RAPID VISUAL SCREENING OF BUILDINGS FOR POTENTIAL SEISMIC VULNERABILITY AND CONDITION ASSESSMENT

Sheet A

PHOTOGRAPH Nos.

Survey Engineer Details:

Name:_____

Contact Number:_____

e-mail:_____

Building Details:

Address:_____

_____

Village/Town/City_____District_____

_____State_____PIN_____

Landmark:_____

GPS Coordinates:_____

No. Stories:_____ Year Built:_____

Date:_____

Total Floor Area (sq. m):_____

Building Name:_____

Use:_____

Construction Drawings Available: ☐Yes/☐No

OCCUPANCY TYPE		
Assembly	Govt.	Office
Commercial	Historic	Residential
Emer. Service	Industrial	School

OCCUPANCY LOAD	
Max. Number of Persons	
0-10	11-100
101-1000	1000+

SOIL TYPE (IS 1893:2002)		
TYPE I	**TYPE II**	**TYPE III**
Hard Soil	Medium Soil	Soft Soil

FALLING HAZARDS			
☐	☐	☐	☐
Chimneys	Parapets	Cladding	Other:

SITE MORPHOLOGY					
☐	☐	☐	☐	☐	☐
Flat	Crest	Embankment	Downward Slope	Trough	Adjacent to Hill Slopes

Slope of the Terrain (Degrees) _____

ASSESSMENT

Investigate the building for the conditions given below and check the appropriate column

IBroad Structural Observations:

Any storey/building noticeably leaning	☐Yes	☐No	
Estimated maximum floor loading (SIDL+IL)	☐Normal	☐Excessive	

II Geotechnical/Foundation Observations:

Subsidence, unequal settlements	☐Yes	☐No	☐Not Known
Plinth level lowered	☐Yes	☐No	☐Not Known

III Condition of Vertical Structural Elements

(Fill separately for each floors using enclosed forms A.1)

IV Condition of Horizontal Structural Elements

(Fill separately for each floors using enclosed forms A.2)

V Capacity of Vertical Structural Elements

(Fill separately for each floors using enclosed forms A.3)

VI Capacity of Horizontal Structural Elements

(Fill separately for each floors using enclosed forms A.4)

III Condition of Vertical Structural Elements (*One Form/Floor*) **Floor No:_____** **A.1**

WALL:

Load Bearing Wall: ☐ Yes ☐No

If Yes,Total no. of beams: ____Nos. inspected ____Nos. un-inspected

Wall thickness(mm) ☐230 ☐350☐450☐600☐Other_____

Type of mortar ☐Mud☐Lime☐Cement☐Gauged

Is masonry reinforced? ☐ Yes ☐No

No. of walls having diagonal/cross cracks S0-S1____ S2-S3____ S4____ S5____

No. of walls having vertical cracks (Except corners) S0-S1____ S2-S3____ S4____ S5____

Bulging or out of plane failure S0-S1____ S2-S3____ S4____ S5____

Separation of walls (vertical cracks at corner/T-junction) ☐ Yes ☐No

If Yes, at corners (Number of walls) S0-S1____ S2-S3____ S4____ S5____

at T - Junctions (Number of walls) S0-S1____ S2-S3____ S4____ S5____

Openings bridged by using: ☐RC Lintels ☐Masonry Arches

☐ Flat Brick Lintels ☐Timber Lintels☐None

Openings

Nos. with inclined/toothing cracks originating from corners S0-S1____ S2-S3____ S4____ S5____

Nos. with cross cracks in piers between openings S0-S1____ S2-S3____ S4____ S5____

Arches:

Cracks in arches: ☐ Yes ☐No

Arches collapsed ☐ Yes ☐No

Partition Wall: ☐ Yes ☐No

If Yes,Total no. of partition walls inspected ____Nos.

Estimated no. of non-inspected partition walls: ____Nos.

Number of Partition walls that have:

Diagonal/cross cracks ____No. of Walls

Vertical cracks ____No. of Walls

Separation from main wall / column ____No. of Walls

Bulging or out of plane failure ____No. of Walls

Horizontal cracks:

at Sill Level ____No. of Walls

at Lintel Level ____No. of Walls

at Floor Level ____No. of Walls

COLUMNS:

Total no. of Columns: ____Nos. inspected ____Nos. un-inspected

Timber (Wooden) Columns: ☐ Yes ☐No

If Yes, total no. of columns (inspected): ____Nos.

Diagonal cracks /cross cracks S0-S1____ S2-S3____ S4____ S5____

Significant reduction in cross section S0-S1____ S2-S3____ S4____ S5____

Crushing or decay of timber S0-S1____ S2-S3____ S4____ S5____

RCC Columns: ☐ Yes ☐No

If Yes, total no. of columns (inspected): ____Nos.

Cracks at beam-column junction S0-S1____ S2-S3____ S4____ S5____

Diagonal cracks /cross cracks S0-S1____ S2-S3____ S4____ S5____

Spalling of concrete S0-S1____ S2-S3____ S4____ S5____

Crushing of concrete or/and buckling of bars S0-S1____ S2-S3____ S4____ S5____

Steel Columns: ☐ Yes ☐No

If Yes, total no. of columns (inspected): ____Nos.

