

# Delhi Engineering Services

Converting Dreams into Reality with  
Technical Support and Supervision

(STRUCTURE AUDIT AGENT)



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Doc. No- KA\_VK/02/2021/07

Date: 25/10/2022

## CERTIFICATE OF STABILITY

1. NAME OF THE SCHOOL	:DAV PUBLIC SCHOOL, VIKASPURI
2. FULL POSTAL ADDRESS OF THE SCHOOL	: D BLOCK, VIKASPURI, NEW DELHI - 110018
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

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

**VALIDITY OF CERTIFICATE:** -1 yrs or earlier subject to revision of plan and load condition if changed earlier.

Name of Registered Auditor

(Vinay Khurana)

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

*Vinay Khurana*  
25/10/2022

**VINAY KHURANA**  
Structural Consultant  
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