

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.

> 8610 Dr. Umbreen

To: Mr. M. Mazhar Maqbool

G.M. (Planning & Admin), Kraftcon (Pvt) Limited

Project: BIO MASS BOILER AT AZGARD-9 LIMITED, MANGA MANDI.

Our Ref. No. CL/C	ED/ 7003	Dated:	1/9/2025	Test Specification
Your Ref. No.	kpl/25/012	Dated:	1/8/2025	(BS 1881-116)

7

COMPRESSION TEST REPORT



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

Specim	ens received on:	1	/8/20)25	Tested on:	1/9/	2025	in dry/wet	condition			i Centrad
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	0.1 (70)	
1	Concrete Type C26	31	12	2024	6x6x6		8.6	36	58	3609		Non Engraved
2	Concrete Type C26	31	12	2024	6x6x6		8.6	36	50	3111		Non Engraved
3	Concrete Type C26	31	12	2024	6x6x6		8.6	36	48	2987		Non Engraved
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Witnessed by: Nil

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

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

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

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

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



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

8574 Dr. Umbreen

To: Mr. Rashid Kamran

Resident Engineer, Construction Management Division. NESPAK (Pvt.) Ltd.

Project: Nil (Cont	Project: Nil (Contractor: "FWO")											
Our Ref. No. CL/C	ED/ 7004	Dated:	1/9/2025	Test Specification								
Your Ref. No.	4792/13/RK/05/04	Dated:	12/18/2024	()								

COMPRESSION TEST REPORT



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

Specim	ens received on:	12	2/20/2	2024	Tested on:	12/9	/2025	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti on (%)	Remarks
		00			(11)	(r.g/ gms)	(Kg/ gms)	(34. 11)	(imp.rons)	(psi)	. ,	
1	ND				8.8 x 4.4 x 3.1	3895	3455	38.72	40	2314	12.74	
2	ND				8.8 x 4.3 x 3	3610	3220	37.84	42	2486	12.11	
3	ND				8.9 x 4.3 x 3	3760	3350	38.27	34	1990	12.24	
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witnessed by:

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> 8593 Dr. Umbreen

To: Mr. Arfan Nazir

Manager Civil, Nishat Mills Limited, 22 km off Ferozepur Road, 5-km Nishat Avenue, Lahore.

Project: Construction of Corduroy Building & ETP Modification (First Floor Slab)

Our Ref. No. CL/C	ED/ 7005	Dated:	1/9/2025	Test Specification
Your Ref. No.	NDF/CB/005	Dated:	1/6/2025	(BS 1881-116)

COMPRESSION TEST REPORT



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

Specim	ens received on:	1	/7/20)25	Tested on:	1/9/	2025	in dry/we	t condition		0] <i>620846</i>
Sr. No.	Mark*	Cas	Casting Date*		Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (76)	
1	C-20 (+219.260)	31	12	2024	6x6x6		8.4	36	84	5227		Non Engraved
2	C-20 (+219.260)	31	12	2024	6x6x6		8.8	36	72	4480		Non Engraved
3	C-20 (+219.260)	31	12	2024	6x6x6		8.8	36	74	4604		Non Engraved
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witnessed by:

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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.

Director/Dy. Director 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.

> 8593 Dr. Umbreen

To: Mr. Arfan Nazir

Manager Civil, Nishat Mills Limited, 22 km off Ferozepur Road, 5-km Nishat Avenue, Lahore

Project: Construction of Corduroy Building & ETP Modification (Columns Grid 5/A, 5'/A)

Our Ref. No. CL/C	ED/ 7006	Dated:	1/9/2025	Test Specification
Your Ref. No.	NDF/CB/006	Dated:	1/6/2025	(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimo	ens received on:	1	/7/20)25	Tested on:	1/9/	2025	in dry/we	t condition		0	0 Crather
Sr. No.	Mark*	Cas	Casting Date*		Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (76)	
1	C-30	5	12	2024	6x6x6		8.8	36	82	5102		Non Engraved
2	C-30	5	12	2024	6x6x6		9	36	80	4978		Non Engraved
3	C-30	5	12	2024	6x6x6		9	36	100	6222		Non Engraved
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8446 Dr. Umbreen

Test Specification

(BS 3921**)