Knee bracing provided? S0-S1____ S2-S3____ S4____ S5____

Buckling or bowing of columns? S0-S1____ S2-S3____ S4____ S5____

Tilting or inclination of columns? S0-S1____ S2-S3____ S4____ S5____

Rusting of columns? S0-S1____ S2-S3____ S4____ S5____

Condition of welds/rivets/bolts at joints S0-S1____ S2-S3____ S4____ S5____

III Condition of Vertical Structural Elements (*One Form/Floor*) **Floor No:_____** **A.1**

WALL:

Load Bearing Wall: ☐ Yes ☐No

If Yes,Total no. of beams: ____Nos. inspected ____Nos. un-inspected

Wall thickness(mm) ☐230 ☐350☐450☐600☐Other_____

Type of mortar ☐Mud☐Lime☐Cement☐Gauged

Is masonry reinforced? ☐ Yes ☐No

No. of walls having diagonal/cross cracks S0-S1____ S2-S3____ S4____ S5____

No. of walls having vertical cracks (Except corners) S0-S1____ S2-S3____ S4____ S5____

Bulging or out of plane failure S0-S1____ S2-S3____ S4____ S5____

Separation of walls (vertical cracks at corner/T-junction) ☐ Yes ☐No

If Yes, at corners (Number of walls) S0-S1____ S2-S3____ S4____ S5____

at T - Junctions (Number of walls) S0-S1____ S2-S3____ S4____ S5____

Openings bridged by using: ☐RC Lintels ☐Masonry Arches

☐ Flat Brick Lintels ☐Timber Lintels☐None

Openings

Nos. with inclined/toothing cracks originating from corners S0-S1____ S2-S3____ S4____ S5____

Nos. with cross cracks in piers between openings S0-S1____ S2-S3____ S4____ S5____

Arches:

Cracks in arches: ☐ Yes ☐No

Arches collapsed ☐ Yes ☐No

Partition Wall: ☐ Yes ☐No

If Yes,Total no. of partition walls inspected ____Nos.

Estimated no. of non-inspected partition walls: ____Nos.

Number of Partition walls that have:

Diagonal/cross cracks ____No. of Walls

Vertical cracks ____No. of Walls

Separation from main wall / column ____No. of Walls

Bulging or out of plane failure ____No. of Walls

Horizontal cracks:

at Sill Level ____No. of Walls

at Lintel Level ____No. of Walls

at Floor Level ____No. of Walls

COLUMNS:

Total no. of Columns: ____Nos. inspected ____Nos. un-inspected

Timber (Wooden) Columns: ☐ Yes ☐No

If Yes, total no. of columns (inspected): ____Nos.

Diagonal cracks /cross cracks S0-S1____ S2-S3____ S4____ S5____

Significant reduction in cross section S0-S1____ S2-S3____ S4____ S5____

Crushing or decay of timber S0-S1____ S2-S3____ S4____ S5____

RCC Columns: ☐ Yes ☐No

If Yes, total no. of columns (inspected): ____Nos.

Cracks at beam-column junction S0-S1____ S2-S3____ S4____ S5____

Diagonal cracks /cross cracks S0-S1____ S2-S3____ S4____ S5____

Spalling of concrete S0-S1____ S2-S3____ S4____ S5____

Crushing of concrete or/and buckling of bars S0-S1____ S2-S3____ S4____ S5____

Steel Columns: ☐ Yes ☐No

If Yes, total no. of columns (inspected): ____Nos.

Knee bracing provided? S0-S1____ S2-S3____ S4____ S5____

Buckling or bowing of columns? S0-S1____ S2-S3____ S4____ S5____

Tilting or inclination of columns? S0-S1____ S2-S3____ S4____ S5____

Rusting of columns? S0-S1____ S2-S3____ S4____ S5____

Condition of welds/rivets/bolts at joints S0-S1____ S2-S3____ S4____ S5____

III Condition of Vertical Structural Elements (*One Form/Floor*) **Floor No:_____** **A.1**

WALL:

Load Bearing Wall: ☐ Yes ☐No

If Yes,Total no. of beams: ____Nos. inspected ____Nos. un-inspected

Wall thickness(mm) ☐230 ☐350☐450☐600☐Other_____

Type of mortar ☐Mud☐Lime☐Cement☐Gauged

Is masonry reinforced? ☐ Yes ☐No

No. of walls having diagonal/cross cracks S0-S1____ S2-S3____ S4____ S5____

No. of walls having vertical cracks (Except corners) S0-S1____ S2-S3____ S4____ S5____

Bulging or out of plane failure S0-S1____ S2-S3____ S4____ S5____

Separation of walls (vertical cracks at corner/T-junction) ☐ Yes ☐No

If Yes, at corners (Number of walls) S0-S1____ S2-S3____ S4____ S5____

at T - Junctions (Number of walls) S0-S1____ S2-S3____ S4____ S5____

Openings bridged by using: ☐RC Lintels ☐Masonry Arches

☐ Flat Brick Lintels ☐Timber Lintels☐None

Openings

Nos. with inclined/toothing cracks originating from corners S0-S1____ S2-S3____ S4____ S5____

Nos. with cross cracks in piers between openings S0-S1____ S2-S3____ S4____ S5____

Arches:

Cracks in arches: ☐ Yes ☐No

Arches collapsed ☐ Yes ☐No

Partition Wall: ☐ Yes ☐No

If Yes,Total no. of partition walls inspected ____Nos.

Estimated no. of non-inspected partition walls: ____Nos.

Number of Partition walls that have:

Diagonal/cross cracks ____No. of Walls

Vertical cracks ____No. of Walls

Separation from main wall / column ____No. of Walls

Bulging or out of plane failure ____No. of Walls

Horizontal cracks:

at Sill Level ____No. of Walls

at Lintel Level ____No. of Walls

at Floor Level ____No. of Walls

COLUMNS:

Total no. of Columns: ____Nos. inspected ____Nos. un-inspected

Timber (Wooden) Columns: ☐ Yes ☐No

If Yes, total no. of columns (inspected): ____Nos.

Diagonal cracks /cross cracks S0-S1____ S2-S3____ S4____ S5____

Significant reduction in cross section S0-S1____ S2-S3____ S4____ S5____

Crushing or decay of timber S0-S1____ S2-S3____ S4____ S5____

RCC Columns: ☐ Yes ☐No

If Yes, total no. of columns (inspected): ____Nos.

Cracks at beam-column junction S0-S1____ S2-S3____ S4____ S5____

Diagonal cracks /cross cracks S0-S1____ S2-S3____ S4____ S5____

Spalling of concrete S0-S1____ S2-S3____ S4____ S5____

Crushing of concrete or/and buckling of bars S0-S1____ S2-S3____ S4____ S5____

Steel Columns: ☐ Yes ☐No

If Yes, total no. of columns (inspected): ____Nos.

