Sustainable Wet Processing Plant Ltd

434, Channapara, Word# 07, Block # D, Sreepur-1740, Gazipur, Bangladesh.

(24.202454, 90.422530)

17 December 2025

Structural Inspection Report

RSC RMG SUSTAINABILITY COUNCIL

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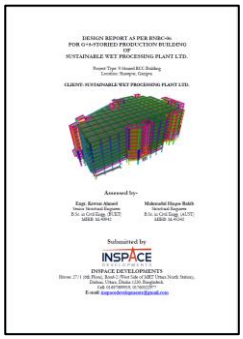
1. Building Information:

Production Building	Three storied (B+G+M+2)RC Building.
Utility Building	Three-storied (G+2) RC Building.
Jhute Boiler Room	Two storied (G+1) RC Building.
BBT Bridge	Single storied steel structure.
33/11 KV Substation	Single storied steel structure.
Disel Shed	Single storied steel structure.
Workshop Shed	Single storied steel structure.

1. Observation:

Observation 01: Prepared design report needs to be reviewed against lateral loading. (Production Building)



Description: Factory prepared design report for these structures. The building engineer is required to submit the prepared design report to RSC for detailed review against lateral forces.

Observation 02: Change of floor occupancy & mismatch in as-built drawing (Production Building)

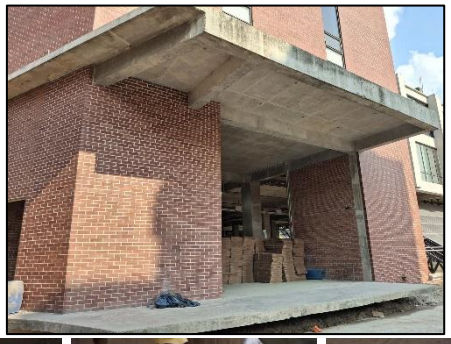
Production Building

Description: During inspection, change of floor occupancy was observed. And floor built ups on 1st & 2nd floors were not mentioned in the drawings. The building engineer is required to finalize the floor occupancies, update as-built drawings and load plan submit them to RSC.

Observation-03: Lack of floor load management (Production Building)

Description: Storage height marking was not found onsite. Also, some storage was found in non-dedicated storage areas. The building engineer is required to maintain floor occupancy as per prepared load plan, provide storage height marking and manage floor loading within limits.

Observation 04: Falling hazards at several locations (Production Building)




Description: Falling hazard observed at several locations including roof openings, stairs & landings, mezzanine floor open edge, loading-unloading platforms, internal & external drain openings. The building engineer is required to provide necessary parapets, railing, barriers, covers as required.

Observation 05: Potential vehicle impact on columns (Production Building)

Description: Signage of vehicle impact was observed on ground floor column at loading-unloading zone. The building engineer is required to provide separate barriers around the column to avoid vehicle impact on column.

Observation 06: Lack of anchorage for washing machinery, storge racks and electrical panel boards (Production Building)



Description: Lack of anchorage for non-structural elements including washing machinery, storge racks and electrical panel boards was observed within the building. The building engineer is required to provide adequate anchorage to protect them from tilting during seismic event.

Observation 07: Source of Vibration and Absence of Vibration Damper (Production Building)



Description: A washing machine has been identified as a source of vibration; however, no vibration damping pad was observed beneath the equipment. To mitigate the transmission of dynamic loads and potential adverse effects on the structural elements, the building engineer is required to provide an adequate vibration damper beneath the machinery.

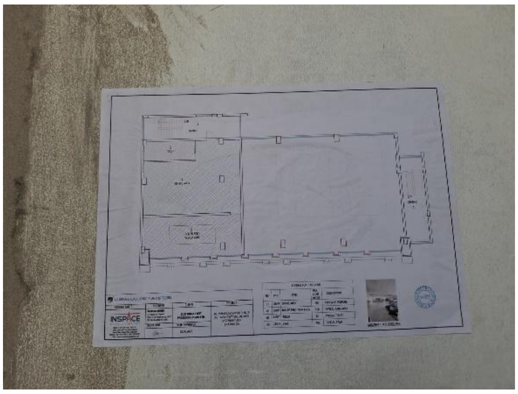
Observation 08: Possible vertical extension (Production building)


Description: The building is currently constructed up-to 3 storied (B+G+2) with a basement & mezzanine floor. Factory has a building permit for proposed 9 (B+G+8) storied building. The column of the roof was found extended which indicates possible future vertical extension of the building. However, prior to any kind the extension prepares Detail Engineering Assessment (DEA) and submit RSC for detail review.

Observation 09: Prepared design report needs to be reviewed against lateral loading. (Utility Building)

Description: Factory prepared design report for these structures. The building engineer is required to submit the prepared design report to RSC for detailed review against lateral forces.

Observation-10: Lack of floor load management (Utility Building)



Description: Undocumented storage was observed on top two floors. Also, storage height marking was not found onsite. The building engineer is required to maintain floor occupancy as per prepared load plan, provide storage height marking and manage floor loading within limits.

Observation 11: Falling hazards at several locations (Utility Building)

Description: Falling hazard observed at several locations including opening in stair waist slab, ground floor stair edge. The building engineer is required to provide necessary railing, barriers as required.

