

1. Building Address :-

2. Building function & Locations :- School Building2.1 Use Institutional Commercial Industrial Residential2.2 Importance Ordinary Import Hazardous IS:1893

2.3 Seismic Zone

Design Intensity Used V(IX) IV(VIII) III(VIII) II(VI) IS:189320023. Design EQ Factor a0= I=..... B=. ah=..... IS:1893 2002

4. Foundation

4.1 Soil type at site (Note-2) Rock/ Medium Soil/ Soft Soil liquefiable Expensive (B.C.) IS:19044.2 Type of Foundation Strip Indiv. Col. Footings/Raft Bearing Piles Friction Piles IS:18935. Load Bearing Wall Buildings N.A.5.1 Building Category (ah<05) (B(ah=.05to06) C(ah.06to<08) D(ah.08 to<0.12) E(ah>0.12) IS:43265.2 Bearing Walls Brick Stone Solid Block Hollow Block Adobe5.3 Mortar (note-4) C:S=1:..... C:L:S = 1:..... L:S:I..... Clay Mud *5.4 Floors RC Slabs Stone Slabs on joists Prefab Flooring elements5.5 Roof Structure Flat like floors/pitches Trussed/Raftered/A Frame/Slopping R.C. Slab5.6 Roof covering CGI Sheetting AC Sheetting Clay tiles/Slate Wood Shingle *5.7 Opening in walls Control used on sizes? Control used on location? Strengthening around? IS:4326Yes/No/NA Yes/No/NA Yes/No/NAIS:138285.8 Bands Provided Plinth Band Lintel Band Roof/Eave Band Global Band Ridge Band -do-5.9 Vertical Bars At corners of rooms At jambs of Openings --do--5.10 Stiffening of Prefab R.C. Screed & Bands Peripheral band & Diagonal planks IS:4326Floors/Roofs Connectors all round band Steel/R.C. framebuildings1. Building Shape Both axes near symmetrical One axis near symmetrical/Unsymmetrical (Torsion considered)2. Infills/Partitions Out of plane stability check? Yes/No in plane stiffness considered? Yes/No IS:1893 IS:43263. Ductile Detailing of Beams? Columns? Beam columns joints? Sheer Walls?IS:13920RC Frames Yes/No Yes/No Yes/No Yes/No4. Ductile Detailing of Beams? Beam columns joints? SPG (6)Steel Frames Yes/No Yes/No

(Abhinav Krishna Sharma)

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शैफुल्लि हाई स्कूल, हरिद्वार
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सलेमपुर महदूद-2
बहादुराबाद. जेरिलार

Notes:

1. Encircle the applicable Data point or insert information
2. Stiff $N > 30$: Medium $N = 10.3$ Soft. $N < 10$: Liquefiable, poorly graded.
Sand with $N < 15$ under water Table (Sec Note 5 of Table 1 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 factuality correct.

Signature of the Engineer

Name (Block) **Er. Shahzad Ali**

Legible Seal:

(with Address)

Er. Shahzad Ali
Authorised Structure Engineer
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STRUCTURAL SAFETY AND NATURAL HAZARD PROTECTION OF BUILDINGS

requirement specified in the following Indian Standard Codes and guidelines and other documents need to be observed for structural hazard protection of building etc.

(a) FOR GENERAL STRUCTURAL SAFETY

1. IS: 1995 & 1987" Code of practice for structural safety of buildings Masonry Wall Indian Standard Institutions, March 1981.
2. IS: 1904 – 1978" code of practice for structural safety of buildings: Foundation" Standard Institutions.....
3. IS: 456 - 2000" Code of practice for plain and reinforced concrete" Indian Standard Institutions, September 2000.
4. IS: 800 - 1984" Code of practice for general construction in steel Indian Standard Institutions, February 1985.
5. IS: 883 -1966" Code of practice for design of structural Timber in building" Indian Standard Institutions, March 1967.

Besides , any others relevant Indian Standard will need to be referred to

(b) FOR EARTHQUAKE PROTECTION

6. IS: 1893 & 1993" CRITERIA FOR Earthquake Resistant of structures (Fourth Revision)" June 1986.
7. IS: 13920 - 1993" DUCTILE FOR detailing of reinforced Concrete Structures subjected to Seismic forced-code of practice" November 1993.
8. IS: 4326 & 1993" Earthquake Resistant Design & Construction of Buildings -Code of practice (Second Revision)" October 1993.
9. IS: 13828 & 1993" Improving Earthquake Resistance of Low Strength Masonry buildings guidelines" August 1993.
10. IS: 13827 & 1993" Improving Earthquake Resistance of Earthen buildings guidelines" October 1993.
11. IS: 13935 & 1993" Repair & Seismic strengthening buildings guidelines" November 1993.
12. Improving Earthquake Resistance of buildings guidelines by Experts Group" Government of India, Ministry of Urban Affairs & Employment, Published by Buildings Materials and Technology Promotion Council 1998.
13. The National Building Code of India 1983

For Location of the building in hazard prone area of earthquakes, cyclone or wind storm and floods, reference may be made to following.

14. " Vulnerability of India, by Expert Group ' Government of India, Ministry of Urban Affairs & Employment, published by Materials and Technology Promotion Council 1997.

NOTE:- As and when anyone of the above referred and documents is revised, the design and construction of buildings thereafter must satisfy the latest version for approval of the building plans by the concerned local authority.

(Abhinav Krishna Sharma)

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सलेमपुर महदूद-2
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CERTIFICATE

1. Certified that the building also satisfy the safety requirements as stipulated in the Indian Standard Codes, the information given in the attached Building Information Schedule, is Factually correct to the best of my knowledge & understanding.
2. It is also certified that the structural design including safety from natural hazard 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.
3. Location/Address of Building SHEPPFIELD SCHOOL HARIDWAR
 Plot No.- 1824 GANGOTRI ENCLAVE PHASE-3
 Scheme/Colony- SALEM PUR MAHDOOD-2
 Town- BAHADRAABAD
 District- HARIDWAR
4. Particulars of Building
 1. Ground Coverage (Sq. m.) 666.00 Sq. m.
 2. Total covered area (Sq. m.) 2664.00 Sq. m.
 3. Maximum Numbers of Floors above Ground floor – G+ 2 R.C.C floor and 1 Shed.

Signature of the Structural Engineer

Signature of Owner

Name(Block) Er. Shahzad Ali

Name(Block).....

Legible Seal:

(with Address)

Er. Shahzad Ali
 Authorised Structure Engineer
 Regd No. DOH UKG-11HSE-02/2025
 Email: shahzadali620200@gmail.com
 Mob. 8445317169

Address.....

396, HARIDWAR ROAD
RISHIKESH

Signature of the Architect

Name(Block)- Ar. SAMEER GUPTA

COA Registration No.-2011/54138

Legible Seal:

(with Address)



(Abhinav Krishna Sharma)
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