Knee bracing provided? S0-S1____ S2-S3____ S4____ S5____

Buckling or bowing of columns? S0-S1____ S2-S3____ S4____ S5____

Tilting or inclination of columns? S0-S1____ S2-S3____ S4____ S5____

Rusting of columns? S0-S1____ S2-S3____ S4____ S5____

Condition of welds/rivets/bolts at joints S0-S1____ S2-S3____ S4____ S5____

III Condition of Vertical Structural Elements (*One Form/Floor*) **Floor No:_____** **A.1**

WALL:

Load Bearing Wall: ☐ Yes ☐No

If Yes,Total no. of beams: ____Nos. inspected ____Nos. un-inspected

Wall thickness(mm) ☐230 ☐350☐450☐600☐Other_____

Type of mortar ☐Mud☐Lime☐Cement☐Gauged

Is masonry reinforced? ☐ Yes ☐No

No. of walls having diagonal/cross cracks S0-S1____ S2-S3____ S4____ S5____

No. of walls having vertical cracks (Except corners) S0-S1____ S2-S3____ S4____ S5____

Bulging or out of plane failure S0-S1____ S2-S3____ S4____ S5____

Separation of walls (vertical cracks at corner/T-junction) ☐ Yes ☐No

If Yes, at corners (Number of walls) S0-S1____ S2-S3____ S4____ S5____

at T - Junctions (Number of walls) S0-S1____ S2-S3____ S4____ S5____

Openings bridged by using: ☐RC Lintels ☐Masonry Arches

☐ Flat Brick Lintels ☐Timber Lintels☐None

Openings

Nos. with inclined/toothing cracks originating from corners S0-S1____ S2-S3____ S4____ S5____

Nos. with cross cracks in piers between openings S0-S1____ S2-S3____ S4____ S5____

Arches:

Cracks in arches: ☐ Yes ☐No

Arches collapsed ☐ Yes ☐No

Partition Wall: ☐ Yes ☐No

If Yes,Total no. of partition walls inspected ____Nos.

Estimated no. of non-inspected partition walls: ____Nos.

Number of Partition walls that have:

Diagonal/cross cracks ____No. of Walls

Vertical cracks ____No. of Walls

Separation from main wall / column ____No. of Walls

Bulging or out of plane failure ____No. of Walls

Horizontal cracks:

at Sill Level ____No. of Walls

at Lintel Level ____No. of Walls

at Floor Level ____No. of Walls

COLUMNS:

Total no. of Columns: ____Nos. inspected ____Nos. un-inspected

Timber (Wooden) Columns: ☐ Yes ☐No

If Yes, total no. of columns (inspected): ____Nos.

Diagonal cracks /cross cracks S0-S1____ S2-S3____ S4____ S5____

Significant reduction in cross section S0-S1____ S2-S3____ S4____ S5____

Crushing or decay of timber S0-S1____ S2-S3____ S4____ S5____

RCC Columns: ☐ Yes ☐No

If Yes, total no. of columns (inspected): ____Nos.

Cracks at beam-column junction S0-S1____ S2-S3____ S4____ S5____

Diagonal cracks /cross cracks S0-S1____ S2-S3____ S4____ S5____

Spalling of concrete S0-S1____ S2-S3____ S4____ S5____

Crushing of concrete or/and buckling of bars S0-S1____ S2-S3____ S4____ S5____

Steel Columns: ☐ Yes ☐No

If Yes, total no. of columns (inspected): ____Nos.

Knee bracing provided? S0-S1____ S2-S3____ S4____ S5____

Buckling or bowing of columns? S0-S1____ S2-S3____ S4____ S5____

Tilting or inclination of columns? S0-S1____ S2-S3____ S4____ S5____

Rusting of columns? S0-S1____ S2-S3____ S4____ S5____

Condition of welds/rivets/bolts at joints S0-S1____ S2-S3____ S4____ S5____

A.2

IV Condition of Horizontal Structural Elements (One Form/Suspended Slab) **Suspended Slab No:_____**

Total no. of beams: ___Nos. inspected ___Nos. un-inspected

Timber (Wooden) Beam: ☐ Yes ☐No ☐ Not Known

If Yes, no. of framing beams (inspected) ___Nos.

Nos. with loss of support/displacement of beam S0-S1____ S2-S3____ S4____ S5____

Nos. with weathering/disintegration of beam near support S0-S1____ S2-S3____ S4____ S5____

Nos. with noticeable deflection/sagging S0-S1____ S2-S3____ S4____ S5____

Are chords present? ☐ Yes ☐No ☐ Not Known

If Yes, nos. of chords have been bent in lateral direction? S0-S1____ S2-S3____ S4____ S5____

Concrete Beam: ☐ Yes ☐No ☐ Not Known

If Yes, no. of framing beams (inspected) ___Nos.

No. of beams with horizontal tension cracks at bottom S0-S1____ S2-S3____ S4____ S5____

No. of beams with vertical cracks near supports S0-S1____ S2-S3____ S4____ S5____

No. of beams with vertical cracks near mid-span S0-S1____ S2-S3____ S4____ S5____

No. of beams with diagonal cracks near supports S0-S1____ S2-S3____ S4____ S5____

Nos. with noticeable deflection/sagging S0-S1____ S2-S3____ S4____ S5____

Steel Beam: ☐ Yes ☐No ☐ Not Known

If Yes, no. of framing beams (inspected) ___Nos.

