

Knit Plus Limited (Unit-2)

Jahar Chnada, Belma, Ashulia, Savar.

(23°53'55.0"N 90°17'31.9"E)

09 December 2024 & 29 December 2024

Structural Inspection Report



1. Building information

- Building-1A (5 storied steel building)
- Building-1B (10 storied RC building)
- Building-2 (Office building)
- Building-3 (Sub-station Building)
- Building-4 (Utility Building)
- Building-5 (Embroidery Building)
- Building-6 (E.T.P Building)
- Building-7 (Fire control room)
- Building-8 (Gas Boiler building)
- Building-9 (Maintenance Office building)
- Building-10 (Old ETP Building)
- Shed-1 (Dyeing Shed)
- Shed-2 (Poly Shed)
- Shed-3 (AOP Shed)
- Shed-4 (Store Shed)
- Shed-5 (Carton Shed)
- Shed-6 (Sample Dyeing Shed)
- Shed-7 (Boiler Shed)
- Shed-8 (AOP Finishing Shed)
- Shed-9 (EGB Shed)
- Shed-10 (Gas Generator Shed)
- Shed-11 (Brush & Dryer Shed)
- Shed-12 (Chemical Store Shed)
- Shed-13 (Wastage Store Shed)
- Shed-14 (Breeding Shed)
- Shed-15 (Footwear Shed)
- Shed-16 (Embroidery Shed)
- Shed-17 (Maintenance Workshop)
- Shed-18 (Chemical Sub-Store)
- Shed-19 (Gray Fabrics Store)
- Shed-20 (New Dyeing Shed)
- Shed-21 (Sludge Store Shed)
- Shed-22 (WTP Shed)

2. Observation

Observation 1: No credible document is available. Detail Engineering Assessment (DEA) needs to be performed. (Building-1A and 1B).



The building-1 consists of two parts. The five storied steel part (Building-1A) and the ten storied RC part (Building-1B). Both parts are structurally separate. During inspection, no drawing and design documents were available for the structures except an incomplete structural drawing for the steel part. The foundation information for both parts is unknown.

The Factory engineer is required to survey the whole structure and prepare accurate as built drawing. Also building engineer is required to perform Detail Engineering Assessment (DEA) for the structure based on in-situ material strength, floor live load and geotechnical investigation report and prepare DEA report based on the FEA model.

Observation-2: Vegetation and exposed re-bar at roof (Building-1B).



Exposed re-bar and vegetation at roof

Exposed reinforcement was found on rooftop for columns. The factory engineer is required to provide anti-corrosive coating in the re-bar to prevent corrosion in exposed rebar.

Also, vegetation was found on the roof. The building engineer is required to remove the vegetation from the roof.

Observation 3: Lack of design documents (Building-2-Office building)



Description: As per BNBC, every building or structure designed shall have its design documents prepared by the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. At the time of inspection, the design report and structural drawing were unavailable. Besides, a set of architectural drawings was available without any elevation. Also, no load plan or test report (geotechnical investigation report/cylinder test report/rebar test report) was available. The building engineer is required to prepare a load plan, and geotechnical investigation report, verify concrete strength by taking 4 (minimum) cores from the column, and prepare a Detailed Engineering Assessment (DEA).

Observation 4: Hairline crack on floor beam (Building-2-Office building).