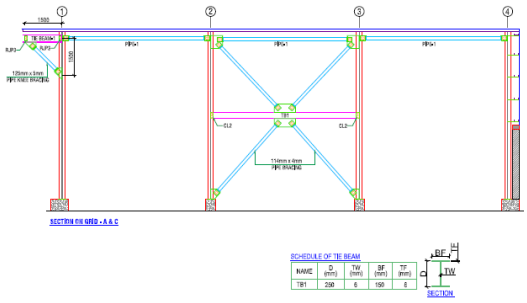
Observation 12: Lack of anchorage for electrical panel boards (Utility Building)

Description: Lack of anchorage for non-structural elements including electrical panel boards was observed within the building. The building engineer is required to provide adequate anchorage to protect them from tilting during seismic event.

Observation 13: Prepared design report needs to be reviewed against lateral loading. (Boiler Shed)

Description: Factory prepared design report for these structures. The building engineer is required to submit the prepared design report to RSC for detailed review against lateral forces.

Observation 14: Mismatch in as-built drawing (Boiler Shed)



Boiler Shed

Description: Bracing along long direction of the shed was missing onsite. The building engineer is required to update as-built drawings, check the design and submit them to RSC.

Observation 15: Falling hazards on ground floor (Boiler Shed)

Description: Falling hazard observed at ground floor slab edge. The building engineer is required to provide necessary railing, barriers as required.

Observation 16: Perforated poor gusset plate (Boiler Shed)

Description: Perforated poor gusset plate was observed. The building engineer is required to repair or replace the perforated gusset plate.

Observation 17: Lack of documents for ancillaries (Diesel Shed)

Description: The building engineer is required to prepare as-built drawings for the shed.

Observation 18: Inadequate and deflected steel member (Workshop Shed)

Description: The steel members and joints were found inadequate. Also, there was no obvious lateral stability system. The building engineer is required to prepare as-built drawings, check the adequacy of the steel shed, prepare engineering assessment report with necessary remedial action and submit to RSC for review. Carry out remedial work, otherwise demolish the structure.

2. Action Plan:

Item No	Observation	Action Plan	Timeline
1.	Prepared design report needs to be reviewed against lateral loading. (Production Building)	The building engineer is required to submit the prepared design report to RSC for detailed review against lateral forces.	within 6 weeks
2.		Carry out remedial work if required.	within 6 months
3.	Change of floor occupancy & mismatch in as-built drawing (Production Building)	The building engineer is required to finalize the floor occupancies, update as-built drawings and load plan submit them to RSC.	within 6 weeks
4.	Lack of floor load management (Production Building)	The building engineer is required to maintain floor occupancy as per prepared load plan, provide storage height marking and manage floor loading within limits.	within 6 weeks
5.	Falling hazards at several locations (Production Building)	The building engineer is required to provide necessary parapets, railing, barriers, covers as required.	within 6 weeks
6.	Potential vehicle impact on columns (Production Building)	The building engineer is required to provide separate barriers around the column to avoid vehicle impact on column.	within 6 weeks
7.	Lack of anchorage for washing machinery, storge racks and electrical panel boards (Production Building)	The building engineer is required to provide adequate anchorage to protect them from tilting during seismic events.	within 6 weeks
8.	Source of Vibration and Absence of Vibration Damper (Production Building)	To mitigate the transmission of dynamic loads and potential adverse effects on the structural elements, the building engineer is required to provide an adequate vibration damper beneath the machinery.	within 6 weeks
9.	Possible vertical extension (Production building)	Prior to any kind the extension prepares Detail Engineering Assessment (DEA) and submit RSC for detailed review.	within 6 months
10.	Prepared design report needs to be reviewed against lateral loading. (Utility Building)	The building engineer is required to submit the prepared design report to RSC for detailed review against lateral forces.	within 6 weeks
11.		Carry out remedial work if required.	within 6 months
12.	Lack of floor load management (Utility Building)	The building engineer is required to maintain floor occupancy as per prepared load plan, provide storage height marking and manage floor loading within limits.	within 6 weeks

13.	Falling hazards at several locations (Utility Building)	The building engineer is required to provide necessary railing, barriers as required.	within 6 weeks
14.	Lack of base anchorage for electrical panel boards (Utility Building)	The building engineer is required to provide adequate anchorage to protect them from tilting during seismic events.	within 6 weeks
15.	Prepared design report needs to be reviewed against lateral loading. (Boiler Shed)	The building engineer is required to submit the prepared design report to RSC for detailed review against lateral forces.	within 6 weeks
16.		Carry out remedial work if required.	within 6 months
17.	Mismatch in as-built drawing (Boiler Shed)	The building engineer is required to update as-built drawings, check the design and submit them to RSC.	within 6 weeks
18.	Falling hazards on ground floor (Boiler Shed)	The building engineer is required to provide necessary railing, barriers as required.	within 6 weeks
19.	Perforated poor gusset plate (Boiler Shed)	The building engineer is required to repair or replace the perforated gusset plate	within 6 weeks
20.	Lack of documents for ancillaries (Diesel Shed)	The building engineer is required to prepare as-built drawings for the shed.	within 6 weeks
21.	Inadequate and deflected steel member (Workshop Shed)	The building engineer is required to prepare as-built drawings, check the adequacy of the steel shed, prepare engineering assessment report with necessary remedial action and submit to RSC for review.	within 6 weeks
22.		Carry out suggested remedial works.	within 6 months