If Yes, no. with noticeable deflection/sagging S0-S1____ S2-S3____ S4____ S5____

Weathering/corrosion of beam S0-S1____ S2-S3____ S4____ S5____

Condition of welds/rivets/bolts at joints S0-S1____ S2-S3____ S4____ S5____

Loss of support / displacement of beams S0-S1____ S2-S3____ S4____ S5____

Floor beams have been braced horizontally? ☐ Yes ☐No ☐ Not Known

If Yes, connection between bracings & beams damaged? S0-S1____ S2-S3____

Diagonals of bracing have buckled or yielded? S0-S1____ S2-S3____

Chords have been bent in lateral direction? S0-S1____ S2-S3____

RCC Slab: ☐ Yes ☐No ☐ Not Known

If Yes, spalling of concrete/exposed reinforcement S0-S1____ S2-S3____ S4____ S5____

Excessive deflection of slab S0-S1____ S2-S3____ S4____ S5____

Cantilever slabs are damaged? S0-S1____ S2-S3____ S4____ S5____

Punching shear damage? S0-S1____ S2-S3____ S4____ S5____

Are there cut-outs in slabs? ☐ Yes ☐No ☐ Not Known

If Yes, then indicate damage adjacent to cut-out ☐ None/Minor☐Moderate☐ Severe

Corner cracks next to cut-out ☐ None/Minor☐Moderate☐ Severe

Floor Supported on Timber (Wooden) Joists: ☐ Yes ☐No ☐ Not Known

If Yes, excessive deflection of slab S0-S1____ S2-S3____ S4____ S5____

Nos. of Joists ___Nos. failed ___Nos. excessively bent

___Nos. moved from supporting wall/binder

Floor Supported on Steel Joists: ☐ Yes ☐No ☐ Not Known

If Yes, excessive deflection of slab S0-S1____ S2-S3____ S4____ S5____

Loss of section due to rusting of joists _____

Bending (Sagging of Joists) _____

Jack Arch Floor: ☐ Yes ☐No ☐ Not Known

If Yes, joists supporting vault ☐ RCC ☐Steel

Excessive deflection of Joists _____No. of Joists

Failure in vaults _____Nos. cracked _____Nos. cracked

Ties provided ☐ Yes ☐No **If yes,**No. failed ties: ___Nos.

Hollow Block Floor: ☐ Yes ☐No ☐ Not Known

If Yes, spalling of concrete / exposed reinforcement _____

Vertical displacement due to support movement _____

Connections in slab damaged _____

Caststone slab: ☐ Yes ☐No ☐ Not Known

If Yes, spalling of concrete / exposed reinforcement _____

Vertical displacement due to support movement _____

Connections in slab damaged _____

A.2

IV Condition of Horizontal Structural Elements (One Form/Suspended Slab) **Suspended Slab No:_____**

Total no. of beams: ___Nos. inspected ___Nos. un-inspected

Timber (Wooden) Beam: ☐ Yes ☐No ☐ Not Known

If Yes, no. of framing beams (inspected) ___Nos.

Nos. with loss of support/displacement of beam S0-S1____ S2-S3____ S4____ S5____

Nos. with weathering/disintegration of beam near support S0-S1____ S2-S3____ S4____ S5____

Nos. with noticeable deflection/sagging S0-S1____ S2-S3____ S4____ S5____

Are chords present? ☐ Yes ☐No ☐ Not Known

If Yes, nos. of chords have been bent in lateral direction? S0-S1____ S2-S3____ S4____ S5____

Concrete Beam: ☐ Yes ☐No ☐ Not Known

If Yes, no. of framing beams (inspected) ___Nos.

No. of beams with horizontal tension cracks at bottom S0-S1____ S2-S3____ S4____ S5____

No. of beams with vertical cracks near supports S0-S1____ S2-S3____ S4____ S5____

No. of beams with vertical cracks near mid-span S0-S1____ S2-S3____ S4____ S5____

No. of beams with diagonal cracks near supports S0-S1____ S2-S3____ S4____ S5____

Nos. with noticeable deflection/sagging S0-S1____ S2-S3____ S4____ S5____

Steel Beam: ☐ Yes ☐No ☐ Not Known

If Yes, no. of framing beams (inspected) ___Nos.

If Yes, no. with noticeable deflection/sagging S0-S1____ S2-S3____ S4____ S5____

Weathering/corrosion of beam S0-S1____ S2-S3____ S4____ S5____

Condition of welds/rivets/bolts at joints S0-S1____ S2-S3____ S4____ S5____

Loss of support / displacement of beams S0-S1____ S2-S3____ S4____ S5____

Floor beams have been braced horizontally? ☐ Yes ☐No ☐ Not Known

If Yes, connection between bracings & beams damaged? S0-S1____ S2-S3____

Diagonals of bracing have buckled or yielded? S0-S1____ S2-S3____

Chords have been bent in lateral direction? S0-S1____ S2-S3____

RCC Slab: ☐ Yes ☐No ☐ Not Known

If Yes, spalling of concrete/exposed reinforcement S0-S1____ S2-S3____ S4____ S5____

Excessive deflection of slab S0-S1____ S2-S3____ S4____ S5____

Cantilever slabs are damaged? S0-S1____ S2-S3____ S4____ S5____

Punching shear damage? S0-S1____ S2-S3____ S4____ S5____

Are there cut-outs in slabs? ☐ Yes ☐No ☐ Not Known

If Yes, then indicate damage adjacent to cut-out ☐ None/Minor☐Moderate☐ Severe

Corner cracks next to cut-out ☐ None/Minor☐Moderate☐ Severe

Floor Supported on Timber (Wooden) Joists: ☐ Yes ☐No ☐ Not Known

If Yes, excessive deflection of slab S0-S1____ S2-S3____ S4____ S5____

Nos. of Joists ___Nos. failed ___Nos. excessively bent

___Nos. moved from supporting wall/binder

Floor Supported on Steel Joists: ☐ Yes ☐No ☐ Not Known

If Yes, excessive deflection of slab S0-S1____ S2-S3____ S4____ S5____

Loss of section due to rusting of joists _____

Bending (Sagging of Joists) _____

Jack Arch Floor: ☐ Yes ☐No ☐ Not Known

If Yes, joists supporting vault ☐ RCC ☐Steel

Excessive deflection of Joists _____No. of Joists

Failure in vaults _____Nos. cracked _____Nos. cracked

Ties provided ☐ Yes ☐No **If yes,**No. failed ties: ___Nos.

