



राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान

[शिक्षा मंत्रालय, भारत सरकार का एक स्वायत्त संस्थान]

सेक्टर - 26, चण्डीगढ़ - 160 019

**NATIONAL INSTITUTE OF
TECHNICAL TEACHERS TRAINING & RESEARCH**

[An Autonomous Institute of Ministry of Education, Government of India]

SECTOR-26, CHANDIGARH-160 019

ISO 9001 : 2015 प्रमाणित CERTIFIED

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Date:- 19/12/2022

Principal

Carmel Convent School,
Sector-9B, Chandigarh.

Subject: - Condition assessment and stability certificate

Reference: Your letter No CCSC/8684/2022-23 dated 20/07/2022.

Dear Sir,

As per the site inspection and test results of Non - destructive testing results of Carmel Convent School, Sector-9B, Chandigarh.

Average relative Strength of concrete corresponding to the Rebound Hammer Test

Block Name	Avg relative compressive strength corresponding to rebound hammer (N/mm ²)	Quality of Cover concrete	Concrete Grade
Primary School	18.5-23.7 N/mm ²	Good	M-20
High School	14.2-18.9 N/mm ²	Good	M-15
New Block.	14.6-32.6 N/mm ²	Good	M-25
Pre-Primary	14.7-16.9 N/mm ²	Good	M-15

Following conclusions are drawn:

- The average relative strength of concrete of corresponding to the rebound hammer test.
- The general quality of concrete is varying from medium to good corresponding to the Ultra sonic Pulse Velocity test.
- The overall quality of concrete is good, it shows the absence of corrosion, honeycombing, cracks, and voids etc. at the locations where tests were conducted.
- According to the above-mentioned test results, the constructions were carried out in accordance with IS Code specifications, and all the parameters for stability are within allowable limits.
- The drawings and designs of the buildings are also checked and found to be satisfactory as per IS codes at the time they were built.
- The occupied buildings with respect to stability, found to be in good condition.

The mentioned non-structural defects in the report must be fixed as soon as possible before that they affect the durability of concrete. This certificate is valid up to 3 years from its date of issue.

Sanjay

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