

**Er. HARJINDER SINGH BHATIA**

B.E, C.E (I), M.I.E, F.I.V  
Government Approved Valuer, Loss Assessor & Chartered Engineer

**Chartered Engineers**

Approved By Govt. of India & Ministry of Finance  
Certified structural auditor

**STABILITY CERTIFICATE (FORM NO. 1-F)**

Date:06/01/2026

Ref: CVCE: J26 SGNS

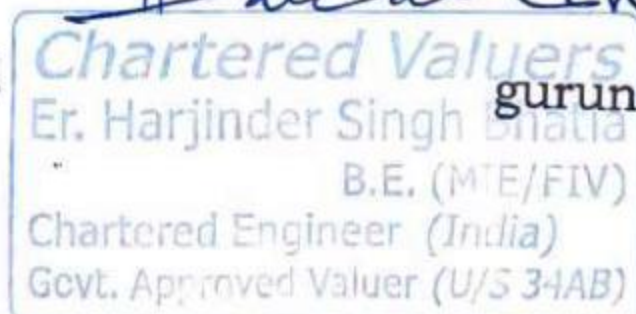
This is to certify that, pursuant to the request received from the client, I have personally visited the site, carried out a physical inspection, and examined and verified the present condition of the building described below.

I am satisfied that the construction methods adopted and the finished building conform to the relevant building bye-laws, and that the structure is expected to perform satisfactorily in terms of stability, provided it is used as per the approved design and specifications.

**The structural Assessment was done in following parts,**

- \* A visual survey was conducted, providing an understanding of the current condition of the existing structural elements and the identification of distressed areas.
- \* Non-Destructive Testing was undertaken to determine the existing condition and strength of the structural members and materials.

<b>1 School Name</b>	Guru Nanak Khalsa Sr. Sec. School
<b>2 School ID</b>	23018
<b>Affiliation No</b>	263003
<b>3 School category</b> (Pre-Primary - A, Primary- B, Secondary - C, Higher secondary - D)	C/Secondary
<b>4 Address</b>	Sector 30 B, Chandigarh
<b>5 GPS Coordinates of School</b>	
<b>Latitudes:</b>	30°42'56.66868"
<b>Longitudes:</b>	76°47'28.36752"
<b>6 Communication System</b>	
<b>a) Telephone</b>	0172-2654693
<b>b) Fax</b>	0172-5030579
<b>c) Internet / Email</b>	gurunanak_30b@rediffmail.com
<b>7 School Area</b>	
<b>a) Plot Area:</b>	27937.963 Sqyd
<b>b) built up Area</b>	33740 Sqft

*Harjinder Singh Bhatia*  
  
 Er. Harjinder Singh Bhatia  
 B.E. (MTE/FIV)  
 Chartered Engineer (India)  
 Govt. Approved Valuer (U/S 34AB)

**Er. HARJINDER SINGH BHATIA**

B.E, C.E (I), M.I.E, F.I.V

Government Approved Valuer, Loss Assessor & Chartered Engineer

**Chartered Engineers**

Approved By Govt. of India & Ministry of Finance  
Certified structural auditor

<b>8</b>	<b>Number of (indicate as per shift)</b>	Single Shift
a)	<b>Pupils</b>	1800
b)	<b>Teachers</b>	54
c)	<b>Other Staff</b>	18
d)	<b>Physically challenged staff</b>	NIL
<b>9</b>	<b>Number of Rooms</b>	
a)	<b>Class Rooms</b>	45
b)	<b>Other Rooms</b>	18
<b>10</b>	<b>Passage and Veranda</b>	
a)	<b>Width of Passages (Less than 1.5m)</b>	2 Mtr
b)	<b>Veranda Area (In m2)</b>	
<b>11</b>	<b>Width of Stair flight (m)</b>	2.15 Mtr
<b>12</b>	<b>Number of Exit</b>	Three
<b>13</b>	<b>Compound Wall (Yes/No)</b>	Yes
	<b>Height/Type of wall</b>	7 Ft High /9" Thick Rrick Wall in CS Mortar, plastered from inside
<b>14</b>	<b>Year of Construction</b>	
<b>15</b>	<b>Plan shape : U Shape (Site views/detail attached)</b>	
<b>16</b>	<b>Number of storeys :</b>	Maximum to G+2
a)	<b>Basement (Yes / No )</b>	NO
b)	<b>Storeys</b>	G+1
	<b>Two Block</b>	G+2
	<b>One Block</b>	NO
c)	<b>Mezzanine (Yes / No)</b>	NO
<b>17</b>	<b>Typical storey height (m)</b>	3.7 Mtr
<b>18</b>	<b>Stilt at Ground floor: (Yes/No)</b>	NO
<b>19</b>	<b>Type of load carrying system :</b>	Conventional load bearing brick wall structure supported on RBC Coloumns & RCC Beams/Lintels with concrete slab flooring/roofing over.
a)	<b>Stone Masonry Bearing walls</b>	
b)	<b>Brick Masonry Bearing walls</b>	
c)	<b>RCC Frames</b>	
d)	<b>Steel Structure</b>	
e)	<b>Other (elaborate)</b>	