Hollow Block Floor: ☐ Yes ☐No ☐ Not Known

If Yes, spalling of concrete / exposed reinforcement _____

Vertical displacement due to support movement _____

Connections in slab damaged _____

Caststone slab: ☐ Yes ☐No ☐ Not Known

If Yes, spalling of concrete / exposed reinforcement _____

Vertical displacement due to support movement _____

Connections in slab damaged _____

A.2

IV Condition of Horizontal Structural Elements (One Form/Suspended Slab) **Suspended Slab No:_____**

Total no. of beams: ___Nos. inspected ___Nos. un-inspected

Timber (Wooden) Beam: ☐ Yes ☐No ☐ Not Known

If Yes, no. of framing beams (inspected) ___Nos.

Nos. with loss of support/displacement of beam S0-S1____ S2-S3____ S4____ S5____

Nos. with weathering/disintegration of beam near support S0-S1____ S2-S3____ S4____ S5____

Nos. with noticeable deflection/sagging S0-S1____ S2-S3____ S4____ S5____

Are chords present? ☐ Yes ☐No ☐ Not Known

If Yes, nos. of chords have been bent in lateral direction? S0-S1____ S2-S3____ S4____ S5____

Concrete Beam: ☐ Yes ☐No ☐ Not Known

If Yes, no. of framing beams (inspected) ___Nos.

No. of beams with horizontal tension cracks at bottom S0-S1____ S2-S3____ S4____ S5____

No. of beams with vertical cracks near supports S0-S1____ S2-S3____ S4____ S5____

No. of beams with vertical cracks near mid-span S0-S1____ S2-S3____ S4____ S5____

No. of beams with diagonal cracks near supports S0-S1____ S2-S3____ S4____ S5____

Nos. with noticeable deflection/sagging S0-S1____ S2-S3____ S4____ S5____

Steel Beam: ☐ Yes ☐No ☐ Not Known

If Yes, no. of framing beams (inspected) ___Nos.

If Yes, no. with noticeable deflection/sagging S0-S1____ S2-S3____ S4____ S5____

Weathering/corrosion of beam S0-S1____ S2-S3____ S4____ S5____

Condition of welds/rivets/bolts at joints S0-S1____ S2-S3____ S4____ S5____

Loss of support / displacement of beams S0-S1____ S2-S3____ S4____ S5____

Floor beams have been braced horizontally? ☐ Yes ☐No ☐ Not Known

If Yes, connection between bracings & beams damaged? S0-S1____ S2-S3____

Diagonals of bracing have buckled or yielded? S0-S1____ S2-S3____

Chords have been bent in lateral direction? S0-S1____ S2-S3____

RCC Slab: ☐ Yes ☐No ☐ Not Known

If Yes, spalling of concrete/exposed reinforcement S0-S1____ S2-S3____ S4____ S5____

Excessive deflection of slab S0-S1____ S2-S3____ S4____ S5____

Cantilever slabs are damaged? S0-S1____ S2-S3____ S4____ S5____

Punching shear damage? S0-S1____ S2-S3____ S4____ S5____

Are there cut-outs in slabs? ☐ Yes ☐No ☐ Not Known

If Yes, then indicate damage adjacent to cut-out ☐ None/Minor☐Moderate☐ Severe

Corner cracks next to cut-out ☐ None/Minor☐Moderate☐ Severe

Floor Supported on Timber (Wooden) Joists: ☐ Yes ☐No ☐ Not Known

If Yes, excessive deflection of slab S0-S1____ S2-S3____ S4____ S5____

Nos. of Joists ___Nos. failed ___Nos. excessively bent

___Nos. moved from supporting wall/binder

Floor Supported on Steel Joists: ☐ Yes ☐No ☐ Not Known

If Yes, excessive deflection of slab S0-S1____ S2-S3____ S4____ S5____

Loss of section due to rusting of joists _____

Bending (Sagging of Joists) _____

Jack Arch Floor: ☐ Yes ☐No ☐ Not Known

If Yes, joists supporting vault ☐ RCC ☐Steel

Excessive deflection of Joists _____No. of Joists

Failure in vaults _____Nos. cracked _____Nos. cracked

Ties provided ☐ Yes ☐No **If yes,**No. failed ties: ___Nos.

Hollow Block Floor: ☐ Yes ☐No ☐ Not Known

If Yes, spalling of concrete / exposed reinforcement _____

Vertical displacement due to support movement _____

Connections in slab damaged _____

Caststone slab: ☐ Yes ☐No ☐ Not Known

If Yes, spalling of concrete / exposed reinforcement _____

Vertical displacement due to support movement _____

Connections in slab damaged _____

A.2

IV Condition of Horizontal Structural Elements (One Form/Suspended Slab) **Suspended Slab No:_____**

Total no. of beams: ___Nos. inspected ___Nos. un-inspected

Timber (Wooden) Beam: ☐ Yes ☐No ☐ Not Known

If Yes, no. of framing beams (inspected) ___Nos.

Nos. with loss of support/displacement of beam S0-S1____ S2-S3____ S4____ S5____

Nos. with weathering/disintegration of beam near support S0-S1____ S2-S3____ S4____ S5____

Nos. with noticeable deflection/sagging S0-S1____ S2-S3____ S4____ S5____

Are chords present? ☐ Yes ☐No ☐ Not Known

If Yes, nos. of chords have been bent in lateral direction? S0-S1____ S2-S3____ S4____ S5____

Concrete Beam: ☐ Yes ☐No ☐ Not Known

If Yes, no. of framing beams (inspected) ___Nos.

No. of beams with horizontal tension cracks at bottom S0-S1____ S2-S3____ S4____ S5____

No. of beams with vertical cracks near supports S0-S1____ S2-S3____ S4____ S5____

No. of beams with vertical cracks near mid-span S0-S1____ S2-S3____ S4____ S5____

No. of beams with diagonal cracks near supports S0-S1____ S2-S3____ S4____ S5____

Nos. with noticeable deflection/sagging S0-S1____ S2-S3____ S4____ S5____

Steel Beam: ☐ Yes ☐No ☐ Not Known

If Yes, no. of framing beams (inspected) ___Nos.

