

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH

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(Established by Ministry of Human Resource Development, Govt. of India)

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NITTTR/CIVIL/SKS/SC

Dated: 25-07-2021

Headmistress,

Govt. Model High School-I

Dhanas, Chandigarh

**Subject:** - Condition assessment and stability certificate

**Reference:** -GMHS-I/DHANAS/UT/Chd/2021/360-364 on dated 16.07.2021.

Dear Sir/Madam,

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

- The average relative strength of concrete varies from 28-35N/mm<sup>2</sup> corresponding to the rebound hammer test.
- The general quality of concrete is in the range of good corresponding to the Ultra sonic Pulse Velocity test.
- The load carrying capacity of the slab and beams can be calculated based on concrete grade M25 and design is found ok as per the relevant codal provisions.
- The load carrying capacity of the column can be calculated based on concrete grade=M25
- Since the quality of concrete is very good, it shows the absence of corrosion, honeycombing, cracks and voids etc at the locations where tests were conducted.
- As per test results mentioned above the construction is carried out as per the approved design and drawings.
- All the building blocks were found to be in well maintained condition. The existing structure design is stable as per IS Code requirement.
- The drawings and design of the buildings 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 buildings with respect to stability, found to be in good condition.

  
Dr Sanjay Kumar Sharma,

Professor, cum In-charge,

CCT&SD,

NITTTR, Chandigarh

Department of Chandigarh