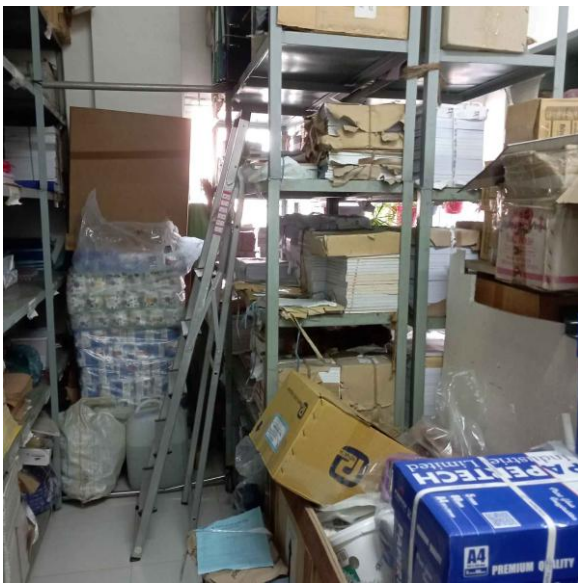
Description: A hairline crack was found on the roof floor beams. The building engineer is required to repair the crack with a suitable method.

Observation 5: Crack observed at connecting bridge area (Building-2-Office building).



Description: A connecting bridge was observed between Building 2 and the adjacent structure. However, a crack was observed on the slab of the connecting bridge at the Building-2 side. The building engineer is required to investigate the cracked area and prepare an investigation report. Also, prepare an assessment report on the bridge connecting as per onsite conditions. Implement remediation work accordingly.

Observation 6: Non-structural elements found unbraced/not anchored (Building-2-Office building).



Description: Non-structural elements found unbraced/not anchored. The building engineer is required to brace/anchor all non-structural elements.

Observation 7: Column plaster damage due to trolley impact (Building-2-Office building).



Description: Column plaster damage was found due to trolley impact. The building engineer is required to repair the plaster and provide a column guard to prevent trolley impact.

Observation 8: Lack of design documents. (Building 3-Sub-station Building).



Description: As per BNBC, every building or structure designed shall have its design documents prepared following the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. At the time of inspection, the design report was unavailable. Besides, a set of architectural drawings was available without any elevation. Also, no load plan or test report (geotechnical investigation report/cylinder test report/rebar test report) was available. The building engineer is required to prepare a load plan, and geotechnical investigation report, verify concrete strength by taking 4 (minimum) cores from the column, and prepare a Detailed Engineering Assessment (DEA).

Observation-9: No credible document available. Detail Engineering Assessment (DEA) needs to be performed. (Building-4).



Description: During the inspection, no drawing and design documents were available for the structures. Also, foundation information is unknown.

The Factory engineer is required to survey the whole structure and prepare accurate as-built drawings. Also building engineer is required to perform Detailed Engineering Assessment (DEA) for the structure based on in-situ material strength, floor live load and geotechnical investigation report and prepare DEA report based on the FEA model.

Observation-10: Trolley impact in column (Building-4).



Description: During inspection, trolley impact was found in the RC column. The building engineer is required to provide the barrier in the column to mitigate the trolley impact.

Observation 11: Lack of design documents. (Building 5-Embroidery Building).



Description: As per BNBC, every building or structure designed shall have its design documents prepared by the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. At the time of inspection, the design report and structural drawing were unavailable. Besides, a set of architectural drawings was available without any elevation. Also, no load plan or test report (geotechnical investigation report/cylinder test report/rebar test report) was available. The building engineer is required to prepare a load plan, and geotechnical investigation report, verify concrete strength by taking 4 (minimum) cores from the column, and prepare a Detailed Engineering Assessment (DEA).

Observation 12: Exposed reinforcement (Building 5-Embroidery Building).



Description: Exposed rebar was found on the east side of the building which is prone to corrosion. The building engineer is required to provide rust-proof paint on the exposed rebar.

Observation 13: Lack of design documents. (Building 6-E.T.P Building).



Description: As per BNBC, every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. At the time of inspection, the design report and structural drawing were unavailable. Besides, a set of architectural drawings was available without any elevation. Also, no load plan or test report (geotechnical investigation report/cylinder test report/rebar test report) was available. The building engineer is required to prepare a load plan, and geotechnical investigation report, verify in-situ concrete strength by taking 4 (minimum) cores from the column, and prepare a Detailed Engineering Assessment (DEA).

