

Delhi Engineering Services

Converting Dreams into Reality with
Technical Support and Supervision

(STRUCTURE AUDIT AGENT)

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Doc. No- KA_VK/02/2021/06

Date: 25/09/2022

CERTIFICATE OF STABILITY (STRUCTURAL AUDIT)

1. NAME OF THE SCHOOL	: PUSHPANJALI ENCLAVE PITAMPURA DELHI
2. FULL POSTAL ADDRESS OF THE SCHOOL	: PUSHPANJALI ENCLAVE PITAMPURA DELHI
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.

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
25/09/2022
VINAY KHURANA
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