Consist Apparels Ltd. - Extension 2 (previously Workfield Knitwears)

Bawpara, Kaultia, Gazipur Sadar, Gazipur

(24.070661, 90.374491)

22 April 2024

RSC RMG SUSTAINABILITY COUNCIL

Level 5, Shanta Forum, 187, 188/B,
Bir Uttam Mir Shawkat Sarak, Tejgaon,
Dhaka- 1208, Bangladesh
PABX : +880 2 41081863-6
www.rsc-bd.org

1. Executive Summary

- Building-L (Guest House): Partially Two storied (G+1) meshonary structure.
- Building-H (Security Room-1): Single storied meshonary structure.
- Building-K (Security Room-2): Single storied meshonary structure.
- Building-I (Check Post): Single storied meshonary structure.
- Building-G (Finished goods & Leftover store) Single storied Steel Structure.
- Building-N (Wastage shed) Single storied shed.
- Building-M (Driver Rest Room) Single storied shed.
- Building-O (Pantry Room): Single storied shed.

2. Observations

Observation 1: Lack of lateral stability (Shed 1). (Finished goods & Leftover store)

Description: Load transfer media is not provided along the long direction for this shed. Therefore, the lateral stability system of the shed is incomplete. Building engineer is required to check the lateral stability of the structure.

Observation 2: Corrosion on steel member. (Finished goods & Leftover store)

Description: Corrosion was observed on the ground floor steel column. The building engineer is required to provide rust-proof paint on corroded steel members to protect from corrosion.

Observation-3: Absence of design documents. (Guest House)

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, part-6 of BNBC. At the time of inspection, only as-built drawings were available, but no design reports were available, which are required to be prepared in compliance with section 1.9.1.1 (part-6, BNBC).

Observation 4: Dampness on slab and walls. (Guest House)

Description: Severe dampness was on the slab and walls. Building engineer is required to carry out suitable remedial works to remove the dampness.

Observation-5: Apparently non-engineered connection. (Wastage shed)

Description: Inadequate connections were observed at the lightweight roof of the single-storied wooden sheds. The building engineer is required to check the connection adequacy of the lightweight roof against the uplift forces.

Observation-6: Lack of as-built drawings (Security Room-1, Check Post)

Description: As-built drawings were not available for the single-storied Security Room-1, Security Room-2, and Check Post. The building engineer is required to survey the whole structure and prepare a full set of as-built drawings.

3. Action Plan:

CAP ITEM NO.	Observation	Action Plan	Timeline
1	Lack of lateral stability. (Finished goods & Leftover store)	Building engineer is required to check the lateral stability of the structure.	within 6 weeks
2		Carry out remedial works where necessary.	within 6 months
3	Corrosion on steel member. (Finished goods & Leftover store)	The building engineer is required to provide rust-proof paint on corroded steel members to protect from corrosion.	within 6 weeks
4	Absence of design documents. (Guest House) Absence of design documents. (Guest House)	Building engineer is required to prepare the design documents including a design report, and a set of structural drawings in compliance with section 1.9.1.1 and section 1.9.1.2, part-6 of BNBC and submit it to RSC for review.	within 6 weeks
5		Implement remediation work if required.	within 6 months
6	Dampness on slab and walls. (Guest House)	Building engineer is required to carry out suitable remedial works to remove the dampness.	within 6 weeks
7	Apparently non-engineered connection. (Wastage shed)	The building engineer is required to check the connection adequacy of the lightweight roof against the uplift forces.	within 6 weeks
8		Carry out remedial works if required.	within 6 months
9	Lack of as-built drawings (Security Room-1, Security Check post-2, Check Post)	The building engineer is required to survey the whole structure and prepare a full set of as-built drawings.	within 6 weeks