

BRIEF BACKGROUND HISTORY IF CHANGES IN BUILDING USE IS INVOLVED

Date of previous structural changes: **User Needs to add a date**

1) Structural changes made in the past If so, details of changes carried out: **text box**

2) Any previous investigation done in the past

If so, copy of results of such investigation (**in pdf format**) → **Upload pdf option**

3) Any repair to concrete undertaken in the past

If so, provide details: **text box**

a. Year of carrying out repairs: **Date**

b. Type of repairs :**text box**

c. Efficacy of repair:**text box**

d. Cost of repairs:**text box**

4) Reports of previous investigation: **Submit prev. PDF's**

5) Conclusion from previous report: **Text box**

SCOPE OF WORK : Text box

PURPOSE OF INVESTIGATION: Text box

GENERAL OBSERVATION OF STRUCTURE

1) Any unprecedented loading observed like wall on slab	YES	NO
2) Any changes done that are not as per the original plan	YES	NO
3) Any wing or floor added that looks out of character	YES	NO
4) Any vegetation growth from structure	YES	NO
5) Leakage/seepage due to ineffective drainage system	YES	NO
6) Types of cracks and their pattern		
a) Cracks in the beams	YES	NO
b) Cracks in the column	YES	NO
c) Cracks in flooring	YES	NO
d) Sagging of the floor	YES	NO
e) Bulging of walls or plaster	YES	NO
f) Operational problems for windows and doors	YES	NO
g) Heaving up of the floor	YES	NO
7) Colour and texture of concrete structure	Description	
8) Algae fungus growth and/ or efflorescence	Description	
9) Other	Description	

(if yes describe with photograph)

- a) Photograph of damaged structure: photo/photos
- b) Description: text
- c) Location of damage: text
- d) Cause of damage: text
- e) Classification of damage: dropdown

Class 0 Class 1 Class 2 Class 3 Class 4

(Class 0= cosmetic, Class 1=superficial, Class 2=patch repair, Class 3=principal repair, Class 4= major repair)

Areas of immediate concern

- 1) Description: Text box
- 2) Photograph of damaged structure: photo/s
- 3) Location: text box
- 4) Effect: text box
- 5) Remedial measures: Text box

NON-DESTRUCTIVE TESTING

- 1) Rebound hammer test**
- 2) Ultrasonic pulse velocity**
- 3) Crushing Strength**
- 4) Core cutting/ Sampling**
- 5) Carbonation Test**
- 6) Chloride Test**
- 7) Sulfate Test**
- 8) Half-Cell potential test**
- 9) Concrete Cover**
- 10) Reduction in bar diameter**