*Harjinder*  
Chartered Valuers  
Er. Harjinder Singh Bhatia  
B.E. (MIE/FIV)  
Chartered Engineer (India)  
Govt. Approved Valuer (U/S 34AB)



**Er. HARJINDER SINGH BHATIA**

B.E, C.E (I), M.I.E, F.I.V  
Government Approved Valuer, Loss Assessor & Chartered Engineer

**Chartered Engineers**

Approved By Govt. of India & Ministry of Finance  
Certified structural auditor

**20 Partition walls :**

Reinforced concrete/ Wood/  
Masonry/  
Mixed/ Other( Specify)

9" Thick Brick Wall in CS Mortar

**21 Floor slabs :**

Reinforced concrete /  
Wood/Other(Specify)

Reinforced Concrete Slab with tile  
terracing over

**22 Floor Finish:**

Wood/ Ceramic/ Mosaic /IPS/  
Other(specify)

CC Flooring inside Class rooms &  
Kota/Marble tile flooring at  
administrative/office block

**23 Roof :**

Reinforced concrete flat roof/  
Reinforced concrete sloping  
roof/Wood/Asbestos/Metal  
sheets/ Other(Specify)

6" Thick Reinforced concrete flat roof with  
waterproofing and tile terracing.

**24 Seismic/other disaster safety  
features in the building(in case  
of masonry)**

Building seems to possess the entire four  
main attributes, namely simple and  
regular configuration, adequate lateral  
strength, stiffness and ductility as per IS  
1893 (2002): Criteria for Earthquake  
Resistant Design of Structure. Buildings  
as inspected had simple regular  
geometrical shape and uniformly that  
could distribute mass and stiffness in  
plan as well as in elevation.

a) Proper framing grid of more  
than 3 frames of min 3 bays each  
in both direction

b) Max cantilever projection (m)

c) Any floating columns? If yes,  
give details

Building supported on RBC columns and  
RCC framed beams in both direction.No  
floating column/projection seen

**25 Quality of Building**

**Workmanship**

**Maintenance**

**Grade on a scale of 5, (5 for  
excellent and 1 for poor)**

Good

Good

*Harjinder Singh Bhatia*  
Chartered Valuers  
Er. Harjinder Singh Bhatia  
B.E. (M.E./FIV)  
Chartered Engineer (India)  
Govt. Approved Valuer (No. 34AB)

**26 Methodolgy Adopted**

Subsequent to Rapid Visual Screening (RVS) assessment across five key  
domains, the structure was randomly subjected to Non-Destructive Testing.

**Er. HARJINDER SINGH BHATIA**

B.E, C.E (I), M.I.E, F.I.V  
Government Approved Valuer, Loss Assessor & Chartered Engineer

**Chartered Engineers**

Approved By Govt. of India & Ministry of Finance  
Certified structural auditor

Rebound Hammer testing, along with the Glass Strip Test, was performed to evaluate surface hardness and indicative strength of RCC slabs and columns. The average rebound numbers were within permissible limits, reflecting satisfactory concrete quality, and the glass strip remained intact., that reflects good layer & strength.

- 27 Any Existing visible damages (Yes/No)** No Visible Damage  
**If yes: Description**
- 28 Last repair & reconstruction works** Concurrent Maintenance only  
**a) Repaired (Year)**  
**b) Strengthened (Year)**
- 29 Fire Protection** Yes, System Installed  
**a) High voltage electric transformers not protected within campus or 25m periphery of school** NO  
**b) Loose electric wares within campus and not fenced** NO  
**c) Any highly flammable/ hazardous goods lying in the school or surrounding buildings** NO  
**d) Petrol Pump (25m periphery of school)** NO  
**e) Fire fighting system (Yes / No)** YES, Plant Installed as per UT administration guidelines
- 30 Surroundings of School**  
**High Rise/Low Rise Buildings** Low rise Residential area  
**Traffic** Normal for residential
- 31 Technical documentation available** YES
- 32 Site - Soil conditions :**  
Rock/Firm/Medium/Soft
- 33 Slope :Flat /Slight slope /Moderate slope/Steep slope**
- 34 Seismic exposure :**  
**a) Seismic Zone**  
**b) Unknown** Zone-IV

Firm

Flat

Zone-IV

*Harjinder*  
**Chartered Valuers**  
Er. Harjinder Singh Bhatia  
B.E. (MTE/FIV)  
Chartered Engineer (India)  
Govt. Approved Valuer (J/S 34A3)

**Er. HARJINDER SINGH BHATIA**

B.E, C.E (I), M.I.E, F.I.V  
Government Approved Valuer, Loss Assessor & Chartered Engineer

**Chartered Engineers**

Approved By Govt. of India & Ministry of Finance  
Certified structural auditor

**35 History of Disaster** (Mention month, year, frequency and damages due to the disaster)

- a) Earthquake  
b) Cyclone c) Floods d) Fire

Except some mild cracks on the wall of the sector 42 indoor stadium after the earthquake in Chandigarh on 8/10/2005, there is nothing more instance available in entire city.

