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9135 Dr. M. Mazhar

To: **Resident Engineer (GB Zone)** EPHE Division, NESPAK (Pvt) Ltd

Project: Improvement of Water Supply / Sewerage System, UC-100 Samanabad Zone, Lahore

Our Ref. No. CL/	CED/ 7995	Dated:	16/4/2025	Test Specification
Your Ref. No.	LDP/GB-WASA/43101-322	Dated:	04/03/2025	( BS 3921** )

# **COMPRESSION TEST REPORT**

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

Specime	ens received on:	1	7/3/2	025	Tested on:	16/4	/2025	in dry/wet	t condition			
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
1	YD				8.9 x 4.3 x 3	3705	3240	38.27	37	2166	14.35	
2	YD				9 x 4.3 x 3	3755	3225	38.7	38	2199	16.43	
3	YD				8.7 x 4.2 x 3.1	3690	3250	36.54	40	2452	13.54	
4	YD				8.8 x 4.3 x 3	3745	3290	37.84	40	2368	13.83	
5	YD				9 x 4.4 x 2.9	3775	3305	39.6	42	2376	14.22	
6	YD				8.8 x 4.3 x 3	3705	3295	37.84	40	2368	12.44	
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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.



9135 Dr. M. Mazhar

To: **Resident Engineer (GB Zone)** EPHE Division, NESPAK (Pvt) Ltd

Project: Improvement of Water Supply / Sewerage System, UC-78 Samanabad Zone, Lahore

Our Ref. No. CL/	CED/ 7996	Dated:	16/4/2025	Test Specification
Your Ref. No.	LDP/GB-WASA/43101-323	Dated:	04/03/2025	( BS 3921** )

# **COMPRESSION TEST REPORT**

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

Specime	ens received on:	1	7/3/2	025	Tested on:	16/4	/2025	in dry/wet	t 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	YD				8.8 x 4.2 x 2.9	3605	3215	36.96	42	2545	12.13	
2	YD				8.7 x 4.2 x 3	3675	3255	36.54	38	2330	12.9	
3	YD				8.9 x 4.3 x 3	3720	3285	38.27	36	2107	13.24	
4	YD				9 x 4.3 x 3	3775	3370	38.7	32	1852	12.02	
5	YD				9 x 4.4 x 3	3790	3320	39.6	36	2036	14.16	
6	YD				8.8 x 4.2 x 3	3740	3315	36.96	40	2424	12.82	
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Witness	ed by:											

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9135 Dr. M. Mazhar

To: **Resident Engineer (GB Zone)** EPHE Division, NESPAK (Pvt) Ltd

Project: Improvement of Water Supply / Sewerage System, UC-66 Data Gunj Baksh Zone, Lahore

Our Ref. No. CL/	(CED/ 7997	Dated:	16/4/2025	Test Specification
Your Ref. No.	LDP/GB-WASA/43101-317	Dated:	04/03/2025	( BS 3921** )

# **COMPRESSION TEST REPORT**

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

Specime	ens received on:	1	7/3/2	025	Tested on:	16/4	/2025	in dry/wet	t condition			
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
1	MD				(III) 8.9 x 4.3 x 3	(rtg/ gills) 3670	(rtg/ gills) 3215	38.27	(IIIIp. 10115) 36	(psi) 2107	14.15	
2	MD				8.8 x 4.3 x 3	3660	3235	37.84	34	2013	13.14	
3	MD				8.8 x 4.3 x 3	3775	3350	37.84	38	2249	12.69	
4	MD				8.6 x 4.2 x 2.8	3535	3150	36.12	40	2481	12.22	
5	MD				8.9 x 4.4 x 3	3810	3355	39.16	48	2746	13.56	
6	MD				8.6 x 4.1 x 2.9	3695	3300	35.26	38	2414	11.97	
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Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

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



9135 Dr. M. Mazhar

To: **Resident Engineer (GB Zone)** EPHE Division, NESPAK (Pvt) Ltd

Project: Improvement of Water Supply / Sewerage System, UC-79 Samanabad Zone, Lahore

Our Ref. No. CL/	CED/ 7998	Dated:	16/4/2025	Test Specification
Your Ref. No.	LDP/GB-WASA/43101-325	Dated:	04/03/2025	( BS 3921** )

# **COMPRESSION TEST REPORT**

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

Specime	ens received on:	1	7/3/2	025	Tested on:	16/4	/2025	in dry/wet	condition			
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
		סט	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. In)	(Imp. I ons)	(psi)		
1	A1				9 x 4.4 x 3	3885	3420	39.6	44	2489	13.6	
2	A1				9 x 4.3 x 2.9	3675	3220	38.7	44	2547	14.13	
3	A1				8.9 x 4.2 x 2.9	3505	3100	37.38	40	2397	13.06	
4	A1				9 x 4.4 x 3	3965	3415	39.6	40	2263	16.11	
5	A1				9 x 4.4 x 3	3890	3400	39.6	36	2036	14.41	
6	A1				8.9 x 4.3 x 3	3630	3210	38.27	44	2575	13.08	
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2. The test results are recommended to be interpreted in the light of above factors by the engineer.



