

Report #	CM 47/2019-20	KERALA ENGINEERING RESEARCH INSTITUTE, PEECHI PIN 680653	Form #	KERI-F-173
Date of issue	04/06/2019		Rev.#	0
Invoice Sample #	47/2019-20		Invoice Date	15/05/2019

CONSTRUCTION MATERIALS & FOUNDATION ENGINEERING

June- 2019

**Report of the Compressive strength of Concrete Cube
Specimens Supplied by the Assistant Engineer, Quality Control
Section, Thrissur**

Irrigation Department

GOVERNMENT OF KERALA

Sample #	CM 47/2019-20	KERALA ENGINEERING RESEARCH INSTITUTE, PEECHI PIN 680653	Form #	KERI-F-174
Date	04/06/2019		Rev.#	0
Codal reference	IS 516-1959(reaffirmed 2004)			
OBSERVED DATA				
Name of test: Compressive strength of concrete cube specimens				
<i>Note: 1. KERI has not taken part in selecting samples for the test.</i> <i>2. Results are valid only for the samples supplied at KERI by the applicant.</i>				

1. INTRODUCTION

The Assistant Engineer, Irrigation Quality control Section, Thrissur vide letter No.QC-05/2002 TSR dated 15/05/2019 had requested to conduct necessary tests and report the test result of Concrete Cubes for the work- M I Class II- Harithakeralam Valiathodu scheme in Mathilakam block Panchayath phase I- Construction of salt water extrusion sluices across Valiathodu and connection thodu in Perinjanam S.N.puram and Eryad Panchayath. Date of casting 07.05.2019, Mix 1: 2:4, M I section Kodungallur (QCT).

2. LABORATORY INVESTIGATION

2.1 PHYSICAL PROPERTIES

No tests have been conducted for determination of the physical properties of the cubes since the client had not requested for the same.

2.2 MECHANICAL PROPERTIES

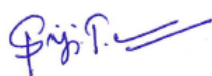
The important mechanical property ie., strength of the samples has been determined in this laboratory. The compressive strength test on concrete cube specimens is conducted as per the methods suggested in IS: 516-1959. All the machineries and equipments used are conforming to IS Specifications.

3. RESULTS

The results for Compressive strength tests are tabulated in Table.

Table : Compressive strength of Concrete Cubes-28th day

Identification Mark	Date of testing	Weight	Breaking load (KN)	Compressive strength	Average Compressive strength
		(Kg)		(N/mm ²)	(N/mm ²)
QCT	04/06/2019	8.590	298.30	13.25	12.81
	04/06/2019	8.140	303.10	13.47	
	04/06/2019	8.170	263.58	11.71	



Assistant Director -I



Deputy Director