 29 7 2024 6Diax12	29 7 2024 6Diax12 29 7 2024 6Diax12 <	29 7 2024 6Diax12 13.4 29 7 2024 6Diax12 13.6 29 7 2024 6Diax12 13.6 13.6	29 7 2024 6Diax12 13.4 28.28 29 7 2024 6Diax12 13.6 28.28 13.6 28.28 <tr< td=""><td> 29 7 2024 6Diax12 13.4 28.28 34 29 7 2024 6Diax12 13.6 28.28 40 13.6 28.28 40 13.6 28.28 40 </td><td> 29 7 2024 6Diax12 13.4 28.28 34 2693 29 7 2024 6Diax12 13.6 28.28 40 3168 13.6 28.28 40 3168 13.6 28.28 40 3168 13.6 28.28 40 3168 -</td><td> 29 7 2024 6Diax12 13.4 28.28 34 2693 29 7 2024 6Diax12 13.6 28.28 40 3168 </td></tr<>	29 7 2024 6Diax12 13.4 28.28 34 29 7 2024 6Diax12 13.6 28.28 40 13.6 28.28 40 13.6 28.28 40	29 7 2024 6Diax12 13.4 28.28 34 2693 29 7 2024 6Diax12 13.6 28.28 40 3168 13.6 28.28 40 3168 13.6 28.28 40 3168 13.6 28.28 40 3168 -	29 7 2024 6Diax12 13.4 28.28 34 2693 29 7 2024 6Diax12 13.6 28.28 40 3168

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

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

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