



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.

9630
Dr. M. Yousaf

To: Resident Engineer
EPHE Division, NESPAK (Pvt) Ltd.

Project: Improvement of Water Supply / Sewerage System UC-70 Gunj Buksh Zone, Lahore. (Contractor: M/S Al-Nafay Construction)

Our Ref. No. CL/CED/ 8737

Dated: 30/06/2025

Test Specification

Your Ref. No. LDP/GB-WASA/43101-809

Dated: 30/05/2025

(---)

COMPRESSION TEST REPORT



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

Specimens received on: 18/06/2025 Tested on: 30/06/2025 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2695	29.64	97	7331	---	---
2	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2640	29.64	114	8615	---	---
3	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2630	29.64	114	8615	---	---
4	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2695	29.64	100	7557	---	---
5	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2855	29.64	94	7104	---	---
6	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2770	29.64	123	9296	---	---
7	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2845	29.64	112	8464	---	---
8	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2745	29.64	110	8313	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** 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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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Dr. M. Yousaf

To: Resident Engineer
EPHE Division, NESPAK (Pvt) Ltd.

Project: Improvement of Water Supply / Sewerage System UC-171 Gunj Buksh Zone, Lahore. (Contractor: M/S Al-Nafay Construction)

Our Ref. No. CL/CED/ 8738

Dated: 30/06/2025

Test Specification

Your Ref. No. LDP/GB-WASA/43101-810

Dated: 30/05/2025

(---)

COMPRESSION TEST REPORT



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

Specimens received on: 18/06/2025 Tested on: 30/06/2025 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2865	29.64	86	6499	---	---
2	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2875	29.64	107	8086	---	---
3	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2845	29.64	111	8389	---	---
4	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2805	29.64	104	7860	---	---
5	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2530	29.64	112	8464	---	---
6	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2480	29.64	94	7104	---	---
7	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2810	29.64	94	7104	---	---
8	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2815	29.64	99	7482	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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ORIGINAL
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9698
Dr. M. Yousaf

To: Mr. Mohsin Ali
Project Manager, AF Builders, Johar Town, Lahore.

Project: Shell Select Store Room Slab and Boundary Wall Column.

Our Ref. No. CL/CED/ 8739

Dated: 30/06/2025

Test Specification

Your Ref. No. Nil

Dated: 26/06/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 27/06/2025 Tested on: 30/06/2025 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	Boundary Wall Column	11	5	2025	6x6x6	---	8	36	56	3484	---	Non Engraved
2	Store Room Slab	23	5	2025	6x6x6	---	8.2	36	70	4356	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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the lab for record.

9704
Dr. Umbreen

To: Mr. Muhammad Azhar Bhaur
CEO Stone Pakistan. 3-Golf Avenue Canal Bank, Lahore.

Project: Nil

Our Ref. No. CL/CED/ 8740

Dated: 30/06/2025

Test Specification

Your Ref. No. Nil

Dated: 30/06/2025

(---)

COMPRESSION TEST REPORT



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

Specimens received on: 30/06/2025 Tested on: 30/06/2025 in dry/wet condition



Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	Calcined Gypsum & Sbr Cube	---	---	---	6x6x6	---	3220	36	8	498	---	Non Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. M. Azhar Bhaur CNIC # 35201-9155443-7

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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ORIGINAL

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9690
Dr. M. Yousaf

To: Mr. Tanvir Naqvi
Resident Engineer, Highways and Transportation Engineering Division. NESPAK (Pvt) Ltd.
Project: Rehabilitation / Improvement / Patch Work on Link Road UC-128,129,130,161,163 Shalamar Zone
Phase-II. (Scheme #18)
Our Ref. No. CL/CED/ 8741
Your Ref. No. 4048/103/LDP/SMZ(S-18)/04/50

Dated: 30/06/2025

Test Specification

Dated: 19/06/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 27/06/2025 Tested on: 30/06/2025 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	(1:2:4)	29	5	2025	6x6x6	---	7.8	36	52	3236	---	Non Engraved
2	(1:2:4)	29	5	2025	6x6x6	---	8	36	50	3111	---	Non Engraved
3	(1:2:4)	29	5	2025	6x6x6	---	8	36	56	3484	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

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ORIGINAL

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9691
Dr. M. Yousaf

To: Assistant Engineer
LG & CD Civil Sub Division, Lahore

Project: Construction of PCC Sewerage D-Block Service Road UC-150, Main Bazar, Dogaij Town, Lahore.