If Yes, no. with noticeable deflection/sagging S0-S1____ S2-S3____ S4____ S5____

Weathering/corrosion of beam S0-S1____ S2-S3____ S4____ S5____

Condition of welds/rivets/bolts at joints S0-S1____ S2-S3____ S4____ S5____

Loss of support / displacement of beams S0-S1____ S2-S3____ S4____ S5____

Floor beams have been braced horizontally? ☐ Yes ☐No ☐ Not Known

If Yes, connection between bracings & beams damaged? S0-S1____ S2-S3____

Diagonals of bracing have buckled or yielded? S0-S1____ S2-S3____

Chords have been bent in lateral direction? S0-S1____ S2-S3____

RCC Slab: ☐ Yes ☐No ☐ Not Known

If Yes, spalling of concrete/exposed reinforcement S0-S1____ S2-S3____ S4____ S5____

Excessive deflection of slab S0-S1____ S2-S3____ S4____ S5____

Cantilever slabs are damaged? S0-S1____ S2-S3____ S4____ S5____

Punching shear damage? S0-S1____ S2-S3____ S4____ S5____

Are there cut-outs in slabs? ☐ Yes ☐No ☐ Not Known

If Yes, then indicate damage adjacent to cut-out ☐ None/Minor☐Moderate☐ Severe

Corner cracks next to cut-out ☐ None/Minor☐Moderate☐ Severe

Floor Supported on Timber (Wooden) Joists: ☐ Yes ☐No ☐ Not Known

If Yes, excessive deflection of slab S0-S1____ S2-S3____ S4____ S5____

Nos. of Joists ___Nos. failed ___Nos. excessively bent

___Nos. moved from supporting wall/binder

Floor Supported on Steel Joists: ☐ Yes ☐No ☐ Not Known

If Yes, excessive deflection of slab S0-S1____ S2-S3____ S4____ S5____

Loss of section due to rusting of joists _____

Bending (Sagging of Joists) _____

Jack Arch Floor: ☐ Yes ☐No ☐ Not Known

If Yes, joists supporting vault ☐ RCC ☐Steel

Excessive deflection of Joists _____No. of Joists

Failure in vaults _____Nos. cracked _____Nos. cracked

Ties provided ☐ Yes ☐No **If yes,**No. failed ties: ___Nos.

Hollow Block Floor: ☐ Yes ☐No ☐ Not Known

If Yes, spalling of concrete / exposed reinforcement _____

Vertical displacement due to support movement _____

Connections in slab damaged _____

Caststone slab: ☐ Yes ☐No ☐ Not Known

If Yes, spalling of concrete / exposed reinforcement _____

Vertical displacement due to support movement _____

Connections in slab damaged _____

A.3

V Capacity of Vertical Structural Elements (One Form/Floor) Floor No:_____

RCC Columns ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Column Size b (mm)									
Column Size d (mm)									
Rebar percentage (0.8%, 1% or 1.2%)									
Rebar grade (fy=250 or 415)									
Concrete grade (M10, M15 or M20)									
Estimated Load P (kN)									
Estimated Moment M (kN-m)									
Graph Number (used in calculations)									
Are P&M in safe range as per PM curve									
Result (Safe/Unsafe)									

Wooden Columns ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Column Size b (mm)									
Column Size d (mm)									
Estimated Load P (kN)									
Estimated Moment M (kN-m)									
Graph Number (used in calculations)									
Are P&M in safe range as per PM curve									
Result (Safe/Unsafe)									

Steel Columns ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Column Type									
Estimated Load P (kN)									
Estimated Moment M (kN-m)									
Graph Number (used in calculations)									
Are P&M in safe range as per PM curve									
Result (Safe/Unsafe)									

Masonry Wall ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Thickness of wall (m)									
Length of wall (m)									
Estimated Load on wall (kN/m)									
Graph Number (used in calculations)									
Undamaged permissible load (kN/m)									
Effective permissible load (kN/m)									
Result (Safe/Unsafe)									

A.3

V Capacity of Vertical Structural Elements (One Form/Floor) Floor No:_____

RCC Columns ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Column Size b (mm)									
Column Size d (mm)									
Rebar percentage (0.8%, 1% or 1.2%)									
Rebar grade (fy=250 or 415)									
Concrete grade (M10, M15 or M20)									
Estimated Load P (kN)									
Estimated Moment M (kN-m)									
Graph Number (used in calculations)									
Are P&M in safe range as per PM curve									
Result (Safe/Unsafe)									

Wooden Columns ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Column Size b (mm)									
Column Size d (mm)									
Estimated Load P (kN)									
Estimated Moment M (kN-m)									
Graph Number (used in calculations)									
Are P&M in safe range as per PM curve									
Result (Safe/Unsafe)									

Steel Columns ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Column Type									
Estimated Load P (kN)									
Estimated Moment M (kN-m)									
Graph Number (used in calculations)									
Are P&M in safe range as per PM curve									
Result (Safe/Unsafe)									

Masonry Wall ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Thickness of wall (m)									
Length of wall (m)									
Estimated Load on wall (kN/m)									
Graph Number (used in calculations)									
Undamaged permissible load (kN/m)									
Effective permissible load (kN/m)									
Result (Safe/Unsafe)									

A.3

V Capacity of Vertical Structural Elements (One Form/Floor) Floor No:_____

RCC Columns ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Column Size b (mm)									
Column Size d (mm)									
Rebar percentage (0.8%, 1% or 1.2%)									
Rebar grade (fy=250 or 415)									
Concrete grade (M10, M15 or M20)									
Estimated Load P (kN)									
Estimated Moment M (kN-m)									
Graph Number (used in calculations)									
Are P&M in safe range as per PM curve									
Result (Safe/Unsafe)									

Wooden Columns ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Column Size b (mm)									
Column Size d (mm)									
Estimated Load P (kN)									
Estimated Moment M (kN-m)									
Graph Number (used in calculations)									
Are P&M in safe range as per PM curve									
Result (Safe/Unsafe)									

Steel Columns ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Column Type									
Estimated Load P (kN)									
Estimated Moment M (kN-m)									
Graph Number (used in calculations)									
Are P&M in safe range as per PM curve									
Result (Safe/Unsafe)									

