Texworld Knitwear Ltd.

Sutipara, Kalampur, Dhamri,
(23.922191, 90.139861)
7 May 2025

Structural Inspection Report

1. Building Information:

Building -1 (Production Building)	2-storied (G+1) Steel building.
Building -2 (Utility)	2-storied (G+1) RC building.
Building -3 (Dining Shed)	Single-storied Steel shed.
Building-4 (Boiler Room)	Single-storied Steel shed.
Building-5 (Wastage Shed)	Single-storied wooden structure.

2. Observations

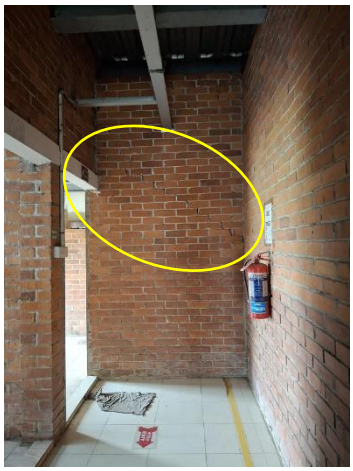
Observation 01: Lack of building permit drawings for all structures.


Description: During inspection, building permit drawing from local authority and machine layout drawings from DIFE were not found for any structures.

Observation 02: Lack of as-built steel superstructural drawings, load management plan, design report, concrete/steel material test report and soil test report. (Building -1 (Production Building)

Description: During inspection, only sub-structural RC drawings were available. No as-built drawing was found for steel super structure and there was no design report for the building. Also, there was no in-situ steel/concrete material test report and soil test report for the building.
The building engineer is required to carry out Detail Engineering Assessment (DEA) for the structure to verify the foundation details, in-situ concrete/steel/soil material strength, and prepare assessment report and load management plan. Prepare a full set of DEA documents with detailed remedial action plan. Submit the DEA documents to the RSC for review.

Observation 03: Crack on brick walls. [Building -1 (Production Building)]




Description: Diagonal crack observed on brick wall of toilet zone of the building.

Observation 04: Corrosion on steel member. (Building -1 (Production Building)

Description: Corrosion observed on steel bracing member in the toilet zone.

Observation 05: Connection gap between joint plates and extra punch on bracing gusset plate. (Building -1 (Production Building)

Description: Connection gap between joint plates and extra punch on bracing gusset plate observed.

Observation 06: Lack of as-built drawings, material test report and design documents. [Building -2 (Utility Building)]



Description: During inspection, No as-built drawing was found for the building. Also, there was no in-situ steel/concrete material test report and soil test report for the building.
The building engineer is required to carry out Detail Engineering Assessment (DEA) for the structure to verify the foundation details, in-situ concrete/steel/soil material strength, and prepare assessment report. Prepare a full set of DEA documents with detailed remedial action plan. Submit the DEA documents to the RSC for review.

Observation 07: Crack on brick walls. [Building -2 (Utility Building)]


Description: Horizontal crack observed on internal brick wall of the building.

Observation 08: Falling hazard on roof. [Building -2 (Utility Building)]


Description: Horizontal crack observed on internal brick wall of the building.

Observation 09: Lack of as-built drawing and connection details. [Building -3 (Dining Building)]


Description: As-built drawings were not available for the structure.

Observation 10: Lack of as-built drawings. [Building -4 (Boiler Building)]

Description: As-built drawings were not available for the structure.

Observation 11: No engineered wooden Wastage Shed.


Description: The inadequate size of wooden member and frame arrangement doesn't comply with safety requirement.

Observation 12: Heavy vehicle movement on UGWR top slab adjacent to Building-1.



Description: During inspection, Heavy vehicle movement on UGWR top slab adjacent to Building-1. The UGWR top slab details were not available in the provided drawings.

3. Action Plan:

Item No	Observation	Action Plan	Timeline
1.	Lack of building permit drawings for all structures.	Collect building permit drawing from concern local authority.	within 6 months
2.	Lack of as-built steel superstructural drawings, load management plan, design report, concrete/steel material test report and soil test report. (Building -1 (Production Building)	Survey the structure and prepare as-built drawings with foundation and connection details.	within 6 weeks
3.		Verify in-situ material (concrete & steel) material strength by taking sample from existing building members.	within 6 weeks
4.		Conduct onsite soil investigation and prepare soil test report with necessary information.	within 6 weeks
5.		Carry out Detail Engineering Assessment (DEA) report with remedial actions considering as-built structural system and in-situ material strength. Submit DEA documents to the RSC for review.	within 6 weeks
6.		Produce and actively manage a loading plan for all floor plates considering floor, column and foundation capacity.	within 6 weeks
7.		Carry out suggested remedial works if required.	within 6 months
8.	Crack on brick walls. [Building -1 (Production Building)]	Identify the reason & extent of the crack and repair the crack accordingly.	within 6 weeks
9.	Corrosion on steel member. [Building -1 (Production Building)]	Identify the locations, remove the rusting and apply anti-corrosive coating with suitable method.	within 6 weeks
10.	Connection gap between joint plates and extra punch on bracing gusset plate. (Building -1 (Production Building)	Repair the connection gap and gusset plate punch with suitable method.	within 6 weeks
11.	Lack of as-built drawings, material test report and design documents. [Building -2 (Utility Building)]	Survey the structure and prepare as-built drawings with foundation and connection details.	within 6 weeks
12.		Verify in-situ material concrete/steel material strength by taking sample from existing building members.	within 6 weeks
13.		Conduct onsite soil investigation and prepare soil test report with necessary information.	within 6 weeks
14.		Carry out Detail Engineering Assessment (DEA) report with remedial actions	within 6 weeks

		considering as-built structural system and in-situ material strength. Submit DEA documents to the RSC for review.	
15.		Produce and actively manage a loading plan for all floor plates considering floor, column and foundation capacity.	within 6 weeks
16.		Carry out suggested remedial works if required.	within 6 months
17.	Crack on brick walls. [Building -2 (Utility Building)]	Identify the reason & extent of the crack and repair the crack accordingly.	within 6 weeks
18.	Falling hazard on roof. [Building -2 (Utility Building)]	Provide barriers/parapet to avoid falling hazard.	within 6 weeks
19.	Lack of as-built drawing and connection details. [Building -3 (Dining Building)]	Survey the structure and prepare as-built drawings with foundation and connection details.	within 6 weeks
20.	Lack of as-built drawings. [Building -4 (Boiler Building)]	Survey the structure and prepare as-built drawings with foundation and connection details.	within 6 weeks
21.	No engineered wooden Wastage Shed.	Check the adequacy of the framing members and prepare an assessment report and submit it to RSC for review. Otherwise, replace it with an engineered structure.	within 6 weeks
22.	Heavy vehicle movement on UGWR top slab adjacent to Building-1.	Prepare as-built drawings and check the adequacy of the UGWR top slab.	within 6 weeks