

Vinay Khurana
Structural Consultant

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Disc. No- KA_VK/02/2021/05

Date: 20/01/2022

CERTIFICATE OF STABILITY

1. NAME OF THE SCHOOL	: DAV PUBLIC SCHOOL, VASANT KUNJ
2. FULL POSTAL ADDRESS OF THE SCHOOL	: 3, SECTOR B, POCKET 1, VASANT KUNJ, NEW DELHI- 110070
3. AUDIT DECLARATION	SEISMIC EVALUATION OF THE SCHOOL BUILDING
4. SCOPE OF WORK	DETAILED PHYSICAL & NON-DESTRUCTIVE INSPECTION ALONG WITH SEISMIC ANALYSIS FOR THE PRESENT LOAD CONDITION

Reference IS Code in the Earthquake Analysis of this school Building

- IS 875-1 to 2 (1987): Code for Practice for Design Load (Dead and live-load Calculation)
- IS 456 (200): Plain and Reinforced Concrete for section size and durability factor reference
- IS-1893 (2016): Criteria for Earthquake Resistance Design of Structures
- IS13920 (2016): Ductile Detailing of Reinforced Concrete Structures Subjected to Seismic force

OUTCOME THE AUDIT REPORT: -The present form of existing structure will be fit for its operation/uses and its serviceability for exiting dead load, live load and earthquake load. So, appropriation of certificate should be considered in the context of Dead load, Live load and Earthquake load.

RECOMMENDATION FOR ENHANCING THE SERVICE LIFE: -Non-structural repair (patch repair, moisture ingress, crack stitching against the corrosion effects, joint sealing) techniques. A periodic monitoring of steel section is required at the interval of 6 months to evaluate the condition of active corrosion. In, present case no structural strengthening of building is recommended.

Name of Registered Auditor

(Vinay Khurana)

Qualification: B.E. (Civil), SDMC Registration No-SE/34

Vinay Khurana
20/01/22
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