



Department of Civil Engineering, TIST



Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY ARAKKUNNAM

DEPARTMENT OF CIVIL ENGINEERING

MATERIAL TESTING LAB

LABORATORY TEST REPORTS

TEST REPORT NO:41

No:-TIST/CE/10/2019-20

Date: 27/02/2020

To,
Alias K.J
Global Bricks
Pulickamali P.O.
Mulanthuruthi (Via)

Sir,
Sub:- Strength and percentage of water absorption testing of building blocks:-
Ref: -Letter dated 24/02/2020.

The following are the results of the tests conducted on the specimens supplied to us as per IS 3620-1979 and IS 1124-1974

1. COMPRESSION TEST ON BUILDING BLOCKS

Test was performed on the face having dimension 30 x 19.5 cm and the results are tabulated below.

SL: No.	Details of specimen	Date of casting of cubes	Size of cube	Breaking Load (kN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Building blocks	25/02/2020	30x19.5x15cm	306.6	5.24	5.25
2	-do-	"	-do-	303.2	5.18	
3	-do-	"	-do-	312.1	5.34	

2. WATER ABSORPTION TEST

Percentage water absorption = 10.77 %

Prepared by.

Checked by.

Approved by

Head of Department
Department of Civil Engineering