Observation-14: No credible document available. Detail Engineering Assessment (DEA) needs to be performed. (Building-7).



Description: During inspection, no drawing and design documents were available for the structures. Also, foundation information are unknown.

The Factory engineer is required to survey the whole structure and prepare accurate as built drawing. Also building engineer is required to perform Detail Engineering Assessment (DEA) for the structure based on in-situ material strength, floor live load and geotechnical investigation report and prepare DEA report based on the FEA model.

Observation-15: No credible document available. Detail Engineering Assessment (DEA) needs to be performed. (Building-8).



Description: During the inspection, no drawing and design documents were available for the structures. Also, foundation information is unknown.

The Factory engineer is required to survey the whole structure and prepare accurate as built drawings. Also building engineer is required to perform Detail Engineering Assessment (DEA) for the structure based on in-situ material strength, floor live load and geotechnical investigation report and prepare DEA report based on the FEA model.

Observation-16: No credible document is available. Detail Engineering Assessment (DEA) needs to be performed. (Building-9).



Description: During the inspection, no drawing and design documents were available for the structures. Also, foundation information are unknown.

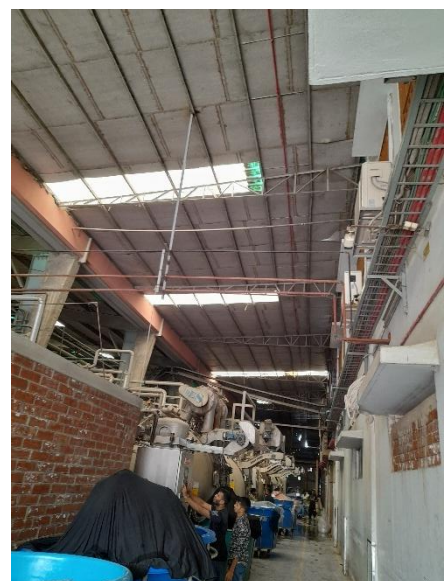
The Factory engineer is required to survey the whole structure and prepare accurate as-built drawings. Also building engineer is required to perform a Detail Engineering Assessment (DEA) for the structure based on in-situ material strength, floor live load and geotechnical investigation report and prepare a DEA report based on the FEA model.

Observation 17: Lack of design documents. (Building 10- Old ETP Building).



Description: As per BNBC, every building or structure designed shall have its design documents prepared by the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. At the time of inspection, the design report and structural drawing were unavailable. Also, no load plan or test report (geotechnical investigation report/cylinder test report/rebar test report) was available. The building engineer is required to prepare a load plan, and geotechnical investigation report, verify concrete strength by taking 4 (minimum) cores from the column, and prepare a Detailed Engineering Assessment (DEA).

Observation-18: No credible document available. Detail Engineering Assessment (DEA) needs to be performed. (Shed-1).



Description: During the inspection, no drawing and design documents were available for the structures. The lack of the lateral stability was found along the long direction of shed. Also, foundation information are unknown.

The Factory engineer is required to survey the whole structure and prepare accurate as built drawing. Also building engineer is required to perform Detail Engineering Assessment (DEA) for the structure based on in-situ material strength and geotechnical investigation report and prepare DEA report based on the FEA model.

Observation-19: Connection gap (Shed-1).



Description: During the inspection, a connection gap was found in the steel joint. The building engineer is required to repair the connection gap with a suitable method.

Observation-20: No credible document is available. Detail Engineering Assessment (DEA) needs to be performed. (Shed-2).



Description: During the inspection, no drawing and design documents were available for the structures. An incomplete structural drawing was available for the shed. Also, foundation information is unknown. The lack of lateral stability was found along the long direction for the shed. The Factory engineer is required to survey the whole structure and prepare accurate as built drawing. Also building engineer is required to perform Detail Engineering Assessment (DEA) for the structure based on in-situ material strength and geotechnical investigation report and prepare DEA report based on the FEA model.