To: Sub Divisional Officer Buildings Sub Division No. 5, Lahore

Project: Renovation of Kulit ul Binnat College Lahore

Our Ref. No. CL/CED/	7007

Your Ref. No. 4381/5th

COMPRESSION TEST REPORT



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

Specim	ens received on:	17	/12/2	2024	Tested on:	1/9/	2025	in dry/wet condition				jesne g
Sr. No.	Mark*	Cas DD	ting MM	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	RB				8.9 x 4.3 x 2.9	3645	3010	38.27	35	2049	21.1	
2	RB				8.9 x 4.3 x 2.9	3690	3105	38.27	38	2224	18.84	
3	RB				9 x 4.2 x 2.8	3565	2855	37.8	27	1600	24.87	
4	RB				9 x 4.3 x 2.9	3555	2840	38.7	23	1331	25.18	
5	RB				8.9 x 4.3 x 2.9	3565	2830	38.27	25	1463	25.97	
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Dated:

Dated:

1/9/2025

12/10/2024

Witnessed by:

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Plain and Reinforced Concrete Laboratory

Civil Engineering Department

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

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

> 8471 Dr. Umbreen

To: Mr. Muhammad Aman Ullah Resident Engineer, Construction Management Division, NESPAK (Pvt) Ltd

Project: Construction of Missing Link in Block- (J & F) Jinnah Sector, LDA City.

Our Ref. No. CL/CED/ 7008	Dated:	1/9/2025	Test Specification
Your Ref. No. 4047/13/MA/04/404	Dated:	10/2/2024	(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on:		20/12/2024		2024	Tested on:	1/9/2025		in dry/wet condition				
Sr. No.	Mark*	Cas DD	ting MM	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	М				8.8 x 4.3 x 3	3795	3390	37.84	43	2545	11.95	
2	м				8.8 x 4.3 x 3	3755	3360	37.84	46	2723	11.76	
3	м				8.8 x 4.3 x 3	3680	3415	37.84	42	2486	7.76	
4	м				8.9 x 4.3 x 3	3720	3335	38.27	40	2341	11.54	
5	Μ				8.9 x 4.3 x 3	3770	3340	38.27	36	2107	12.87	
6	Μ	-			8.7 x 4.2 x 2.9	3630	3325	36.54	44	2697	9.17	
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Witnessed by:

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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.

> 8551 Dr. Umbreen

To: Engr. Ghulam Rasool

Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd

Project: Rehabilitation / Improvement of Streets (P.C.C.) Sewerage / Drainage UC-244 Nishtar Zone MCL

Our Ref. No. CL/	/CED/ 7009	Dated:	1/9/2025	Test Specification
Your Ref. No.	103/LDP/NZ/04/46	Dated:	31/12/2024	(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on:		1/1/2025		25	Tested on:	1/9/	1/9/2025		in dry/wet condition					
Sr. No.	Mark*	Cas DD	ting MM	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	ABC				8.8 x 4.2 x 3	3460	3095	36.96	44	2667	11.79			
2	ABC				8.8 x 4.2 x 2.9	3455	3125	36.96	44	2667	10.56			
3	ABC				8.7 x 4.3 x 3	3440	3000	37.41	28	1677	14.67			
4	ABC				8.7 x 4.3 x 3	3540	3085	37.41	44	2635	14.75			
5	ABC				8.6 x 4.3 x 2.9	3445	3055	36.98	42	2544	12.77			
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Witnessed by:

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



the report has been retained in the lab for record.

8441

ORIGINAL

To: Sub Division Officer

Specimens received on:

Buildings Sub Division No. 19, Lahore

Project: Establishment of Fatima Jinnah Institute of Dental Sciences Jubilee Town, Lahore (ADP No. 305 for the Year 2024-25) "Balance work of Construction of Teaching College/ Academic Block, Boys & Girls Hostel & Our Ref. No. CL/CED/ 7010 Dated: 1/9/2025 **Test Specification** 30/11/2024 Dated:

1/9/2025

in dry/wet condition

Your Ref. No. No. 1739

COMPRESSION TEST REPORT

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

16/12/2024 Tested on:



(BS 3921**)

Sr. No.	Mark*	Casting Date*		Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress Absorpti	Water Absorpti	Remarks
		DD	мм	ΥΥΥΥ	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	No. 1				9 x 4.4 x 3.2	4025	3495	39.6	42	2376	15.16	
2	No. 1				9 x 4.3 x 3.1	4015	3470	38.7	40	2315	15.71	
3	No. 1				9 x 4.4 x 3.1	4070	3495	39.6	32	1810	16.45	
4	No. 1				9 x 4.5 x 3	4005	3455	40.5	24	1327	15.92	
5	No. 1				9 x 4.4 x 3	4080	3515	39.6	40	2263	16.07	
6					-)	KEAU N	2071	<u> </u>				
7						OF THY -CRD WHO CREATES	ز <u>ع</u> ۔ الد کی خلق ر	133				
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Witnessed by:

15

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Director/Dy. Director Concrete Laboratory