

STRUCTURAL STABILITY CERTIFICATE

I, Adeeb Beg, Structural Engineer on the request of **Gyan Bharti School, Saket, New Delhi** - structurally audited Gyan Bharti School Buildings.

During inspection, I found that Gyan Bharti School Buildings appears to be sound from external and internal defects. Visual inspection, non-destructive/ destructive test results and structural analysis shows that buildings were built with a good constructional practice and all its members are still intact to its original positions.

Gyan Bharti School buildings don't show any visible distress like cracks, spalls, crazing, seepage, tilt, deflection beyond permissible limit etc. Also non-destructive test results show a good concrete grade. No concrete disintegration is found anywhere in structures as per testing results and no rusting of steel is found. The demand to capacity ratio results are also holds well enough upon analysis.

Seismic retrofitting wherever required as per audit findings are also done under my supervision in Block-1, Block-2, Block-3 and Block-4.

Therefore it can be easily inferred from observations/ test results & analysis that Gyan Bharti School Buildings are well maintained stable structures and sound resistant to external forces of wind & earthquake. Gyan Bharti Buildings confirms to the requirements of relevant Indian Standard Codes- IS: 456-2000, IS: 1893(Part 1)-2016 and National Building Code-2016 in respect of 'structural safety and serviceability' in general and natural hazards including earthquake in particular. Buildings are serviceable for their designed intended life.

The Gyan Bharti School would do well to get technically re- assessed all structures after maximum 5 years or whenever required for structural safety, it then so counseled.



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(ADEEB BEG)

CIVIL & STRUCTURAL ENGINEER



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