Masonry Wall ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Thickness of wall (m)									
Length of wall (m)									
Estimated Load on wall (kN/m)									
Graph Number (used in calculations)									
Undamaged permissible load (kN/m)									
Effective permissible load (kN/m)									
Result (Safe/Unsafe)									

A.3

V Capacity of Vertical Structural Elements (One Form/Floor) Floor No:_____

RCC Columns ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Column Size b (mm)									
Column Size d (mm)									
Rebar percentage (0.8%, 1% or 1.2%)									
Rebar grade (fy=250 or 415)									
Concrete grade (M10, M15 or M20)									
Estimated Load P (kN)									
Estimated Moment M (kN-m)									
Graph Number (used in calculations)									
Are P&M in safe range as per PM curve									
Result (Safe/Unsafe)									

Wooden Columns ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Column Size b (mm)									
Column Size d (mm)									
Estimated Load P (kN)									
Estimated Moment M (kN-m)									
Graph Number (used in calculations)									
Are P&M in safe range as per PM curve									
Result (Safe/Unsafe)									

Steel Columns ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Column Type									
Estimated Load P (kN)									
Estimated Moment M (kN-m)									
Graph Number (used in calculations)									
Are P&M in safe range as per PM curve									
Result (Safe/Unsafe)									

Masonry Wall ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Thickness of wall (m)									
Length of wall (m)									
Estimated Load on wall (kN/m)									
Graph Number (used in calculations)									
Undamaged permissible load (kN/m)									
Effective permissible load (kN/m)									
Result (Safe/Unsafe)									

VI Capacity of Horizontal Structural Elements (One Form/Suspended Slab) Suspended Slab No:_____

A.4

Jack Arch Floor Slab ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Span of Floor (m)									
Characteristic Strength (MPa)									
Arch Thickness (mm)									
Estimated Floor Load (kN/m²)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m²)									
Effective Permissible Load (kN/m²)									
Result (Safe/Unsafe)									

RCC Floor One Way Slab ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Short Span (m)									
Depth (mm)									
Rebar percentage (0.12% or 0.2%)									
Rebar grade (fy=250 or 415)									
Estimated Floor Load (kN/m²)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m²)									
Effective Permissible Load (kN/m²)									
Result (Safe/Unsafe)									

RCC Floor Two Way Slab ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Short Span (m)									
Depth (mm)									
Rebar percentage (0.12% or 0.2%)									
Rebar grade (fy=250 or 415)									
Estimated Floor Load (kN/m²)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m²)									
Effective Permissible Load (kN/m²)									
Result (Safe/Unsafe)									

RCC Beam ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Span of Beam(m)									
Depth of Beam (mm)									
Width of beam (230/300/350mm)									
Rebar percentage (0.2%/0.3%/0.4%)									
Rebar grade (fy=250 or 415)									
Estimated Load on Beam (kN/m)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m)									
Effective Permissible Load (kN/m)									
Result (Safe/Unsafe)									

Wooden Beam or Joist ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Span of Beam(m)									
Depth of Beam (mm)									
Width of Beam (mm)									
Estimated Load on Beam (kN/m)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m)									
Effective Permissible Load (kN/m)									
Result (Safe/Unsafe)									

Steel Beam or Joist ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Steel Section Designation									
Span of Beam (m)									
Estimated Load on Beam (kN/m)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m)									
Effective Permissible Load (kN/m)									
Result (Safe/Unsafe)									

VI Capacity of Horizontal Structural Elements (One Form/Suspended Slab) Suspended Slab No:_____

A.4

Jack Arch Floor Slab ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Span of Floor (m)									
Characteristic Strength (MPa)									
Arch Thickness (mm)									
Estimated Floor Load (kN/m²)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m²)									
Effective Permissible Load (kN/m²)									
Result (Safe/Unsafe)									

RCC Floor One Way Slab ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Short Span (m)									
Depth (mm)									
Rebar percentage (0.12% or 0.2%)									
Rebar grade (fy=250 or 415)									
Estimated Floor Load (kN/m²)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m²)									
Effective Permissible Load (kN/m²)									
Result (Safe/Unsafe)									

RCC Floor Two Way Slab ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Short Span (m)									
Depth (mm)									
Rebar percentage (0.12% or 0.2%)									
Rebar grade (fy=250 or 415)									
Estimated Floor Load (kN/m²)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m²)									
Effective Permissible Load (kN/m²)									
Result (Safe/Unsafe)									

RCC Beam ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Span of Beam(m)									
Depth of Beam (mm)									
Width of beam (230/300/350mm)									
Rebar percentage (0.2%/0.3%/0.4%)									
Rebar grade (fy=250 or 415)									
Estimated Load on Beam (kN/m)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m)									
Effective Permissible Load (kN/m)									
Result (Safe/Unsafe)									

Wooden Beam or Joist ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Span of Beam(m)									
Depth of Beam (mm)									
Width of Beam (mm)									
Estimated Load on Beam (kN/m)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m)									
Effective Permissible Load (kN/m)									
Result (Safe/Unsafe)									

Steel Beam or Joist ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Steel Section Designation									
Span of Beam (m)									
Estimated Load on Beam (kN/m)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m)									
Effective Permissible Load (kN/m)									
Result (Safe/Unsafe)									

VI Capacity of Horizontal Structural Elements (One Form/Suspended Slab) Suspended Slab No:_____

A.4

Jack Arch Floor Slab ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Span of Floor (m)									
Characteristic Strength (MPa)									
Arch Thickness (mm)									
Estimated Floor Load (kN/m²)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m²)									
Effective Permissible Load (kN/m²)									
Result (Safe/Unsafe)									

RCC Floor One Way Slab ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Short Span (m)									
Depth (mm)									
Rebar percentage (0.12% or 0.2%)									
Rebar grade (fy=250 or 415)									
Estimated Floor Load (kN/m²)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m²)									
Effective Permissible Load (kN/m²)									
Result (Safe/Unsafe)									

RCC Floor Two Way Slab ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Short Span (m)									
Depth (mm)									
Rebar percentage (0.12% or 0.2%)									
Rebar grade (fy=250 or 415)									
Estimated Floor Load (kN/m²)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m²)									
Effective Permissible Load (kN/m²)									
Result (Safe/Unsafe)									

