

## 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 earth quake Protection.

- a. IS:200-1984'' code of practice for general construction in steel'' Indian standards institution, February 1985.
- b. IS:1920-1993 '' Ductile detail 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

**Note: -**

As and when anyone of the above referred standards and documents is revised, the design and construction of buildings thereafter must satisfy the latest version for approval of the building's plans by the development authority.

**Note: -**

1. Encircle the applicable data point or insert information.
  2. Stiff  $N > 30$  medium  $N = 10.3$ , soft  $N < 10$ : Liquefiable poorly graded Sands with  $N < 15$  under Water Table (see note 5 of Table In IS:1893) Where  $N =$  Standard Penetration (IS:2131-1981)
  3. Means any other specify.
  4. C=Cement, S= Sand, L= Lime
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  4. C=Cement, S= Sand, L= Lime

The above information is factually correct.

Signature of owner with date

Name (Block): -

SMT. ASHWEEN KAUR

*Ashween Kaur*  
17/02/2021

Signature of the Architect who will supervise the construction.

Name (Block): -

COA Registration NO:

Address:

Signature of the Engineer who will Supervise the construction.

Name (Block): AKHILESH BHATT

Address: PUSHP KUNJ SADAN, LANE No. 5, D BLOCK, SARASWATI VIHAR, AJABPUR KHURD, DEHRADUN, UTTARAKHAND, 248001, +91-852033158, ankit.akhileshbhatt@gmail.com

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## CERTIFICATE OF STRUCTURAL SAFETY

(The certificate to be submitted with the application for building. Permission along with the buildings drawing and Building Information Schedule)

1. Certified that the completion plan of the building submitted for approval conforms to the requirements of relevant Indian Standard Byelaws and National Building Code in respect of Structural Safety & fire safety in general and earthquake resistance in particular.
2. All safety measures have been taken for Hazardous Buildings.
3. It is also certified that building has been constructed as per approved foundation and structural designs provided by the structural Engineer where are certified to be based on relevant Indian Standard Byelaws and National Building Code and the building is safe for occupancy.

#### 4. Location / Address of Building

a Plot no.:- KH.NO.-124. PLOT NO-215

b Scheme/ colony:---- BANJARAWALA

c Town:--- CENTRAL DOON.

d District:- DEHRADUN

#### 5. Particulars of Building

a Ground Coverage:-- 48.70%

b Total Covered area (sqmt):--- 3555.4

c Maximum Numbers of floors: 3

Signature of owner with date

Name (Block): -

SMT. ASHWEEN KAUR

*Ashween Kaur*  
17/02/2021

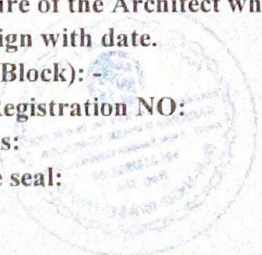
Signature of the Architect who has prepared the design with date.

Name (Block): -

COA Registration NO:

Address:

Legible seal:



Signature of the Engineer who will Supervise the construction.

Name (Block): AKHILESH BHATT

Address: PUSHP KUNJ SADAN, LANE No. 5, D BLOCK, SARASWATI VIHAR, AJABPUR KHURD, DEHRADUN, UTTARAKHAND, 248001, +91-852033158, ankit.akhileshbhatt@gmail.com

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**CERTIFICATE OF STABILITY (FOR EXISTING STRUCTURE)**

**EXISTING COMMERCIAL BUILDING PLAN OF SMT. ASHWEEN KAUR W/O SH. P.S BAGGA  
SITUATED AT. KH.NO.-124. PLOT NO-215. MAUZA BANJARAWALA PARGANA CENTRAL  
DOON.**

**DISTT. :- DEHRADUN (UK).**

**Owner's name SMT. ASHWEEN KAUR**

**Plot no.:- KH.NO.-124. PLOT NO-215**

**Scheme/ colony:--- BANJARAWALA**

**Town:--- CENTRAL DOON.**

**District:- DEHRADUN**

**NAME OF THE PROJECT CONSULTANT: -**

**Particulars of Building**

**a Ground Coverage:--- 48.70%**

**b Total Covered area (sqmt):--- 3555.4**

**c Maximum Numbers of floor: 3**

**DATE OF INSPECTION: - 16 February 2021**

**OBSERVATION: -It is found that existing building and corresponding drawing has been built according to earth quake resistant design based on IS - 456 - 2000, IS - 1893 -2005 & 13920-2007.**

**REMARKS: - Building is safe and stable.**

**Signature of owner with date**

**Name (Block): -**

**SMT. ASHWEEN KAUR**

*Ashween Kaur*  
17/02/2021

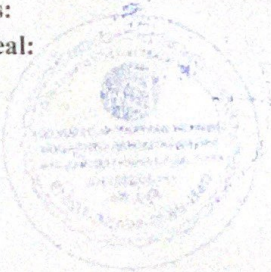
**Signature of the Architect who inspected the site.**

**Name (Block): -**

**COA Registration NO:**

**Address:**

**Legible seal:**



**Signature of the Engineer who inspected the site.**

**Name (Block): AKHILESH BHATT**

**Address: PUSHP KUNJ SADAN, LANE No.**

**5, D BLOCK, SARASWATI VIHAR,**

**AJABPUR KHURD, DEHRADUN,**

**UTTARAKHAND, 248001, +91-852033158,**

**ankit.akhileshbhatt@gmail.com**

**Legible seal:**