Our Ref. No. CL/CED/ 8742

Dated: 30/06/2025

Test Specification

Your Ref. No. AE/LG&LG/LHR/2025/193

Dated: 25/06/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 27/06/2025 Tested on: 30/06/2025 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	PCC (1:2:4)	29	5	2025	6x6x6	---	8	36	90	5600	---	Non Engraved
2	PCC (1:2:4)	29	5	2025	6x6x6	---	8	36	86	5351	---	Non Engraved
3	PCC (1:2:4)	29	5	2025	6x6x6	---	8	36	62	3858	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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Director/Dy. Director Concrete Laboratory



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9511
Dr. M.Yousaf

To: Mr. Siraj Ahmed
Deputy Team Leader / R.E, PRSWSS Project-North. Techno - Consult International (Pvt) Ltd.
Project: Punjab Rural Sustainable Water Supply & Sanitation Project-Pilot Phase, Cluster North. Contract Package: KLK-04 "Procurement of Civil Works, North, Tehsil Kallar Kahar (Villages Vasnal & Jhumra)"
Our Ref. No. CL/CED/ 8743 Dated: 30/06/2025
Your Ref. No. TCI/PRSWSS-NORTH/PHASE-V/KLK-04/33 Dated: 09/01/2025

Test Specification

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 26/05/2025 Tested on: 30/06/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	777	---	---	---	8.5 x 4.3 x 2.6	2775	2405	36.55	37	2268	15.38	---
2	777	---	---	---	8.5 x 4.1 x 2.6	2885	2490	34.85	38	2442	15.86	---
3	777	---	---	---	8.5 x 4 x 2.8	2865	2475	34	36	2372	15.76	---
4	M1	---	---	---	8.8 x 4.2 x 2.7	2865	2370	36.96	20	1212	20.89	---
5	M1	---	---	---	8.7 x 4.2 x 2.8	2880	2395	36.54	22	1349	20.25	---
6	M1	---	---	---	8.6 x 4.2 x 2.7	2865	2390	36.12	15	930	19.87	---
7	AK	---	---	---	8.8 x 4.3 x 2.9	3270	2750	37.84	36	2131	18.91	---
8	AK	---	---	---	8.6 x 4.1 x 2.9	3215	2720	35.26	36	2287	18.2	---
9	AK	---	---	---	8.8 x 4.2 x 2.9	3220	2730	36.96	37	2242	17.95	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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9398
Dr. M.Yousaf

To: ARE PCP Package-V
MMP / AiD Consultants. MM Pakistan (Pvt) Ltd.

Project: Comprehensive Sewerage System in Khanewal City Under Punjab Cities Program (PCP).

Our Ref. No. CL/CED/ 8744

Dated: 30/06/2025

Test Specification

Your Ref. No. PCP/KWL-179/2025

Dated: 14/04/2025

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 12/05/2025 Tested on: 30/06/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Machine Made (1000)	---	---	---	8.8 x 4.3 x 3.2	3215	2805	37.84	36	2131	14.62	---
2	Machine Made (1000)	---	---	---	8.9 x 4.2 x 3	3135	2690	37.38	35	2097	16.54	---
3	Machine Made (1000)	---	---	---	8.9 x 4.3 x 2.9	3130	2710	38.27	32	1873	15.5	---
4	Machine Made (1000)	---	---	---	8.5 x 4.2 x 2.7	3190	2785	35.7	36	2259	14.54	---
5	Machine Made (1000)	---	---	---	8.5 x 4.2 x 2.8	3200	2785	35.7	36	2259	14.9	---
6	Machine Made (1000)	---	---	---	8.5 x 4.2 x 2.7	3090	2720	35.7	38	2384	13.6	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** 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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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.

9597
Dr. M.Yousaf

To: Mr. Muhammad Javed
Resident Engineer, NESPAK (Pvt) Ltd.

Project: CM LDP, Ravi Zone Lahore. (Tuff Pavers are Intended to be used in UC-02 & 03, Located in Farakhabad, Ravi Zone Lahore.)

Our Ref. No. CL/CED/ 8745

Dated: 30/06/2025

Test Specification

Your Ref. No. WASA/RAVI-1/RE/1629

Dated: 26/05/2025

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 13/06/2025 Tested on: 30/06/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2750	29.64	112	8464	---	---
2	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2720	29.64	110	8313	---	---
3	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2675	29.64	105	7935	---	---
4	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2620	29.64	96	7255	---	---
5	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2675	29.64	106	8011	---	---
6	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2775	29.64	100	7557	---	---
7	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2895	29.64	104	7860	---	---
8	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2670	29.64	96	7255	---	---
9	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2645	29.64	98	7406	---	---
10	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2670	29.64	108	8162	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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