

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH
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NITTTR/CIVIL/2223

Dated: 29-06-2021

Headmistress
Govt Model High School,
Sector-7C, Chandigarh.

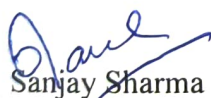
Subject:- Condition assessment and stability certificate

Reference : Your letter no GMHS-7C/2021/212 on dated 28/06/2021.

Dear Sir,

As per the site inspection and test results of Non destructive testing results of Govt. Model High School, Sector-7C, Chandigarh. Following conclusions are drawn:

- The average relative strength of concrete of Block-A varies from 22-24.5N/mm² corresponding to the rebound hammer test.
- The general quality of concrete of Block-A is in the range of good corresponding to the Ultra sonic Pulse Velocity test.
- The load carrying capacity of the slab and beams of Block-A can be calculated based on concrete grade **M20** and design is found ok as per the relevant codal provisions.
- The load carrying capacity of the column of Block-A can be calculated based on concrete grade=**M20**
- Since the quality of concrete is good, it shows the absence of corrosion, honeycombing, cracks and voids etc at the locations where test were conducted.
- As per test results mentioned above the construction is carried out as per the approved design and drawings. The existing structure design is stable as per IS Code requirement.
- The drawings and design of the Block-A building are also checked in accordance with the relevant Indian Standard Codes (with latest amendments) including Indian Standard Codes for structure resistant to earthquake.
- The occupied building with respect to stability, found to be in good condition.
- As the structure is old, it requires periodic maintenance and the defects (dampness cracks etc) identified needs to be rectified as soon as possible. Non addressee of these defects may affect the stability of the structure.


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