Observation-21: Lack of a full set of design documents. Detail Engineering Assessment (DEA) needs to be performed. (Shed-3).



Description: During inspection, only structural drawing was available for the shed. Architectural drawing, load plan for the mezzanine and foundation information were not available. The Factory engineer is required to survey the whole structure and prepare accurate as built drawing. Also building engineers are required to perform Detail Engineering Assessment (DEA) for the structure based on in-situ material strength, floor live load and geotechnical investigation report and prepare DEA report based on the FEA model.

Observation-22: Loose cable bracing. (Shed-3)



Description: During the inspection, loose cable bracing was found. Building engineer is required to tighten the loose cable bracing.

Observation-23: Corrosion was found in steel section (Shed-3).



Description: During the inspection, corrosion was found in the steel section. The Building engineers are required to repair the corrosion and provide the anti-corrosive coating to avoid further corrosion.

Observation-24: No credible document available. Detail Engineering Assessment (DEA) needs to be performed. (Shed-4).



Description: During the inspection, no drawing, load plan and design documents were available for the structures. Also, foundation information is unknown. The lack of lateral stability was found along the long direction of the shed.

The Factory engineer is required to survey the whole structure and prepare accurate as-built drawings. Also building engineer is required to perform a Detail Engineering Assessment (DEA) for the structure based on in-situ material strength and geotechnical investigation report and prepare a DEA report based on the FEA model.

Observation-25: No credible document available. Detail Engineering Assessment (DEA) needs to be performed. (Shed-5).



Description: During the inspection, no drawing, load plan and design documents were available for the structures. Also, foundation information is unknown. The lack of lateral stability was found along the long direction of the shed.

The Factory engineer is required to survey the whole structure and prepare accurate as built drawings. Also building engineer is required to perform a Detail Engineering Assessment (DEA) for the structure based on in-situ material strength and geotechnical investigation report and prepare a DEA report based on the FEA model.

Observation 26: Absence of design documents (Shed-6)



Shed 6

Description: As per BNBC, every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. However, at the time of inspection, the design report and as-built drawing were not available. The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).

Observation 27: Absence of design documents (Shed- 7)



(Shed- 7)

Description: As per BNBC, every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. However, at the time of inspection, the design report and as-built drawing were not available. The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).

Observation-28: No credible document available. Detail Engineering Assessment (DEA) needs to be performed. (Shed-8).



Description: During the inspection, no drawing, load plan and design documents were available for the structures. Also, foundation information is unknown. The lack of lateral stability was found along the long direction of the shed.

The Factory engineer is required to survey the whole structure and prepare accurate as built drawings. Also building engineer is required to perform a Detail Engineering Assessment (DEA) for the structure based on in-situ material strength and geotechnical investigation report and prepare a DEA report based on the FEA model.

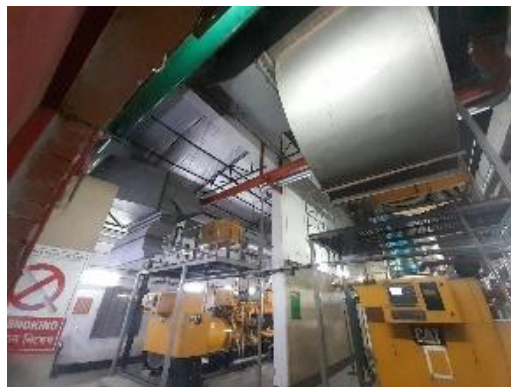
Observation 29: Lack of lateral stability and absence of design documents (Shed- 9)



Shed 9

Description: During the inspection, it was observed that Shed 9 is partially connected with Shed 7. However, no lateral load transfer mechanism is provided to adequately transfer lateral loads between the sheds. Additionally, a bracing system is absent in the structure, which raises concerns about lateral stability. Also, as per BNBC, every building or structure designed shall have its design documents prepared following the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. During the inspection, neither the design report nor the as-built drawings were available for review. The building engineer must verify the lateral stability of Shed 9 and Shed 7 and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).

