



Government College Of Engineering, Chandrapur

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Letter No GCOEC/CIVIL/TESTING/2019/MTR/3352/1367
Date: 29/08/2019

To,

The Principal
Mount Carmel Convent High School
Chandrapur.

Subject: Structural audit and Inspection for Building Stability Certificate of Buildings of Mount Carmel Convent High School, Chandrapur.

Reference: Your Letter No 373 dated: 02/08/2019

Dear Sir, we received your letter mentioned in reference requesting for "Building Stability Certificate of Buildings of Mount Carmel Convent High School, Chandrapur. Our team visited your building on 20/08/2019. The Structural Inspection and Audit Report is as follows.

Structural Inspection and Audit report of Existing Building of Mount Carmel Convent High School, Chandrapur.

Name of the building	Building of Mount Carmel Convent High School, Chandrapur
Description of Structure	Premises 1: Administrative cum Academic Building RCC Building, GF + 2 floors, 886.616 Sq M. Per Floor Total built Up Area = 2659.85 Sq. M. Premises 2: Library cum Computer room RCC Building, GF + 1 floors, 227.305 Sq M. Per Floor Total built Up Area = 454.61 Sq. M. Premises 3: New Academic Building RCC Building, GF + 2 floors, 647.006 Sq M. Per Floor Total built Up Area = 1941.02 Sq. M.
Address	Mount Carmel Convent High School, Mul Road, Shastri Nagar, Chandrapur, Maharashtra 442401
Type of Ownership	Private
Contact Person	Principal, Mount Carmel Convent High School, Mul Road, Shastri Nagar, Chandrapur, Maharashtra 442401
Inspection Date	20/08/2019
Inspected by	Prof. Rajesh T. Peche, Asst. Prof., Dept. Of Applied Mechanics, Govt. College of Engg. Chandrapur.

Observation and Evaluation Report

Sr.No.	Description	Remark
1	FOUNDATION STRATA	
1.1	Visual Inspection	Premises 1: Foundation strata is satisfactory Premises 2: Foundation strata is satisfactory Premises 3: Foundation strata is satisfactory
1.2	Settlement of Plinth	Premises 1: Not found Premises 2: Not found

		Premises 3: Not found
1.3	Settlement of Walls	Premises 1: Not found Premises 2: Not found Premises 3: Not found
1.4	Cracks in walls, Joint at Plinth	Premises 1: No cracks in walls, joints found. Premises 2: No cracks in walls, joints found. Premises 3: No cracks in walls, joints found.
2	SUPER STRUCTURE INSPECTION	
2.1	Cracks in External Walls	Premises 1: No cracks found. Premises 2: No cracks found. Premises 3: No cracks found.
2.2	Cracks in internal walls	Premises 1: No cracks found. Premises 2: No cracks found. Premises 3: No cracks found.
2.3	Leakages & dampness in external walls	Premises 1: No Leakages & dampness found. Premises 2: No Leakages & dampness found. Premises 3: No Leakages & dampness found.
2.4	Toilet leakages and cracks	Premises 1: No Leakages, dampness and cracks found. Premises 2: No Leakages, dampness and cracks found. Premises 3: No Leakages, dampness and cracks found.
2.5	Roofing Slab Inspection	Premises 1: No Leakages, dampness and cracks found at bottom of slab. But sealed cracks are observed in half part of top of slab. Premises 2: No Leakages, dampness and cracks found in top and bottom of slab. Premises 3: No Leakages, dampness and cracks found in top and bottom of slab.
2.6	Leakages & damages:-plumbing lines/waterlines, drainage lines	Premises 1: No Leakages & dampness found. Premises 2: No Leakages & dampness found. Premises 3: No Leakages & dampness found.
2.7	Flooring	Premises 1: Kota stone tiles flooring is in excellent condition. No settlement observed. Premises 2: Kota stone tiles flooring is in excellent condition. No settlement observed. Premises 3: Kota stone tiles flooring is in excellent condition. No settlement observed.
3	R.C.C./ load bearing structure	Premises 1: RCC structure Premises 2: RCC structure Premises 3: RCC structure
4	Idea about foundation strata from surrounding areas & enquiry	Foundation strata with enough bearing capacity have been observed from the surrounding area.
5	Architectural plans available	Yes
6	Rebound Hammer test to estimate the in situ compressive strength of cover concrete Equipment used: AIMIL make Concrete test hammer AIM 388	Premises 1: Slab: Average Compressive strength found 26 MPa Columns: Average Compressive strength found 27 MPa Beams: Average Compressive strength

	<p>found 25 MPa</p> <p>Premises 2: Slab: Average Compressive strength found 26 MPa Columns: Average Compressive strength found 28 MPa Beams: Average Compressive strength found 25 MPa</p> <p>Premises 3: Slab: Average Compressive strength found 27 MPa Columns: Average Compressive strength found 29 MPa Beams: Average Compressive strength found 25 MPa</p>
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Certificate of Stability

I certify that I have inspected and examined the
 Premises 1: Administrative cum Academic Building, RCC Building, GF + 2 floors, 886.616 Sq M. Per Floor, Total built Up Area = 2659.85 Sq. M.
 Premises 2: Library cum Computer room, RCC Building, GF + 1 floor, 227.305 Sq M. per Floor, Total built Up Area = 454.61 Sq. M. and
 Premises 3: New Academic Building, RCC Building, GF + 2 floors, 647.006 Sq M. per Floor, Total built Up Area = 1941.02 Sq. M. of Mount Carmel Convent High School, Chandrapur

I am of the opinion that all works of construction in all the above premises are structurally sound and stable for their use as an Academic Building.



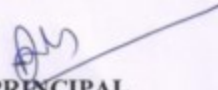
Inspected by
 Prof. R.T. Peche.

===== **END of REPORT** =====

This is for your information.

For this structural inspection and stability report the fees of amount Rs.1,32,706.40 (Fees) + Rs. 23,887.14(GST) = Rs. 1,56,593.50 was paid to the Govt. College of Engineering, Chandrapur by NEFT UTR No. N218190895151329 on dated 06/08/2019.




PRINCIPAL
 Govt. College of Engineering
 Chandrapur