



## SANRACHNA SOLUTIONS LLP

### STRUCTURAL STABILITY CERTIFICATE

#### To Whomsoever It May Concern

It is certified that the Structural Audit of St. Martins's Diocean School at Church Road, Delhi Cantt – 110010 was audited by M/s Sanrachna Solutions LLP.

We have gone through the Non Destructive Testing of the structure and also provided our Structural Analysis input to the school which consists of our below observations.

"As per our NDT & Visual Inspection, we found that the construction of Building is more than 50 years and all the buildings are the temporary structures in which the foundation of the building is designed as temporary buildings and majority of the buildings has no columns, no beam and slabs are of temporary type (Stone slab with angle support).

According to the new codal provision of earth quakes no structure can be erected without columns and beams. From the last 20 years, there are tremendous changes in earthquake provisions.

According to IS 1893-2016 and IS456 we can not construct any temporary structure for school purpose and as per these codes, the school buildings should be designed for importance factor of 1.5 and earthquake zone 4 (As Delhi lies in Zone – 4) in which several earthquakes has occurred in the past 4-5 years, and the existing structure is not sustainable for earthquakes forces.

It is highly recommended that the whole structure is demolished or retrofitted according to new codes, because it may be hazardous to the life of Children, Teaching and Non-Teaching Staffs.

Name of Engineer: Sharad Gupta

Signature:

Date: 21<sup>st</sup> Dec 2020

Add of Engineer: 302, Ansal's Majestic Tower  
PVR Sonia Complex, Block G – 1,  
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PMC | Consulting Engineer | Construction Services.