Observation 30: Lack of lateral stability and absence of design documents (Shed- 10)



Shed 10

Description: Lateral load transfer media is not provided to transfer the lateral load. Also, the bracing system is not provided. Also, as per BNBC, every building or structure designed shall have its design documents prepared following the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. However, at the time of inspection, the design report and as-built drawing were not available. The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).

Observation 31: Lack of lateral stability and absence of design documents (Shed- 11)



Shed 11

Description: Lateral load transfer media is not provided to transfer the lateral load. Also, the bracing system is not provided. Also, as per BNBC, every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. However at the time of inspection, the design report and as-built drawing were not available. The building engineer is required to check the lateral stability of the sheds, and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).

Observation 32: Lack of lateral stability and improper connection in roof shed. (Shed- 14)



Shed 14

Description: Lateral load transfer media is not provided to transfer the lateral load. Also, improper connection was observed in the roof shed. The building engineer is required to check the lateral stability and connection adequacy of the shed, and prepare the safety check report and as-built drawing.

Observation 33: Lack of lateral stability and absence of design documents (Shed- 15).



Shed 15

Description: Lateral load transfer media is not provided to transfer the lateral load. Also, the bracing system is not provided. Also, as per BNBC, every building or structure designed shall have its design documents prepared following the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. However, at the time of inspection, the design report and as-built drawing were not available. The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).

Observation 34: Lack of lateral stability/design documents. (Shed 16 Embroidery Shed).



Description: As per BNBC, every building or structure designed shall have its design documents prepared following the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. At the time of inspection, the design report and structural drawing were unavailable. Besides, no test report (geotechnical investigation report/cylinder test report/rebar test report) was available. Also, no bracing system (strut/vertical or horizontal bracing) was observed. The building engineer is required to check lateral stability, prepare a geotechnical investigation report, verify steel strength, and prepare a Detailed Engineering Assessment (DEA).

Observation 35: Absence of design documents (Shed- 18).



Shed 18

Description: As per BNBC, every building or structure designed shall have its design documents prepared following the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. However, at the time of inspection, the design report and as-built drawing were not available. The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).

Observation 36: Lack of lateral stability and absence of design documents (Shed- 19).



Shed 19

Description: Lateral load transfer media is not provided to transfer the lateral load. Also, the bracing system is not provided. Also, as per BNBC, every building or structure designed shall have its design documents prepared by the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. However, at the time of inspection, the design report and as-built drawing were not available. The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).

Observation 37: Lack of lateral stability and improper connection in the roof shed. (Shed- 20)



Description: Lateral load transfer media is not provided to transfer the lateral load. Also, improper connection was observed in the roof shed. The building engineer is required to check the lateral stability and connection adequacy of the shed and prepare the safety check report and as-built drawing.

Observation 38: Lack of as-built drawing (Shed-12, Shed-13, Shed-17, Shed-21).



Description: At the time of the inspection only an architectural layout was available, but an as-built structural drawing was not available for any of these structures. The building engineer is required to prepare a full set of as-built drawings including structural drawings.

Observation 39: Absence of bracing system and poor connection (Shed-12, Shed-13, Shed-17, Shed-21).



Description: No bracing system (strut/vertical or horizontal bracing) was observed to transmit and resist the lateral load. The building engineer is required to prepare a safety check report for the bracing system and prepare a remediation plan for connection and lateral bracing (strut, bracing). Submit to RSC for review.

Observation 40: Absence of local authority permit drawing for all structure.



Master layout of the premises

Description: At the time of inspection approval drawing from local authority was not available for any of the structures. Factory is required to collect approval drawing from local authority for all the structures.

