

ANJUMAN HAMI-E-MUSLIMEEN'S

ESTD 1980 ANJUMAN INSTITUTE OF TECHNOLOGY AND NAGEMENT

(FORMERLY ANJUMAN ENGINEERING COLLEGE FOR MEN)

(Affiliated to Visvesvaraya Technological University, Belgaum, Approved by AICTE, New Delhi, & Accredited by N B A  
New Delhi) AICTE Reg. No. F2-15/B-111/RC-MB/93/21734 dated 31.03.1994

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S.T.D. Code : 08385

Office : 226554

Resi : 226307

Certificate of Stability of Existing block of St. Thomas School building at Byndoor.

Inspection and Testing Report

Name of Building : ST. THOMAS HIGHER PRIMARY SCHOOL.

Address : Nithyadhara Nagar, Byndoor,  
Kundapura (Tq.), Udupi District  
Karnataka State,  
Pin - 576214

I certify that I have inspected the building mentioned above. I have done the structural audit based on the visual inspection of the accessible parts/areas of the building. Based on the visual observations, visual symptoms and manifestation shown by the structure, I am of the opinion that the said building is structurally sound and that its stability will not be endangered by their use as an educational purpose building.

At present the age of the building is 13 years. Building is of RCC frame and reported to be designed as per Is 456-2000 specifications. The stability of the structure is assessed only for dead load and live load and that too, based on the visual observations of the super structure and it do not cover any risk arising due to earthquake and any other unforeseen forces causing distress and instability to the structure.

Issued on 4th January 2020.

  
Structural Engineer

(Dr. Phalachandra. H. M.)

H.O.D.  
Dept. of Civil Engineering  
Anjuman Institute of Technology  
and Management  
Anjumanabad, Bhatkal-581 320





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### Certificate of Stability of Existing block of St. Thomas School building at Byndoor.

#### Inspection and Testing Report

Existing block of St. Thomas Higher Primary School building at Nithyadhara Nagar, Byndoor was inspected by Dr. Phalachandra. H. M., Head of the Department, Department of Civil Engineering, Anjuman Institute of Technology and Management, Bhatkal on 03<sup>rd</sup> Jan 2020 and following observations are made:

- The School block of St. Thomas Higher Primary School building, Byndoor is reported to be 13 years old and made of RCC frame.
- Width of building is observed to be 8mtr and provided with sufficient numbers of RCC columns of adequate size.
- Main beams observed at Ground floors are of 300mm wide and 500mm to 600mm deep. All main beams are interconnected by cross beams.
- Columns are spaced longitudinally with a normal spacing of 3.0m centre to centre and most of the main beams are with a clear span of 6 meters. Corridor columns are spaced at 1.5m along the frame.
- Moreover almost all beams especially along South North direction are supported additionally by strong lateritic masonry wall, resting on strong foundation.
- Nondestructive test conducted on RCC elements at site with rebound hammer, indicates the strength of concrete between 22 to 28 N/mm<sup>2</sup> and the concrete of grade M20 to M25 were used.
- The roof slab is well protected with rich mortar finish of sufficient thickness.
- Structural defects, damages, distress, deform or deterioration e.g. structural cracks, excessive deflection, connection failure, instability, floor settlement, foundation settlement, tilt, spalling of concrete, corrosion of steel were not observed at any part of building.

With all the above observations, I **certify** that I have inspected the building mentioned above and have done the structural audit based on the visual inspection of the accessible parts/areas of the building. Based on the visual observations, visual symptoms and manifestation shown by the structure, I am of the opinion that the said building is structurally sound and that its stability will not be endangered by their use as an educational purpose building. The stability of the structure is assessed only for dead load and live load and that too, based on the visual observations of the super structure and it do not cover any risk arising due to earthquake and any other unforeseen forces causing distress and instability to the structure.

Issued on 4th January 2020.

  
**Structural Engineer**  
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