STRUCTURE STABILITY CERTIFICATE

The certificate to be submitted with the application for building permission with the building drawings and Building in formation Schedule attached structural drawing.

PROJECT TITLE:
ADDITION ALTERATION PLAN FOR SHRI GURU RAM RAI PUBLIC SCHOOL, VASANT VIHAR, DISTT. DEHRADUN.

1. **Location / Address of Building**
   a. Plot No:
   b. Scheme/Colony: VASANT VIHAR
   c. Town:
   d. District: DEHRADUN (U.K.)
2. **Particulars of Building**
   a. Ground Coverage (%). 15.05%
   b. Total covered area (sq. mt.). 1352.02
   c. Maximum Numbers of Floors above ground. G+1

OBSERVATIONS: It is found that Existing building and corresponding drawing has been built according to earthquake resistant design based on Indian Standards codes. I am of the opinion that the buildings are in accordance with the plans. These buildings are structurally sound and their stability will not be endangered by their use as school.

REMARKS: Building is safe and stable

Signature of owner with date & Name (Block): - PRINCIPAL SHRI GURU RAM RAI PUBLIC SCHOOL, VASANT VIHAR, DEHRADUN.

PRINCIPAL
Shri Guru Ram Rai Public School
Vasant Vihar, Dehradun (Uttarakhand)
Sch. No.: 81076, Aff. No. 2530062

Signature of the Engineer the structure.
Engineer
Name (Block): Er. SHUBHAM CHAUHAN
Address: Shop No. 1, 1st Floor, Shreeji Tower, Saharanpur Road, Majra, Dehradun.
Legible seal:

11/05/23

Er. SHUBHAM CHAUHAN
Authorised Structural Engineer
Shop No.1,1st Floor, Shreeji Tower
Saharanpur Road, Majra, Dehradun
Reg.No.DOH-UK/G-II/ASE-05/2022

STRUCTURAL SAFETY AND NATURAL HAZARD

PROTECTION OF BUILDING

Requirement specified in the following Indian standards, codes and guidelines and other documents needs to be observed for structural safety and natural hazard protection of building etc: -

1. **For General structural safety -**
   a. IS:1905-1987 Code of practice for structural safety of building.
   b. Masonry walls Indian standards institution march 1981.
   c. IS: 456-2000 code of practice for plain and reinforced concrete'' Indian standards institution, February 1985.
   d. IS:800-1984 ''code of practice for general construction in steel'' Indian standards institution, February 1985.
   e. IS:833-1966'' code of practice for design of structural Timber in building'' Indian standards institution, march 1967.

Besides any other relevant Indian standards will need to be referred to.

2. **For each quake Protection.**
   a. IS:200-1984'' code of practice for general construction in steel'' Indian standards institution, February 1985.
   b. IS:1920-1993 '' Ductile detain of reinforced concrete structures subjected to science force - code practice'' November.
   c. IS:4326-1993'' Earthquake resistance design and construction of building- code of practice (second revision) October 1993.
   d. IS:13826-1993'' Improving earthquake resistance of low strength masonry building- Guidelines'' August 1993.
   e. IS:13827-1993 '' Improving earthquake resistance of earthen. Building - Guidelines'' November 1993.
   f. '13935-1993''Repair and science strengthening of Building- Guidelines'' November 1993.
   g. ''Improving earthquake resistance of building-Guidelines by Expert Group government of Indian.
   h. Ministry of urban affairs & employment published by building material and technology protection council, 1998
   i. The national building Code of Indian-1983,

For location of the building in hazard prone area of earth quake, cyclone or windstorm and floods, reference may be made to the following:

   j. Vulnerability atlas of India by expert group government of India ministry of urban affairs & employment, published by building materials and technology promotion council 1997

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