3. Action Plan

Item No.	Observation	Action Plan	Timeline
1.	No credible document is available. Detail Engineering Assessment (DEA) needs to be performed. (Building-1A and 1B).	The building engineer is required to survey the whole structure and prepare accurate as-built drawings.	within 6 weeks
2.		The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
3.		Verify in-situ concrete strength by taking 4 cores (minimum) from the column.	within 6 weeks
4.		Prepare a geotechnical investigation report.	within 6 weeks
5.		Produce and actively manage the load.	within 6 weeks
6.		Implement remediation work if required.	within 6 months
7.		Implement the floor load management program	within 6 weeks
8.	Vegetation and exposed re-bar at the roof (Building-1B).	The building engineer is required to repair the corrosion in the rebar and provide an anti-corrosive coating.	within 6 weeks
9.		The building engineer is required to remove all the vegetation.	within 6 weeks
10.	Lack of design documents (Building-2-Office building).	The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
11.		Produce and actively manage the load.	within 6 weeks
12.		The building engineer is required to update the as-built drawing.	within 6 weeks
13.		Prepare a geotechnical investigation report.	within 6 weeks
14.		Verify in-situ concrete strength by taking 4 cores (minimum) from the column.	within 6 weeks
15.		Implement remediation work if required.	within 6 months

16.	Hairline crack on the floor beam (Building-2-Office building).	The building engineer is required to repair the crack with a suitable method.	within 6 weeks
17.	Crack was observed at the connecting bridge area (Building-2-Office building).	The building engineer is required to investigate the cracked area and prepare an investigation report. Also, prepare an assessment report on the bridge connecting as per onsite conditions.	within 6 weeks
18.		Implement remediation work accordingly.	within 6 months
19.	Column plaster damage due to trolley impact (Building-2-Office building).	The building engineer is required to repair the plaster and provide a column guard to prevent trolley impact.	within 6 weeks
20.	Nonstructural elements were found not anchored/braced (Building-2-Office building).	The building engineer is required to anchor/brace all nonstructural elements within the factory.	within 6 months
21.	Lack of design documents. (Building 3-Sub-station Building).	The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
22.		Produce and actively manage the load.	within 6 weeks
23.		The building engineer is required to update the as-built drawing.	within 6 weeks
24.		Prepare a geotechnical investigation report.	within 6 weeks
25.		Verify in-situ concrete strength by taking 4 cores (minimum) from the column.	within 6 weeks
26.		Implement remediation work if required.	within 6 months
27.	No credible document was available. Detail Engineering Assessment (DEA) needs to be performed. (Building-4).	The building engineer is required to survey the whole structure and prepare accurate as-built drawings.	within 6 weeks
28.		The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
29.		Implement remediation work if required.	within 6 weeks
30.	Trolley impact in column (Building-4).	The building engineer is required to provide a column guard to mitigate the trolley impact.	within 6 weeks

31.	Lack of design documents (Building 5-Embroidery Building).	The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
32.		Produce and actively manage the load.	within 6 weeks
33.		The building engineer is required to update the as-built drawing.	within 6 weeks
34.		Prepare a geotechnical investigation report.	within 6 weeks
35.		Verify in-situ concrete strength by taking 4 cores (minimum) from the column.	within 6 weeks
36.		Implement remediation work if required.	within 6 months
37.	Exposed reinforcement (Building 5-Embroidery Building).	The building engineer is required to provide rust-proof paint on the exposed rebar.	within 6 months
38.	Lack of design documents. (Building 6-E.T.P Building).	The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
39.		Produce and actively manage the load.	within 6 weeks
40.		The building engineer is required to update the as-built drawing.	within 6 weeks
41.		Prepare a geotechnical investigation report.	within 6 weeks
42.		Verify in-situ concrete strength by taking 4 cores (minimum) from the column.	within 6 weeks
43.		Implement remediation work if required.	within 6 months
44.	No credible document is available. Detail Engineering Assessment (DEA) needs to be performed. (Building-7).	The building engineer is required to survey the whole structure and prepare accurate as-built drawings.	within 6 weeks
45.		The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
46.		Produce and actively manage the load.	within 6 weeks
47.		Implement remediation work if required.	within 6 months
48.		Implement the floor load management program	within 6 months

