

1. GENERAL INFORMATION:

Name (ID):		Occupancy:	<input type="checkbox"/> School <input type="checkbox"/> Kindergarten <input type="checkbox"/> University <input type="checkbox"/> other: _____
Address:		No. of:	<input type="checkbox"/> pupils/students: _____ among disabled: _____ <input type="checkbox"/> teachers/employees: _____ <input type="checkbox"/> classrooms: _____ <input type="checkbox"/> total classroom area: _____ m^2
Contact:			
Coordinates:	Latitude _____ Longitude _____	Occupancy period:	<input type="checkbox"/> 24 h <input type="checkbox"/> 12 h <input type="checkbox"/> 8 h from: _____ to: _____
Structural characteristics:	Typology of the primary structure: _____ _____ no. of individual buildings: _____ no. of stories (basements): _____ (_____) interstory height: _____ m no. of cores: _____ plan shape: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> L <input type="checkbox"/> U <input type="checkbox"/> T max. length L: _____ m max. width W: _____ m	Age:	<input type="checkbox"/> < 10 years <input type="checkbox"/> 10 – 20 years <input type="checkbox"/> 20 – 40 years <input type="checkbox"/> > 40 years <input type="checkbox"/> year of construction: _____
		Actual state:	<input type="checkbox"/> good (new) <input type="checkbox"/> recently renovated <input type="checkbox"/> in need of renovation <input type="checkbox"/> bad (decayed)
		Maintenance program:	<input type="checkbox"/> exists <input type="checkbox"/> does not exist if yes, in which period: _____
Photo ID's:		Topography:	<input type="checkbox"/> plane (flat) <input type="checkbox"/> sediment basin (valley) <input type="checkbox"/> close to river <input type="checkbox"/> foothill (base of slope) <input type="checkbox"/> slope situation <input type="checkbox"/> ridge (top of slope; hilltop)
Screener/date:			

2. STRUCTURAL SEISMIC VULNERABILITY:

No.	FEATURES AFFECTING THE STRUCTURAL SEISMIC VULNERABILITY	RC			URM		
		YES	NO	NA	YES	NO	NA
01	Is the building irregular in plan?	8	0		10	0	
02	Are the columns regularly distributed?	0	4				
03	Are both building directions adequately braced (RC frames or shear walls, URM walls)?	0	16		0	20	
04	Does the ratio between the building's length and width is > 2.5 ?	4	0		10	0	
05	Does the building possess eccentric cores (staircases or elevators)?	8	0		10	0	
06	Does the building have a soft story?	16	0	0			
07	Is the building irregular in elevation caused by setbacks of upper stories?	8	0	0	20	0	0
08	Does the building have cantilevering upper stories?	8	0	0	10	0	0
09	Does the building possess a heavy mass at the top or at roof level?	4	0		5	0	
10	Are pounding effects possible?	4	0		5	0	
11	Does the building have short columns?	8	0				
12	Are strong beams–weak columns available?	16	0				
13	Does the building possess shear walls ?	0	4				
14	Did the building suffer any significant structural damage in the past?	4	0		5	0	
15	Does the building possess seismic retrofitting or strengthening measures?	0	8		0	5	
	SUM			max 120			max 100
	NO. OF ANSWERED QUESTIONS			12 or 15			8 or 10
	STRUCTURAL VULNERABILITY INDEX SVI (= Sum ÷ No. of questions)						

3. NON-STRUCTURAL SEISMIC VULNERABILITY:

No.	FEATURES AFFECTING THE NON-STRUCTURAL SEISMIC VULNERABILITY	YES	NO	NA
I. Fire Fighting				
01	Are there smoke detectors and alarms available?	0	4	
02	Are there enough fire extinguishers and hose-reel cabinets available?	0	8	
03	Are they easily accessible? (if Q02 = NO → NA)	0	8	0
II. Elevators				
04	Are elevators available?	4	0	
05	Are elevators maintained and are they regularly (every 2 months) controlled? (if Q04 = NO → NA)	0	4	0
06	Are motors and control cabinets anchored to the floor? (if Q04 = NO → NA)	0	4	0
III. Non-structural Infill Walls and Partitions				
07	Are (infill) brick walls protected against out-of-plane failure by e.g. internal reinforcement or surface meshes?	0	8	
08	Do movement joints between brick infill walls and RC frames exist to allow damage-free movement? (for masonry buildings → NA)	0	8	0
IV. Ceilings				
09	Are suspended ceilings available?	8	0	
10	Are the suspended ceilings adequately secured against failure? (if Q09 = NO → NA)	0	8	0
V. Emergency Exits and Escape Routes				
11	If exit fire doors jam in an earthquake, is there a crowbar or sledge hammer readily available to facilitate emergency opening?	0	16	
12	Do all exit doors open outwards?	0	16	
13	Are all doors unlocked from the inside and also unblocked?	0	16	
14	Are the windows of ground floor barred/trellised?	8	0	
15	Are glazed windows available?	8	0	
16	Has the glazing of windows been designed to accommodate lateral movement? (if Q15 = NO → NA)	0	8	0
17	Do large windows, door transoms and skylights have safety glass? (if Q15 = NO → NA)	0	8	0
18	Are emergency exits and escape routes adequately designated, e.g. by fluorescent signs?	0	4	
19	Are emergency exits and escape routes adequately illuminated?	0	4	
VI. Appendages				
20	Can nonstructural elements (e.g. parapets, facade cladding, roof tiles, chimneys) fall from the building and harm children or teachers running outside?	8	0	
VII. Movable Equipment				
21	Are wardrobes/lockers/bookshelves/blackboards adequately anchored to the walls?	0	8	
22	Are tables stable enough to protect children from falling objects (e.g. suspended ceilings)?	0	8	
VIII. Appurtenant structures				
23	Are there enough open spaces around the building which can be used as escape routes and where people are safe from falling objects?	0	16	
24	Can neighboring structures (e.g. buildings, walls, electricity lines) block escape routes or harm people running/gathering outside?	8	0	
25	Can road access to and from the school be blocked due to collapse of buildings or geotechnical effects (slope failure, landslide etc.)?	8	0	
SUM				max 208
NO. OF ANSWERED QUESTIONS				max 25
NON-STRUCTURAL VULNERABILITY INDEX NVI (= Sum ÷ No. of questions)				