RCC Beam ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Span of Beam(m)									
Depth of Beam (mm)									
Width of beam (230/300/350mm)									
Rebar percentage (0.2%/0.3%/0.4%)									
Rebar grade (fy=250 or 415)									
Estimated Load on Beam (kN/m)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m)									
Effective Permissible Load (kN/m)									
Result (Safe/Unsafe)									

Wooden Beam or Joist ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Span of Beam(m)									
Depth of Beam (mm)									
Width of Beam (mm)									
Estimated Load on Beam (kN/m)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m)									
Effective Permissible Load (kN/m)									
Result (Safe/Unsafe)									

Steel Beam or Joist ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Steel Section Designation									
Span of Beam (m)									
Estimated Load on Beam (kN/m)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m)									
Effective Permissible Load (kN/m)									
Result (Safe/Unsafe)									

VI Capacity of Horizontal Structural Elements (One Form/Suspended Slab) Suspended Slab No:_____

A.4

Jack Arch Floor Slab ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Span of Floor (m)									
Characteristic Strength (MPa)									
Arch Thickness (mm)									
Estimated Floor Load (kN/m²)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m²)									
Effective Permissible Load (kN/m²)									
Result (Safe/Unsafe)									

RCC Floor One Way Slab ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Short Span (m)									
Depth (mm)									
Rebar percentage (0.12% or 0.2%)									
Rebar grade (fy=250 or 415)									
Estimated Floor Load (kN/m²)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m²)									
Effective Permissible Load (kN/m²)									
Result (Safe/Unsafe)									

RCC Floor Two Way Slab ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Short Span (m)									
Depth (mm)									
Rebar percentage (0.12% or 0.2%)									
Rebar grade (fy=250 or 415)									
Estimated Floor Load (kN/m²)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m²)									
Effective Permissible Load (kN/m²)									
Result (Safe/Unsafe)									

RCC Beam ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Span of Beam(m)									
Depth of Beam (mm)									
Width of beam (230/300/350mm)									
Rebar percentage (0.2%/0.3%/0.4%)									
Rebar grade (fy=250 or 415)									
Estimated Load on Beam (kN/m)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m)									
Effective Permissible Load (kN/m)									
Result (Safe/Unsafe)									

Wooden Beam or Joist ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Span of Beam(m)									
Depth of Beam (mm)									
Width of Beam (mm)									
Estimated Load on Beam (kN/m)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m)									
Effective Permissible Load (kN/m)									
Result (Safe/Unsafe)									

Steel Beam or Joist ☐ Yes ☐No

Member No. or Designation									
Member Damage Category									
Steel Section Designation									
Span of Beam (m)									
Estimated Load on Beam (kN/m)									
Graph Number (used in calculations)									
Undamaged Permissible Load (kN/m)									
Effective Permissible Load (kN/m)									
Result (Safe/Unsafe)									

VII BUILDING SAFETY LEVEL

Floor No. _____		
Structural Element	**Safe (Nos.)**	**Unsafe (Nos.)**
RCC column		
Wooden Column		
Steel Column		
Masonry Wall		
Jack Arch Floor		
RCC slab (One-Way)		
RCC slab (Two-Way)		
RCC Beam		
Wooden Beam		
Steel Beam		

Floor No. _____		
Structural Element	**Safe (Nos.)**	**Unsafe (Nos.)**
RCC column		
Wooden Column		
Steel Column		
Masonry Wall		
Jack Arch Floor		
RCC slab (One-Way)		
RCC slab (Two-Way)		
RCC Beam		
Wooden Beam		
Steel Beam		

Floor No. _____		
Structural Element	**Safe (Nos.)**	**Unsafe (Nos.)**
RCC column		
Wooden Column		
Steel Column		
Masonry Wall		
Jack Arch Floor		
RCC slab (One-Way)		
RCC slab (Two-Way)		
RCC Beam		
Wooden Beam		
Steel Beam		

Floor No. _____		
Structural Element	**Safe (Nos.)**	**Unsafe (Nos.)**
RCC column		
Wooden Column		
Steel Column		
Masonry Wall		
Jack Arch Floor		
RCC slab (One-Way)		
RCC slab (Two-Way)		
RCC Beam		
Wooden Beam		
Steel Beam		

Floor No. _____		
Structural Element	**Safe (Nos.)**	**Unsafe (Nos.)**
RCC column		
Wooden Column		
Steel Column		
Masonry Wall		
Jack Arch Floor		
RCC slab (One-Way)		
RCC slab (Two-Way)		
RCC Beam		
Wooden Beam		
Steel Beam		

Floor No. _____		
Structural Element	**Safe (Nos.)**	**Unsafe (Nos.)**
RCC column		
Wooden Column		
Steel Column		
Masonry Wall		
Jack Arch Floor		
RCC slab (One-Way)		
RCC slab (Two-Way)		
RCC Beam		
Wooden Beam		
Steel Beam		

Floor No. _____		
Structural Element	**Safe (Nos.)**	**Unsafe (Nos.)**
RCC column		
Wooden Column		
Steel Column		
Masonry Wall		
Jack Arch Floor		
RCC slab (One-Way)		
RCC slab (Two-Way)		
RCC Beam		
Wooden Beam		
Steel Beam		

Floor No. _____		
Structural Element	**Safe (Nos.)**	**Unsafe (Nos.)**
RCC column		
Wooden Column		
Steel Column		
Masonry Wall		
Jack Arch Floor		
RCC slab (One-Way)		
RCC slab (Two-Way)		
RCC Beam		
Wooden Beam		
Steel Beam		

RESULTS

I Building Damage Safety Level (On the basis of visual condition assessment)

☐ S0 – S2

☐ S3

☐ S4

☐ S5

II Detailed Assessment of the Building (On the basis of calculations)

☐ S0 – S2

☐ S3

☐ S4

☐ S5

III Further Evaluation Recommended

☐ Yes ☐ No

COMMENTS AND REMARKS