49.	No credible document is available. Detail Engineering Assessment (DEA) needs to be performed. (Building-8).	The building engineer is required to survey the whole structure and prepare accurate as-built drawings.	within 6 weeks
50.		The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
51.		Implement remediation work if required.	within 6 months
52.	No credible document is available. Detail Engineering Assessment (DEA) needs to be performed. (Building-9).	The building engineer is required to survey the whole structure and prepare accurate as-built drawings.	within 6 weeks
53.		The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
54.		Produce and actively manage the load.	within 6 weeks
55.		Implement remediation work if required.	within 6 months
56.		Implement the floor load management program	within 6 months
57.	Lack of design documents. (Building 10- Old ETP Building).	The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
58.		Produce and actively manage the load.	within 6 weeks
59.		The building engineer is required to update the as-built drawing.	within 6 weeks
60.		Prepare a geotechnical investigation report.	within 6 weeks
61.		Verify in-situ concrete strength by taking 4 cores (minimum) from the column.	within 6 weeks
62.		Implement remediation work if required.	within 6 months
63.	No credible document is available. Detail Engineering Assessment (DEA) needs to be performed. (Shed-1).	The building engineer is required to survey the whole structure and prepare accurate as-built drawings.	within 6 weeks
64.		The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
65.		Produce and actively manage the load.	within 6 weeks
66.		Implement remediation work if required.	within 6 months
67.		Implement the floor load management program	within 6 months

68.	Connection gap (Shed-1).	The building engineer is required to repair the connection gap.	within 6 weeks
69.	No credible document is available. Detail Engineering Assessment (DEA) needs to be performed. (Shed-2).	The building engineer is required to survey the whole structure and prepare accurate as-built drawings.	within 6 weeks
70.		The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
71.		Implement remediation work if required.	within 6 months
72.	Lack of full set of design documents. Detail Engineering Assessment (DEA) needs to be performed. (Shed-3).	The building engineer is required to survey the whole structure and prepare accurate as-built drawings.	within 6 weeks
73.		The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
74.		Produce and actively manage the load.	within 6 weeks
75.		Implement remediation work if required.	within 6 months
76.		Implement the floor load management program	within 6 months
77.	Loose cable bracing. (Shed-3)	The building engineer is required to tighten the loose bracing.	within 6 months
78.	Corrosion was found in the steel section (Shed-3).	The building engineer is required to repair the corrosion and provide an anti-corrosive coating.	within 6 weeks
79.	No credible document is available. Detail Engineering Assessment (DEA) needs to be performed. (Shed-4)	The building engineer is required to survey the whole structure and prepare accurate as-built drawings.	within 6 weeks
80.		The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
81.		Produce and actively manage the load.	within 6 weeks
82.		Implement remediation work if required.	within 6 months
83.		Implement the floor load management program	within 6 months

84.	No credible document is available. Detail Engineering Assessment (DEA) needs to be performed. (Shed-5).	The building engineer is required to survey the whole structure and prepare accurate as-built drawings.	within 6 weeks
85.		The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
86.		Produce and actively manage the load.	within 6 weeks
87.		Implement remediation work if required.	within 6 months
88.	Absence of design documents (Shed-6)	Implement the floor load management program	within 6 months
89.		The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).	within 6 weeks
90.		Implement remediation work if required.	within 6 months
91.	Absence of design documents (Shed- 7)	The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).	within 6 weeks
92.		Implement remediation work if required.	within 6 months
93.	No credible document is available. Detail Engineering Assessment (DEA) needs to be performed. (Shed-8).	The building engineer is required to survey the whole structure and prepare accurate as-built drawings.	within 6 weeks
94.		The building engineer is required to prepare a Detailed Engineering Assessment (DEA) and submit it to RSC for review.	within 6 weeks
95.		Implement remediation work if required.	within 6 months
96.	Lack of lateral stability and absence of design documents (Shed- 9)	The building engineer must verify the lateral stability of Shed 9 and Shed 7 and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).	within 6 weeks
97.		Implement remediation work if required.	within 6 months

