

STRUCTURAL SAFETY AND NATURAL HAZARD PROTECTION OF BUILDINGS

Requirements 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.

(a) For General Structural Safe: -

01. IS 1905-1987 "Code Of Practice For Structural Safety Of Building.
02. Masonry Walls "Indian Standards institutions, March 1981.
03. IS 456-2000 "Code of practice for plain and Reinforced Concrete" Indian Standard Institution February 1985.
04. IS 800-1966 "Code of Practice for general Construction in Steel" Indian Standard Institution February 1985.
05. IS 883-1966 "Code of Practice for Design of Structural Timber in Building Indian Standards Institution March 1967.

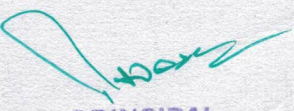
Besides any other relevant Indian Standards will need to be referred to.

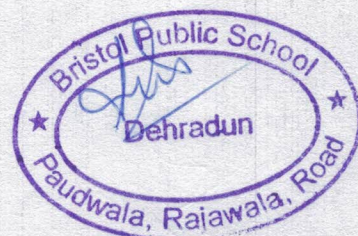
(b) For Earthquake Protection

- 06 IS 800-1984 "Code of practice for general Construction in steel " Indian Standards Institution February, 1985.
- 07 IS 13920-1993 "Ductile Detting of Reinforced Concrete Structures subjected to seismic force- Code of practice" November.
- 08 IS 4326-1993 "Earthquake Resistant Design and Construction of Building code of practice (Second Revision October 1993).
- 09 IS 13826-1993 "Improving earthquake Resistance of low strength masona building guidelines.
- 10 IS 13827-1993 "Improving Earthquake Resistance of Earthen Building Guidelines "October 1993.
- 11 IS 13935-1993 "Repair and seismic strengthening of Building-Guidelines "November 1993.
- 12 "Improving Earthquake Resistance of Buildings-Guidelines "by Expert Group Government of India, Ministry of Urban Affairs & Employment published by Building Materials and Technology Protection Council. 1998.
- 13 The National Building Code of India 1983

For location of the building in hazard prone area of earthquake cyclone or windstorms and floods. Reference may be made to the following: -

- 14 "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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Note: -

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

Notes: -

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

The above information is factually correct

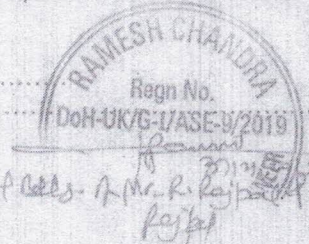
[Handwritten signature]
Ashish

Signature of Owner with date

Signature of the Engineer will supervise the construction.

Name (Block) 1) SH. R. RAJPAL.....
2) SH. ASHISH RAJPAL

Name (Block).....
Legible Seal (With address)



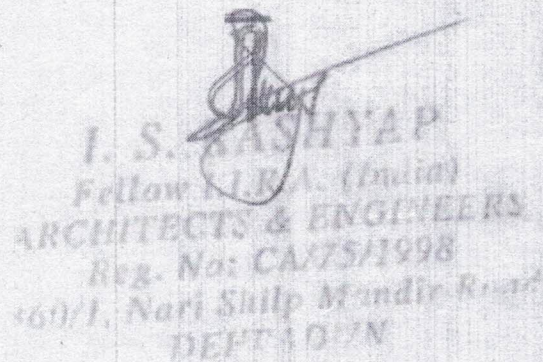
School Bldg. - A. Mr. R. Rajpal & Sh. Ashish Rajpal

Signature of the Architect who has supervised the construction

Name (Block).....

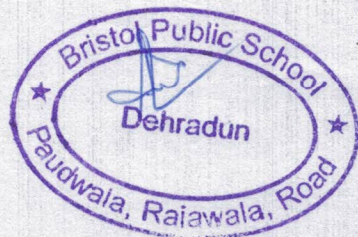
COA Registration No.....

Legible Seal(With address).....



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CERTIFICATE

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

- 01. Certified that the building plans submitted for approval also satisfy the safety submitted for approval also satisfy the safety requirements as stipulated in the Indian Standard, Coded, Guidelines and document specified in the annexure-1 of Bye-laws regarding earthquake safety awareness and the information given in the attached Building Information Schedule. 15factually correct to the best of my knowledge and understanding.
- 02. It is also certified that the structural design including safety from natural hazards including Earth Quake has been prepared by duly qualified graduate Civil Engineer along with Post Graduate Diploma or Degree in Structural Engineering from a recognized University.

02. Location/Address of Building

Plot No. Kh. No. 136 ME, 137 ME, 138 ME, 142 ME, 143, 145 ME, 171 ME,
 Scheme/Colony Mauz. Paudwala 146 ME, 142 KH, 148, 170, 172, 174 KH, 242 K
 Town Pargana Pachwadoon 78, 79, 138 ME, 142 ME, 171 ME, 174 ME
 District Dehradun

04. Particular of Building

- I Ground Coverage (sq mt) 19.30
- II Total covered area (sq mt) 4393.10
- III Maximum number of floors above ground . 02 (Two floor only)

Signature of Owner with date

Signature of the Structural Engineer who Has prepared the design with date

Name (Block) 1) SH. R. Rajpal

Name (Block).....

Address: 2) SH. ASHISH Rajpal

Legible Seal: (with address)

Mauza Paudwala Pargana Pachwadoon

Dist - Dehradun

Signature of the Architect who has prepared the design with date

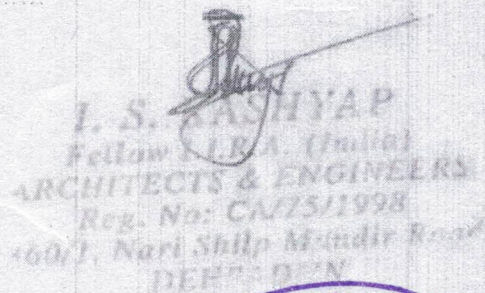
Name (Block).....

COA Registration No.....

Legible Seal (With address).



Handwritten signature of Ashish Rajpal



Handwritten signature of Principal

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