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M. V. PATIL & ASSOCIATES

ASSOCIATE ARCHITECTS

* Structural Consultant * Valuer * Interior Designer * Surveyors

Ref. No.:

Date :

To,
The President,
PRAGAT SHIKSHAN SANSTHA,
Mauje Karawale, Tal. Ambarnath,
Dist.Thane-421302

Date:- 18/08/2025

Subject:- Structural Audit Report of School Building.

R/Sir,

This is to state that we have done the structural audit of "HBM English Day School Building", as per appointment letter dated 16/08/2025.

We certify that the school building is found in very good condition having good ventilation and hygienic condition. No repairs are found necessary for the school building.

Your's,


18/08/2025
Mr. Mahendra V. Patil
Structural Designer
M.E.Civil (Structure)
A.I.E., A.I.V., D.I.D.

PURPOSE OF STRUCTURAL AUDIT:-

To assess the structural condition of the building under following constraint.

1. The report is based on our visual inspection of the accessible area and the data provided by the PRAGAT SHIKSHAN SANSTHA.
2. For obvious reasons, distress in foundation of the structure, if any cannot be assessed.
3. This report is not structural stability report as no investigations of foundations and of seismic safety have been carried out.
4. Detailed investigation if needed, are to be carried out separately,
Assessing the safety of the structure against earthquake is out of our scope.

DETAILS OF STRUCTURE:-

1.	Date of Inspection	:	18 th August 2025
2.	Name of Building	:	HBM English Day School Building
3.	Year of construction of building	:	Ground Floor @2020 First Floor @2021 Second Floor @2022 (as per information by Present President of Pragat Shikshan Sanstha.
4.	Type of Building	:	RCC Building
5.	No. of floors for building	:	Ground + 2
6.	No. of lifts	:	Nil
7.	Types of underground, overhead water tanks	:	2 Sintex water tanks above staircase.
8.	Last repairs and painting done	:	No major repairs done recently. Only normal repairs are done periodically. Painting is done in May 2024.
9.	Any immediate repairs required.	:	No immediate repairs are required.
10.	Present condition of the building.	:	As per detailed observation, present condition of school building is found very good and stable.

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PREFACE:-

Present President of the building appointed us for carrying out of Structural Audit of above-mentioned building. The survey of the building was carried out on 18th August, 2025.

After preliminary inspection, the condition survey of the building was divided into following main areas to be inspected & evaluated:-

1. The structural layout.
2. The external façade of the building.
3. The plumbing, sanitary & drainage system.

THE INVESTIGATION COMPRISED OF:-

1. Detailed visual inspection of the building from outside & inside to determine the nature, extent, causes and consequences of the present damages, such as:-
 - a. Studying of the pattern/nature, direction, propagation and widths of cracks if any.
 - b. Observing the present condition of the external and internal plaster and extent of swelling of plaster and concrete.
2. Locating sources of leakage and to study its effects on the structural elements.

DATA AND OBSERVATIONS:-

The building under inspection is situated at "SURVEY NO. 1/4, 3/3/1, 3/3/2 & 4/1, MAUJE KARAWALE, TAL.AMBARNATH, DIST.THANE-421503". The building is @ 3 years old Ground + 2 storied RCC structure. On every floor there are class rooms, offices and Laboratories are used for education purpose only.

Present President of the Pragat Shikshan Sanstha supplied us the Plan and RCC design of Building. The detailed observations are as follows:-

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EXTERIOR CONDITION OF THE SCHOOL BUILDING:-

- No cracks are found on the exterior plastered faces of the building.
- No cracks are found on RCC members.
- No vegetation growth is found on external faces of building.
- External faces are well painted with weather coat colours.

STAIRCASE:-

- Staircase is in good condition with sufficient width.
- Staircase landings are at required height and with sufficient width.
- No cracks are found in the structural members of staircase.

COMMON PASSAGE:-

- No cracks are found on the plastered surfaces.
- No cracks are found in structural members.
- Passage having good width and proper ventilation.

TERRACE:-

- AC roofing with steel structure is provided at second floor.
- False ceiling is done at second floor.
- No leakage is found on AC roofing.

INTERIOR CONDITION OF THE BUILDING

GROUND FLOOR

1. SCHOOL OFFICE: Is in very good condition having Aluminium partitions as Principal cabins.
2. STAFF ROOM – Is in very good condition.
3. CLASS ROOM 1- Is in very good condition
4. CLASS ROOM 2 – Is in very good condition.

FIRST FLOOR

1. CLASS ROOM 3: Is in very good condition.
2. CLASS ROOM 4- Is in very good condition
3. CLASS ROOM 5- Is in Very good condition

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SECOND FLOOR

1. CLASS ROOM 6: Is in very good condition.
2. CLASS ROOM 7- Is in very good condition
3. CLASS ROOM 8 - Is in Very good condition

CONCLUSION:-

From the data accumulated as above, the following conclusions can be drawn:

The building is @ 3 years old Ground + 2 storied RCC structure. Every floor consist of Class rooms, Offices, Laboratories.

As per information no major repairs are done in past 3 years. By visual insection & data accumulated while inspection & information provided by accompanied person. It can be said that the present condition of the school building is very good and found structurally stable.


Mr. Mahendra V. Patil

Structural Designer

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