98.	Lack of lateral stability and absence of design documents (Shed- 10)	The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).	within 6 weeks
99.		Implement remediation work if required.	within 6 months
100.	Lack of lateral stability and absence of design documents (Shed- 11)	The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).	within 6 weeks
101.		Implement remediation work if required.	within 6 months
102.	Lack of as-built drawing (Shed-12)	The building engineer is required to prepare a full set of as-built drawings including structural drawings.	within 6 weeks
103.	Absence of bracing system and poor connection (Shed 12)	The building engineer is required to prepare a safety check report for the bracing system and prepare a remediation plan for connection and lateral bracing (strut, bracing). Submit to RSC for review.	within 6 weeks
104.		Implement remediation work if required.	within 6 months
105.	Lack of as-built drawing (Shed-13)	The building engineer is required to prepare a full set of as-built drawings including structural drawings.	within 6 weeks
106.	Absence of bracing system and poor connection (Shed 13)	The building engineer is required to prepare a safety check report for the bracing system and prepare a remediation plan for connection and lateral bracing (strut, bracing). Submit to RSC for review.	within 6 weeks
107.		Implement remediation work if required.	within 6 months
108.	Lack of lateral stability and improper connection in the roof shed. (Shed- 14)	The building engineer is required to check the lateral stability and connection adequacy of the shed and prepare the safety check report and as-built drawing.	within 6 weeks
109.		Implement remediation work if required.	within 6 months

110.	Lack of lateral stability and absence of design documents.	The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).	within 6 weeks
111.	(Shed- 15)	Implement remediation work if required.	within 6 months
112.	Lack of lateral stability/design documents.	The building engineer is required to check lateral stability, prepare a geotechnical investigation report, verify steel strength, and prepare a Detailed Engineering Assessment (DEA).	within 6 weeks
113.	(Shed 16 Embroidery Shed).	Implement remediation work if required.	within 6 months
114.	Lack of as-built drawing (Shed 17)	The building engineer is required to prepare a full set of as-built drawings including structural drawings.	within 6 weeks
115.	The absence of a bracing system and poor connection (Shed 17)	The building engineer is required to prepare a safety check report for the bracing system and prepare a remediation plan for connection and lateral bracing (strut, bracing). Submit to RSC for review.	within 6 weeks
116.		Implement remediation work if required.	within 6 months
117.	Absence of design documents (Shed 18)	The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).	within 6 weeks
118.		Implement remediation work if required.	within 6 months
119.	Lack of lateral stability and absence of design documents (Shed- 19)	The building engineer is required to check the lateral stability of the sheds and prepare the design report and as-built drawing in compliance with section 1.9.1 (Part 6, BNBC).	within 6 weeks
120.		Implement remediation work if required.	within 6 months
121.	Lack of lateral stability and improper connection in the roof shed. (Shed- 20)	The building engineer is required to check the lateral stability and connection adequacy of the shed and prepare the safety check report and as-built drawing.	within 6 weeks
122.		Implement remediation work if required.	within 6 months

123.	Lack of as-built drawing (Shed-21)	The building engineer is required to prepare a full set of as-built drawings including structural drawings.	within 6 weeks
124.	Absence of bracing system and poor connection (Shed 21)	The building engineer is required to prepare a safety check report for the bracing system and prepare a remediation plan for connection and lateral bracing (strut, bracing). Submit to RSC for review.	within 6 weeks
125.		Implement remediation work if required.	within 6 months
126.	Absence of local authority permit drawing for all structure.	Factory is required to collect approval drawing from local authority for all the structures.	within 6 weeks