

**OFFICE OF THE PRINCIPAL, UJJAIN ENGINEERING COLLEGE,
UJJAIN. (MP) – 456 010**



(Declared Autonomous by Govt. of M.P.)

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No./UECU/Civil/Consult/ 769 /2022,

Ujjain, Dated 24/05/2022

To,

The Principal Delhi Public school
Jaywantpura Maxi Road Ujjain (MP),
C/o Executive Engineer
Public Works Department (B & R)
Ujjain Division Ujjain (MP)

SUB : Stability Certificate of School Buildings.

REF : Your Letter DPS/UJN/ADMIN/2022/536, Ujjain, Dated 18/05/2022.

The site was visited on 24.05.2022 by Dr. A.K. Gupta, Professor, Department of Civil Engineering of the Institute.

OBSERVATIONS:

Educational Building is G+2 Building located at Jaywantpura Maxi Road Ujjain and run by **NARNARAYAN SHIKHA SAMITI BHOPAL**. Area of Building is Approximately 19500 Sq. ft. at Ground Floor, 19500 Sqft at First Floor and 10500 Sqft at Second Floor. Building is constructed in 2016.

[A] General Information:

- **Soil Type** – The Building has been constructed on Hard Morrum Soil at the foundation as reported by the society.
- **Seismic Zone** – The Building is located in seismic zone II as per seismic zoning map of India (Ref. IS 1893: 2016).
- **Usage** – Building has been utilized for the purpose of Education.

[B] Building Information:

- **Building Type** : RCC Framed & Masonry Building
- **Foundation Type** : Isolated and combined Footing has been used for the foundation.
- **Roof Type** : Building is provided with flat RC roof supported on RC Beam and Columns.

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• **Walls Type :**

- (a) Outer Walls are approximate 200mm thick made up of Burnt Brick with Cement Mortar. Inner wall 100 mm thick
- (b) Length of wall between cross walls is as per codal provisions.
- (c) Height to width ratio is as per codal provisions.

- **Seismic Provisions :** As building is located in Zone II hence not prone to severe Earthquakes.

• **Special Hazards :**

- (i) Building site is not landslide prone site.
- (ii) Severe Plan & vertical irregularities were not observed in the building.

• **Non-Structural and Structural Building Components:**

- (i) Brick Partitions are provided and stabilised against earthquake.
- (ii) Water seepage is not observed in the building.
- (iii) No Exposure of steel due to deterioration of material at edges and corners.
- (iv) No cracks have been found at various structural and non-structural components.
- (v) Shrinkage cracks were also observed at joint of beam with wall at some places.

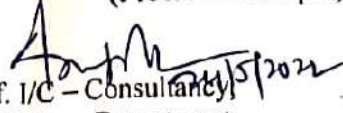
The details of foundation portion and other parts below GL are not visible or available.
The Educational building is presently functional.

CONCLUSION:

On the basis of visual observations it can be concluded that the Educational Building is structurally in upright condition and Stable.

Report prepared by :


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MPTC No. / / **Dated** / / 22__ **for Rs.**

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