



NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH
SECTOR-26, CHANDIGARH-160019 (INDIA)
(Established by Ministry of Human Resource Development, Govt. of India)
EPABX: 2759500,2759514
FAX: 0172-2791366,2793893

e-mail : director@nitttrchd.ac.in

web site: www.nitttrchd.ac.in

NITTTR/CIVIL/2223

Dated: 24-06-2021

Headmistress
Govt High School,
Sector-24, Chandigarh.

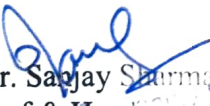
Subject:- Condition assessment and stability certificate

Reference : Your letter no GHS-24A/2021/235 on dated 18/06/2021.

Dear Sir,

As per the site inspection and test results of Non destructive testing results of Govt. 1 High School, Sector-24A, Chandigarh. Following conclusions are drawn:

- The average relative strength of concrete of Block-A varies from 22-26N/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 Block-A building with respect to stability, found to be in good condition.
- The condition of the Block-B is very bad and it is not fit for habitation, and structure is not safe.


Dr. Saajay Sharma
Prof & Head
Civil engineering Department
NITTTR Chandigarh