**36 Awareness in School**

- a) Among Teachers b) Among Students c) Any Formal course/training for disasters

Yes as Continuous awareness/sensitization programmes for the stakeholders and the general public are regularly organised by admnistration.

**37 Photographs**

ANNEXURE attached

**38 Remarks & recommendations (Yes /No)**

**Yes, fit to be used for the purpose building is constructed.**

The building has been verified for soundness with reference to applicable building bye-laws and relevant BIS and Indian Standard Codes of Practice. The construction has been carried out as per the sanctioned plans, and the workmanship and materials used are in accordance with the approved specifications.

**Following are the Highlighted Summary Points of the Structural Assessment:-**

De bonded external plaster was observed.

Carbonation of Concrete was observed at some points

***The core compression test results are satisfactory, based on the assumption that the design concrete grade during construction was M20.***

***The majority of the structural members of the existing structure are observed to be in good and serviceable condition.***

Regular and timely maintenance of the structural members is essential to enhance the building's performance and extend its service life.

**The evaluation study comprised of the following:**

Preparation of Architectural / Structural drawings furnished if any.

Carrying out detailed site inspection survey

Carrying out field evaluation test

Rebound Hammer Test to assess the surface hardness

External repair/ painting work is in progress at the time of external inspection

*Harjinder Singh Bhatia*  
Chartered Valuers  
Er. Harjinder Singh Bhatia  
B.E. (MIE/FIV)  
Chartered Engineer (India)  
Govt. Licensed Valuer (U/S 34AB)



**Er. HARJINDER SINGH BHATIA**

B.E, C.E (I), M.I.E, F.I.V

Government Approved Valuer, Loss Assessor & Chartered Engineer

**Chartered Engineers**

Approved By Govt. of India & Ministry of Finance  
Certified structural auditor

## RECOMMENDATIONS

Water stagnation should be avoided in future causing algae & fungal growth in rains.

Bulging of plaster at balcony portion should be properly treated. Entire damaged plaster should be removed properly and exposed corroded steel reinforcements treated with anticorrosion treatment.

Separation cracks between masonry wall & RCC columns/beams should be filled by epoxy injection using low viscosity grout.

**Based on the above study, it is concluded that the existing structural units of Guru Nanak Khalsa Sr. Sec. School, in their present condition, are structurally adequate to resist the prevailing gravity load combinations and are fit to be utilized for the purpose for which the building was constructed.**

**All most all the Non Destructive Test Results are in the Range of acceptable Limit as per the specific Indian Codes of Standards.**

Subject to the proper execution of the recommended strengthening measures under the guidance and supervision of qualified and experienced technical personnel or agencies, the building will become structurally sound and safe for the intended purpose.

**In my professional opinion, the building has been constructed as per the plans approved by the competent authority and is structurally sound and safe in all respects, and fit for its intended use. Nevertheless, localized repair and restoration measures are recommended at certain distressed areas.**

This certificate is issued with the clear understanding that the undersigned shall cease to bear any responsibility for the structural stability and performance of the building in the event of any additions, alterations, change in loading, or structural modifications to the structural frame being carried out without prior consultation and approval of a qualified structural engineer, or due to accidental damage or tampering by users or occupants for any reason whatsoever.

## DECLARATION:

I/We, hereby, declare that:

The information furnished above is true and correct to the best of our knowledge & belief;

I have no direct or indirect interest in the property

I have personally inspected the property.

This report does not cover the Legal aspects.

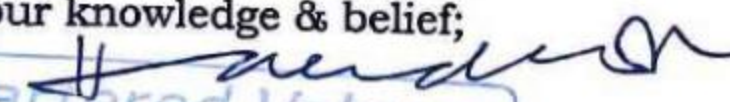
Date: 06/01/2026

## REFERENCES:

Structures.

Indian Standard Evaluation & Strengthening of Existing Buildings IS 15988:2013

IS 1893 (2002): Criteria for Earthquake Resistant Design of Structure

  
Chartered Valuers  
Er. Harjinder Singh Bhatia  
B.E. (MIE/FIV)  
Chartered Engineer (India)  
Govt. Approved Valuer (U/S 34AB)