Buildings (DK)

Surveyor ID

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4) Building Assessment General - Perimeter walk around

» General Building Info

District:

- ◯ Bhaktapur
- ◯ Dhading
- ◯ Dolakha
- ◯ Gorkha
- ◯ Kathmandu
- ◯ Kavre
- ◯ Lalitpur
- ◯ Makwanpur
- ◯ Nuwakot
- ◯ Okhaldhunga
- ◯ Ramechap
- ◯ Rasuwa
- ◯ Sindhuli
- ◯ Sindhupalchwok

VDC / Municipality

EMIS School/College Code

Last 4 digit of school/college code

4.1) Block Reference

A school campus is made up of a number of school/college buildings which are referred to as "Blocks". Each Block has a reference code (e.g. A or B or AA or AB etc.)

code (e.g. AA for Bo, AA for AB etc.)

District: VDC: Building Reference No : EMIS-

Please verify the Building Reference No.

☐ Yes

Take photo of front elevation

GPS Coordinates

GPS coordinates can only be collected when outside.

latitude (x.y °) longitude (x.y °) altitude (m) accuracy (m)

4.2) Initial Assessment of Condition State of Block

- ◯ Site clear
- ◯ Rubble
- ◯ Partial Collapse
- ◯ Damage or deterioration to building structure
- ◯ Damage or deterioration to infill walls
- ◯ Damage or deterioration to non-structural building components
- ◯ Minor/cosmetic damage to building
- ◯ Under construction
- ◯ Unaffected

Comment

Take photo

4.3) School/College Block - grades

Select each and all education grades being taught in the block

- [ ] ECD (Kindergarten)
- [ ] Primary
- [ ] Lower Secondary
- [ ] Secondary
- [ ] Higher Secondary
- [ ] Higher Education
- [ ] Don’t know
- [ ] Other

Another EMIS of the school/college

Last 4 digit of school/college code

_____

4.4) Number of pupils using Block pre-earthquake

For spaces like canteens, libraries, etc, estimate the typical number of occupants

_____

4.5) Number of Rooms in Block

Classrooms

_____

Library

_____

Hall

_____

Computer rooms

_____

Office

_____

Canteen

_____

Lab

_____

Other

_____

4.6) Input Information

Select one or more appropriate option

- ☐ Drawings
- ☐ Hazard data
- ☐ Reports
- ☐ Previous assessments
- ☐

- [ ] Retrofit Design
- [ ] None
- [ ] Other

Specify other.

Take photographs of drawings if possible

Provide details of information and who holds the information

Take photographs of hazard data if possible

Provide details of information and who holds the information

Take photographs of reports if possible

Provide details of information and who holds the information

Take photographs of previous assessment if possible

Provide details of information and who holds the information

Take photographs of drawings if possible

Provide details of information and who holds the information

4.7) Tag Colour

- ◯ Red all stories
- ◯ Green
- ◯ Mixed
- ◯ None identified

Comment

Take Photo

4.8) Year of Construction Initiation (BS)

Year started

4.9) Year of Construction Completion (BS)

Year Completed

Comment

4.10) Primary Funders

Select one or more appropriate option

- [ ] EAARRP (Earthquake Affected Areas Reconstruction and Rehabilitation Project)
- [ ] BPEP I (Basic and Primary Education Project I)
- [ ] BPEP II (Basic and Primary Education Project II)
- [ ] EFA (Education For All project)
- [ ] JICA
- [ ] DoE/MoE
- [ ] UGC
- [ ] DDC
- [ ] VDC
- [ ] NGO/INGO
- [ ] Community
- [ ] School
- [ ] College
- [ ] Don’t know
- [ ] Other

Specify other.

4.11) Building Constructed by?

- ◯ Community
- ◯ Contractor
- ◯ Other

Specify other.

4.12) History of additions or modifications to original building

Comment on any modifications - it would be useful to mark any modifications on plan and elevation sketch .(Select one or more appropriate option)

- [ ] Additional Stories
- [ ] Extension on plan
- [ ] Change in occupancy
- [ ] None identified
- [ ] Other

Specify other.

_____

Comment

_____

4.13) Has the school/college building block been retrofitted prior to the earthquake?

- ◯ Yes
- ◯ No
- ◯ Don’t know

Comment

_____

4.13.1) If retrofitted, what year was this undertaken?

year

_____

4.13.2) What was the retrofitting intervention ?

_____

4.13.3) Who designed the retrofitting intervention

_____

4.14) Are there buildings less than 1 meter away?

This applies to buildings within or outside the school campus site

- ◯ Yes
- ◯ No

Comment

_____

Take photo

4.14.1) What is the smallest gap between this school/college block and adjacent buildings ?

