

# BANGALORE UNIVERSITY

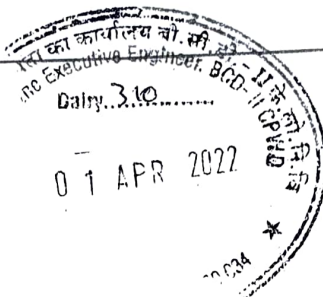
## DEPARTMENT OF CIVIL ENGINEERING

Phone Off: 080-22961945  
E-mail: ctcivil6@gmail.com

JNANA BHARATHI  
BANGALORE-560 056

Date: 25.03.2022

To,  
The Principal  
Kendriya Vidyalaya No. 2  
Air Force Station,  
Jalahalli (East),  
Bengaluru - 560014,  
Karnataka state.



Sir,  
Subject: Structural Stability/Conditional Assessment Reports report for Kendriya Vidyalaya No.2 Air Force Station, Jalahalli (East), Bengaluru - 560014, Karnataka State.

Ref: Ref No:24(4)BCD-II/2021-22/2162(H) dated: 30-11-2021

With reference to the above, request made by Kendriya Vidyalaya No.2, Air Force Station, Jalahalli (East), Bengaluru - 560014, Karnataka State, to conduct Structural Stability/Conditional Assessment. The Conditional Assessment / Non Destructive testing was carried out from 27.01.2022 to 31.01.2022 and 02-02-2022, in the presence of representatives from Kendriya Vidyalaya No.2 management. The details of structural stability of the building are as follows

### INFERENCE

The Non Destructive Test are performed as per guidelines of Indian Standards IS: 13311 (Part-2) 1992 (Reaffirmed in 2004), IS: 13311-(Part-I)-1992-(Reaffirmed in 2004) for **Rebound Hammer Test** and **Ultrasonic Pulse Velocity (UPV) Test**. Based on the Non Destructive test results and interpolating the values for Compressive strength for RCC Column, Beam, Slab and Staircase are to the range of **16-20 N/mm<sup>2</sup>**

Based on the present condition of the by Kendriya Vidyalaya No.2 and the test results. It is inferred that the building complies with safety and serviceability requirements as expected by the provisions of **Section 35 of IS 456:2000 (Indian Standard Plain and Reinforced Concrete- Code of Practice, latest Version)**

### CONCLUSIONS

The Kendriya Vidyalaya No.2 consists of Secondary School Building Block is of independent RCC Framed structures, consists of ground floor level, first floor level & second floor level, Primary School Building Block is consists of ground floor level only and the quarters buildings blocks of type A,B & C, with combined 4 flats in one block and consists of ground floor and first floor levels with RCC as roof element comply with the safety and serviceability requirements, entire building is **advisable for any tenancy or occupancy**.

**The building is safe for occupancy** as per volume 1 of **National Building code of India- 2016** guidelines.

In this Kendriya Vidyalaya No.2 general safety, light, air and ventilation are adequate as per National Building Code of India 2016, The Concrete Quality and Structural Stability of the said building complies with the requirements of the relevant IS Code of Practices. **Hence, Kendriya Vidyalaya No.2 is Safe and Sound for Usage**

**\* Validity; This Stability Certificate valid only for Three Years from 25-03-22 to 25-03-2025\***

### Note\*:

1. This certificate is issued to conduct classes in the existing building not to construct additional floor of building.
2. These results are valid for the items tested at site.

Thanking You

Yours Faithfully

*Dr. Kiran*  
Encl: NDT report  
Dr. KIRAN T  
B.E. (Civil), M.E. (Structures), Ph.D.  
Associate Professor  
Department of Civil Engineering  
UVCE, Bangalore of University,  
Bengaluru-560 056

*Dr. N. Jayaramappa*  
Dr. N. Jayaramappa  
M.E., (Structures), Ph.D.,  
Professor  
Department of Civil Engineering  
UVCE, Bangalore University,  
Bengaluru - 560 056.

*Dr. Sadath Ali Khan Zai*  
Dr. SADATH ALI KHAN ZAI  
B.E.(Civil), M.E.(Construction Tech.), Ph.D. (MSTE), MCHMGS, IASTAR  
Professor  
Department of Civil Engineering  
U.V.C.E., Jnana Bharathi,  
Bangalore University, Bengaluru - 560 056  
Email: drsadathzaiuvce@gmail.com