



DEPARTMENT OF CIVIL ENGINEERING
GOVT. ENGINEERING COLLEGE, THRISSUR - 9

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STRUCTURAL STABILITY REPORT OF SCHOOL BUILDING AT EDACHIRA (MAR THOMA PUBLIC SCHOOL, KAKKANAD VILLAGE, THRIKKAKARA MUNICIPALITY, EDAPALLY BLOCK, WARD NO. VIII, SURVEY NO. 356/6,7,8, BUILDING NO.08/4035) ERNAKULAM DISTRICT

As Per the request letter from The Principal, Mar Thoma public school, Edachira, I have visited the building site. I have inspected One Building. It is of (B+G+3) Floors. It is found that the structural members such as columns are found intact. Some non-structural cracks were observed on the walls. No cracks were seen on these structural members. Upon Non-destructive (Rebound hammer) testing, the structural concrete is having designed strength. From the inspection & NDT testing, the building is found to be safe under Normal Weather Conditions considering Live Loads and Dead Loads Only.

However the following points are noted in connection with the above.

1. Need of safety certificate from fire department is not checked.
2. The other construction quality aspects, especially construction joints, construction of walls etc. are not checked in this investigation
3. In future, any new crack found in the structure, the same should be consulted to a structural engineer and the necessary measures should be taken.
4. The Confirmation for KMBR/KPBR of the Building has not been verified.

PPS

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