

STRUCTURAL STABILITY REPORT OF ACADEMIC BUILDING OF BHONSALA MILITARY SCHOOL GIRLS



20.0040395N 73.7520121E

Parijat Naga
Nashik Division
Maharashtra

Structural Audit of BMSG school, Nashik
23 Aug 2025 11:32:05 am

CLIENT:

**CENTRAL HINDU MILITARY EDUCATION
SOCIETY, NASHIK**

Bhonsala Bhavan, Dr BS Moonje Marg,
Rambhoomi, Veer Sawarkar Nagar, Nashik,
Maharashtra 422005

STRUCTURAL -CONSULTANTS



CIVILTECH INDIA PVT. LTD.

CIN : U72100MH2023PTC413490
PAN : AALCC4348R

Plot No. B45, NICE Area, Satpur MIDC,
Nashik-422007

Phone- 0253 2599822/ 8888616777

Email: -info@civiltechindia.com

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Report No. CIPL/NSK/R/082506/25

Date: 28/08/2025

CERTIFICATE OF STABILITY

- 1) Name of the Building : Academic Building of Bhonsala Military School Girls
2) No of floors : G+1
3) Village, Town and District : Nashik
4) Full Postal Address : Dr BS Moonje Marg, Rambhoomi, Veer Sawarkar
Nagar, Nashik, Maharashtra - 422005
5) Name of the owner : Central Hindu Military Education Society, Nashik
6) Reference Work Order No. : CHMESND/2025/1219 dated 26/08/2025
7) Job No : 082606


I certify that I have inspected and done the inspection of the structural system of academic building of Bhonsala Military school Girls on 23rd Aug 2025 in presence of Mr. Vikas Shewale (representative of BMSG). The partwise detailed observations are attached in the subsequent part of report attached herewith.

I am of opinion that the existing structure is safe and stable as per NBC 2016 and IS 456:2000 for vertical loads as per IS 875 part (i) and (ii) for intended use as school building with conditions as mentioned in the report attached herewith.

This certificate is valid for the period of 5 years from the date of issue.

Place:- Nashik




P.A. Jaiswal
Chartered Structural Engineer
Chartered Reg No- M-093067-1
NMC Reg No.- NMCB/R2023/APL/00442
CivilTech india Pvt. Ltd, Nashik

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Report No: -CIPL/NSK/R/082506/25

Date: - 28/08/2025

To

Central Hindu Military Education Society,
Dr BS Moonje Marg, Rambhoomi,
Veer Sawarkar Nagar, Nashik,
Maharashtra - 422005

SUB: - Structural stability report for Academic Building of Bhonsala Military School Girls for Central Hindu Military Education Society, Nashik -422005.

JOB: - 082506

1.1 General: -

The structure was mainly constructed as school building constructed as G+1 structure with regular rectangular in shape constructed in the year 2016.

Thus, as per the reference, for safety and feasibility of the structure, the structural audit was carried out. The building was inspected on 23rd Aug 2025 and the required observations were carried out subsequently on same day.

Moreover, Indian standard has defined stringent criteria for design of important structures such as school buildings / Hospital where the factor of safety for horizontal loading is modified with an additional factor of 1.5. However, all IS norms are verified with present status of the structure to conclude about the stability of the structure.

Scope does not cover the foundation analysis as foundation and other data is inaccessible.

1.1.1 Methodology and Scope: -

- i. Building is visually inspected, where structural damage is mapped and presented in the subsequent part of this report.
- ii. Mapping stressed part of structure by analysing with test report results based on the visual inspection.
- iii. Suggesting suitable remedies for repair if possible, so as to restore the strength of building.

1.1.2 Assumptions: -

The copy of detailed structural drawing as submitted to competent authority /stability certificate at the time of completion is not available. This report's analysis does not cover validation of existing structural design. It is assumed the structural design is approved and designed by competent engineer as per prevailing IS code at that time.

1.2 Visual Observations: -

Building was constructed in the year 2016. The Visual observations are listed below.



Photo No. 1- Internal View of School

1. The dampness in the peripheral walls was observed at few locations.
2. The vegetation on the terrace level noted at few locations.



Photo No. 2- Vegetation on the terrace level at few locations.

1.3 Conclusion & Remarks: -

1. As per the detailed visual inspection, the existing structure is safe for the vertical loads as per IS 875 part (i) and (ii) for the period of 5 years after which the stability shall be re-accessed to ascertain any damages in between period.
2. However, following recommendations for the safety and feasibility of the structure are advised.
 - a. The vegetation any part of the structure shall be unrooted immediately to avoid ir-reparable damages to the structure.
 - b. Any damage to the drainage pipelines shall be repaired immediately to avoid dampness and odour in the structure.



