



Department of Civil Engineering
(Accredited by NBA)
GOVERNMENT ENGINEERING COLLEGE KOZHIKODE

West Hill, Kozhikode. 673005

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Certificate

(This certificate is applicable only to the building(s) mentioned in Subject matter of this document and not to any other constructions or objects in the premises)

Subject :-

Stability certificate of Amrutha Public School building blocks Yamuna and Kaveri bearing Nos 308A and 308B in RS No: 12/12 in Ward 1 of Maniyoor Panchayath, Kozhikode District.

Reference :-

- 1) Letter received on 19-06-2023 from The Manager, of Amrutha Public School, Vatakara, Kozhikode District.
- 2) Circular EW3/330/2019 LSGD dated 24-01-2020 and EWA3/179/2020-LSGD dated 15/02/2021 of LSGD

As I am entrusted by Head of Department of Civil Engg., Govt Engineering College, Kozhikode to issue the Structural Stability Certificate of Amrutha Public School building blocks Yamuna and Kaveri bearing Nos 308A and 308B in RS No: 12/12 in Ward 1 of Maniyoor Panchayath, Kozhikode District, we here by conclude as follows:

Building referred here has two Ground+2 configuration named Yamuna and Kaveri constructed as Reinforced Cement Concrete (RCC) framed structure. The drawings showing plan and other details of ground floor, first floor and second floor of the above said buildings which were submitted by the client is verified and scrutinized and were found satisfactory.

In the plan of the said building, it was noticed that the ground floor, first floor and second floor each consisted of 4 classrooms in each block. The building has two stair cases and sufficient passages are also provided. The building is an RCC framed structure with masonry infill. This building is

proposed to function as a part of Secondary School under Central Board of Secondary Education (CBSE) as per the information from School management. The floors and roof of the building (except the roof of Kaveri block) is of RCC slab of 110mm minimum thickness which is connected to the RC frame through RCC beams. RCC columns are spaced at around 3m c/c along the longitudinal wall line and 6m c/c along the transverse walls as shown in drawings. Roof of Kaveri block consists of GI roof sheets on steel truss. Staircase portions of the building are connected integrally to the RCC framed structure.

Client has submitted drawing showing functional plan and structural details of the said building. The total floor area for the Yamuna building mentioned in the plan is 686sqm; the total floor area for the Kaveri building mentioned in the said drawing is 700sqm; with the total built-up area amounting to 1386sqm.

I have physically verified the buildings on 22-07-2023 in the presence of school officials. The building as mentioned above were inspected and documents were verified. On physical verification, we could observe that the structural elements of these buildings were having no cracks or other types of distress. The dimensions of various elements provided in the load bearing structure were found adequate. The dimensions of beams, columns and slabs provided and their reinforcements mentioned in the drawing also are found satisfactory for the RCC framed constructions. The building is resting on laterite soil and similar soil outcrop is visible adjacent to the building. RCC columns are supported on isolated footings. Plinth beam is framed into RCC columns. The provisions of reinforcements were cross checked with the design requirements given in the relevant BIS codes including IS 456. Steel structure provided for the roof of Kaveri block is safe against the normal wind load at this level. Foundations provided were verified based on the drawings submitted and found compliant to the BIS standards and provisions.

The client has produced an affidavit stating that works has been done as per the specifications mentioned in the drawing and as per the relevant

clauses of KPBR and has also informed that building permit and occupancy certificates are obtained. **By considering all these points, we hereby certify that Amrutha Public School building blocks Yamuna and Kaveri bearing Nos 308A and 308B in RS No: 12/12 in Ward 1 of Maniyoor Panchayath, Kozhikode District is structurally fit and stable for its intended purpose under normal weather conditions.** This certificate is issued on the condition that no further alterations or modifications are allowed in the building and the owner shall ensure proper measures for maintenance of the building in future also. This certificate is issued under the provisions of Reference (2) and is valid for one year from 27-07-2023.

Ramesh
27/07/23

Dr. RAGESH P P

Dr. RAGESH. P.P.
PROFESSOR AND HEAD
DEPARTMENT OF CIVIL ENGINEERING
GOVT. ENGINEERING COLLEGE, WESTHILL
KOZHICODE - 673005

Kozhikode,
27-07-2023