In meter

_____

Take photo

4.15) Is the building accessible for people with disability (includes students and adults with difficulties of mobility, such as people in wheelchairs)?

- ◯ Yes, fully accessible
- ◯ Yes, but only the ground floor is accessible
- ◯ No

Specify the areas that are not accessible, if any, including the reason why there is no accessibility.

_____

Take photo

Specify any measures undertaken to improve the mobility of people with difficulties of mobility, if any.

_____

Take photo

4.16) Non-structural component damage

Select one or more appropriate option

- [ ] Window frame
- [ ] Window glass
- [ ] Ceiling
- [ ] Canopy
- [ ] Parapets
- [ ] Pediments
- [ ] Wall Plaster
- [ ] Floor finish
- [ ] Desk and chair
- [ ] Cabinet and shelves
- [ ] Doors
- [ ] None identified
- [ ] Other

Specify other.

Comment

Take photo

» » Damage

4.17) Is the building noticeably out of plumb ?

If yes then do not enter the building

- ◯ Yes
- ◯ No

Comment

Take photo

4.18) Has the building been judged safe to enter?

As a surveyor walking around the building have you made the decision that the building is safe to enter to continue the survey. It is the responsibility of the Senior Surveyor to make the final decision about whether the Building is safe to enter to continue the SIDA survey.

- ◯ Yes
- ◯ No

Comment

4.19) Note if access was restricted to the following areas:

- ◯ Whole building perimeter not accessible
- ◯ Some restricted access to internal rooms
- ◯ Few internal rooms were accessible
- ◯ Certain floors inaccessible
- ◯ All Building accessible

Certain floors inaccessible

Please specify the floors and/or areas inaccessible or restricted.

4.20) Plan characteristics

- ◯ Enclosed courtyard
- ◯ Rectangular long and narrow - ratio width:length is more than 1:3
- ◯ Rectangular / square compact - ratio width:length is less than 1:3
- ◯ L - Shaped
- ◯ C - Shaped
- ◯ H - Shaped
- ◯ T - Shaped
- ◯ E - Shaped
- ◯ Other

Specify other.

Take photo

4.21) Is the building more than 1 storey ?

- ◯ Yes
- ◯ No

4.21.1) Geometry of elevation

- ◯ Irregular Geometry (set backs or overhangs at upper storeys)
- ◯ Regular elevation geometry

4.21.2) Variation in storey height

Does one storey have a height over 20% of adjacent storey

- ◯ Yes
- ◯ No
- ◯ Don’t know

4.21.3) Mass irregularity

There shall be no change in effective mass more than 50% from one storey to the next. Light roofs, penthouse, and mezzanine floors need not be considered.

- ◯ Yes
- ◯ No
- ◯ Don't know

4.21.4) Proportion of columns that continue from foundation to roof

Exceptions: columns do not need to extend to a top storey of a masonry building

- ◯ All columns
- ◯ 85 - 99%
- ◯ 50 - 84%
- ◯ 0 - 49%
- ◯ N/A (no columns)

4.21.5) Proportion of walls that continue from foundation to roof

- ◯ All walls
- ◯ 85 - 99%
- ◯ 50 - 84%
- ◯ 0 - 49%

4.22) Foundation Regularity

- ◯ Foundation at different levels/sloping site with foundations at different elevations
- ◯ Foundation at same level

Comment

General Note: If there are more than one structural typology in plan for one Block (i.e. plan additions with different structural types), then fill out a different Building Piece form for each with different IDs as follows: EMIS number-Block Ref-piece # (e.g EMIS200120006 -A-01 and EMIS200120006 -A-02 etc.). A building with only one structural typology in plan would be labelled - EMIS number-Block Ref (e.g. EMIS200120006 -A-01).

4.23) Is there more than one structural typology in plan?

- ◯ Yes

◯ No

Number of building block pieces

_____

» » Building Block Pieces

4.24) Piece reference 1

Each piece should be referenced;

Piece number e.g. 01 or 02 etc.

A building with only one structural typology in plan and therefore one building piece would be labelled - 01

_____

4.25) Sketch Plan

Sketch plan of building (block) and take photograph of the sketch. Mark on plan the different building pieces (any extensions, different strutural typologies and year of construction), key plan dimensions (including length, width, distance between columns/bays/transversal load bearing walls).

Take photo of sketch

Comment

_____

4.26) Sketch Elevation

Sketch and photograph each elevation and the sketch. Mark on the elevation the different building pieces (any extensions, different structural typologies and year of construction), storey levels, roof, key dimensions (including length, height, distance between columns/bays/transversal load bearing walls). Take front elevation and sketch from this and take other photos from other devices or app.

Take photo of elevation

Take photo of sketch

Comment