P.A. Jaiswal

P.A. Jaiswal
 Chartered Structural Engineer
 Chartered Reg No- M-093067-1
 NMC Reg No.- NMCB/R2023/APL/00442
 CivilTech india Pvt. Ltd, Nashik

2.0 Structural Observations and Analysis: -

2.1 Ground floor: -

Sr. No.	Description	Observation	Remarks
1	Live load on floor	3 kN/Sq.m	Table 1, Page 11, IS 875 (Part II) 1987. Load transferred to the ground as Ground Floor.
2	Condition of flooring	Intact	No damage noted to flooring
3	Cracks seen and noted locations		
	a. Brick Masonry wall	No	No cracks noted.
	b. Columns	No	No cracks noted.
	c. Beam / Slab	No	No cracks noted
4	Damage Noted		
	a. Brick Masonry wall	No	No damage noted
	b. Columns	No	No damage noted
	c. Beam / Slab	No	No damage noted
5	Delamination of plaster / concrete	No	Delamination noted
6	Peeling of paint layer	Yes	Peeling of paint layer at the soffit of the slab in frontal passage noted.
7	Dampness	No	No dampness noted.
8	Overall condition of mortar	Good	Good condition of mortar noted.
9	Condition of steel reinforcement	Not exposed	No steel reinforcement exposed.
10	Vibrations in slab / Beam	No	No vibrations felt.
11	Any Significant noting	No	-
Apparent Visual condition: Appears Structurally safe for vertical loads.			



2.2 Ground floor – Laboratory Section: -

Sr. No.	Description	Observation	Remarks
1	Live load on floor	3 kN/Sq.m	Table 1, Page 11, IS 875 (Part II) 1987. Load transferred to the ground as Ground Floor.
2	Condition of flooring	Intact	No damage noted to flooring
3	Cracks seen and noted locations		
	a. Brick Masonry wall	No	No cracks noted.
	b. Columns	No	No cracks noted.
	c. Beam / Slab	No	No cracks noted
4	Damage Noted		
	a. Brick Masonry wall	No	No damage noted
	b. Columns	No	No damage noted
	c. Beam / Slab	No	No damage noted
5	Delamination of plaster / concrete	No	Delamination noted
6	Peeling of paint layer	No	No peeling of paint layer noted.
7	Dampness	No	No dampness noted.
8	Overall condition of mortar	Good	Good condition of mortar noted.
9	Condition of steel reinforcement	Not exposed	No steel reinforcement exposed.
10	Vibrations in slab / Beam	No	No vibrations felt.
11	Any Significant noting	No	-
Apparent Visual condition: Appears Structurally safe for vertical loads.			



2.3 First floor: -

Sr. No.	Description	Observation	Remarks
1	Live load on floor	3 kN/Sq.m	Table 1, Page 11, IS 875 (Part II) 1987.
2	Condition of flooring	Intact	No damage noted to flooring
3	Cracks seen and noted locations		
	a. Brick Masonry wall	No	No cracks noted.
	b. Columns	No	No cracks noted.
	c. Beam / Slab	No	No cracks noted
4	Damage Noted		
	a. Brick Masonry wall	No	No damage noted
	b. Columns	No	No damage noted
	c. Beam / Slab	No	No damage noted
5	Delamination of plaster / concrete	No	Delamination noted
6	Peeling of paint layer	No	No peeling of paint layer noted.
7	Dampness	No	No dampness noted.
8	Overall condition of mortar	Good	Good condition of mortar noted.
9	Condition of steel reinforcement	Not exposed	No steel reinforcement exposed.
10	Vibrations in slab / Beam	No	No vibrations felt.
11	Any Significant noting	No	-
	Apparent Visual condition: Appears Structurally safe for vertical loads.		

2.4 First floor -Library Section: -

Sr. No.	Description	Observation	Remarks
1	Live load on floor	3 kN/Sq.m	Table 1, Page 11, IS 875 (Part II) 1987.
2	Condition of flooring	Intact	No damage noted to flooring
3	Cracks seen and noted locations		
	a. Brick Masonry wall	No	No cracks noted.
	b. Columns	No	No cracks noted.
	c. Beam / Slab	No	No cracks noted
4	Damage Noted		
	a. Brick Masonry wall	No	No damage noted
	b. Columns	No	No damage noted
	c. Beam / Slab	No	No damage noted
5	Delamination of plaster / concrete	No	Delamination noted
6	Peeling of paint layer	No	No peeling of paint layer noted.
7	Dampness	No	No dampness noted.
8	Overall condition of mortar	Good	Good condition of mortar noted.
9	Condition of steel reinforcement	Not exposed	No steel reinforcement exposed.
10	Vibrations in slab / Beam	No	No vibrations felt.
11	Any Significant noting	No	-
Apparent Visual condition: Appears Structurally safe for vertical loads.			

2.5 Terrace floor: -

Sr. No.	Description	Observation	Remarks
1	Live load on floor	1.5 kN/Sq.m	Table 1, Page 11, IS 875 (Part II) 1987.
2	Condition of flooring	Intact	No damage noted to flooring
3	Cracks seen and noted locations		
	a. Parapet wall	No	No cracks noted.
	b. Columns	No	No cracks noted.
	c. Beam / Slab	No	No cracks noted
4	Damage Noted		
	a. Parapet wall	No	No damage noted
	b. Columns	No	No damage noted
	c. Beam / Slab	No	No damage noted
5	Delamination of plaster / concrete	No	Delamination noted
6	Peeling of paint layer	No	No peeling of paint layer noted.
7	Dampness	No	No dampness noted.
8	Overall condition of mortar	Good	Good condition of mortar noted.
9	Condition of steel reinforcement	Not exposed	No steel reinforcement exposed.
10	Vibrations in slab / Beam	No	No vibrations felt.
11	Any Significant noting	No	-
Apparent Visual condition: Appears Structurally safe for vertical loads.			