9222 Dr. M. Mazhar

To: Sub Divisional Officer Highway Sub Division, Shahpur

Project: Widening & Improvement of Sahiwal to Shahpur Length 34.43 Km in District Sargodha

Our Ref. No. CL/CEI	D/ 7999	Dated:	16/4/2025	Test Specification
Your Ref. No.	325/SP	Dated:	14/12/2024	( )

# **COMPRESSION TEST REPORT**

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

Specimo	ens received on:	08	8/04/2	025	Tested on:	16/4	/2025	in dry/wet	t condition			jester j
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	ΥΥΥΥ	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Rectangular, Grey, 60 mm				7.8 x 3.8 x 2.4		2740	29.64	108	8162		
2	Rectangular, Grey, 60 mm				7.8 x 3.8 x 2.4		2780	29.64	115	8691		
3	Rectangular, Grey, 60 mm	1			7.8 x 3.8 x 2.4		2885	29.64	115	8691		
4	Rectangular, Grey, 60 mm	1			7.8 x 3.8 x 2.4		2765	29.64	112	8464		
5	Rectangular, Grey, 60 mm				7.8 x 3.8 x 2.4	CINE	2775	29.64	106	8011		
6	Rectangular, Grey, 60 mm				7.8 x 3.8 x 2.4	READ IN	2720	29.64	102	7709		
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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.
To: Pro	oject Manager	9242 Dr. M. Mazhar
Na Pro To	sir Khursheed Packages (Pvt) Ltd pject: Factory Flooring of Nasir Khursheed Packages (Pvt) Ltd, 27-Km Lahore Sheikhupura Road, Wapda wn, Sheikhupura	

Our Ref. No. CL/CED/	8000	Dated:	16/4/2025	Test Specification
Your Ref. No. Nil		Dated:	08/04/2025	( )

# **COMPRESSION TEST REPORT**

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

Specimens received on:		09/04/2025		2025	Tested on:	16/4/2025		in dry/wet condition				
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight (Ka/ ams)	Dry Weight (Ka/ ams)	Area of X-Section	Ultimate load	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Rectangular, Grey,				7.7 x 3.8 x 2.3		2555	29.26	92	(p31) 7043		
2	Rectangular, Grey, 60 mm				7.7 x 3.8 x 2.3		2655	29.26	104	7962		
3	Rectangular, Grey, 60 mm				7.7 x 3.8 x 2.3		2600	29.26	74	5665		
4	Rectangular, Grey, 60 mm				7.7 x 3.8 x 2.3		2670	29.26	95	7273		
5	Rectangular, Grey, 60 mm				7.7 x 3.8 x 2.3	EINE	2570	29.26	87	6660		
6	Rectangular, Grey, 60 mm				7.7 x 3.8 x 2.3		2635	29.26	98	7502		
7	Rectangular, Grey, 80 mm				7.8 x 3.9 x 3	LORD WHO	-3585	30.42	80	5891		
8	Rectangular, Grey, 80 mm				7.8 x 3 <mark>.9 x</mark> 3		3575	30.42	74	5449		
9	Rectangular, Grey, 80 mm				7.8 x 3.9 x 3		3515	30.42	88	6480		
10	Rectangular, Grey, 80 mm				7.8 x 3.9 x 3		3600	30.42	62	4565		
11	Rectangular, Grey, 80 mm				7.8 x 3.9 x 3		3475	30.42	70	5155		
12	Rectangular, Grey, 80 mm				7.8 x 3.9 x 3		3545	30.42	86	6333		
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Witnessed by:												

### Witnessed by:

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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

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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

To: **Deputy Director (Engg)** Lahore Development Authority, U.D.Wing, Khayaban-e-Firdousi, 467-D-II, M.A. Johar Town, Lhr

Project: Sustainable Development of Gulberg Scheme Block B-III, Lahore

Our Ref. No. CL/	CED/ 8001	Dated:	Dated: 16/4/2025		
Your Ref. No.	DD(Engg)/LDA/25	Dated:	17/2/2025	( )	

# **COMPRESSION TEST REPORT**

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

Specimens received on:		09/04/2025		2025	Tested on:	16/4/2025		in dry/wet condition				
Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD MM YYY		YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Polygone Shape Paver,Grey,60mm				2.3 thick		2590	26.27	115	9806		
2	Polygone Shape Paver,Grey,60mm				2.3 thick		2480	26.27	81	6907		
3	Polygone Shape Paver,Grey,60mm				2.3 thick		2385	26.27	74	6310		
4	Polygone Shape Paver,Grey,60mm				2.3 thick		2335	26.27	87	7418		
5	Polygone Shape Paver,Red,60mm				2.3 thick	EINE	2295	26.27	92	7845		
6	Polygone Shape Paver,Red,60mm				2.3 thick		2270	26.27	85	7248		
7	Polygone Shape Paver,Red,60mm				2.3 thick	THE NAME	-2400	26.27	79	6736		
8	Polygone Shape Paver,Red,60mm				2.3 thick 🔗	L'O'D'ALO	2370	26.27	88	7504		
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9235 Dr. M. Mazhar