

## **Summary of Preliminary Assessment on Structural, Fire and Electrical Safety**

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Name of the Factory	: Sweater Land Ltd.
Address of the Factory	: Kalampur Bazar, Dhamrai, Dhaka.
Present status of the factory	: Under Operation
Structural Assessment Conducted by	: BUET
Date of Structural Inspection	: 2014-11-26.
Fire Assessment Conducted by	: Not Known.
Date of Fire Inspection	: Not Known.
Electrical Assessment Conducted by	: Not Known.
Date of Electrical Inspection	: Not Known.
BGMEA Membership No.	: 4383

**BASIC INFORMATION:** The present garment factory is a RCC beam-column frame structural system. After the visual observation following general information are noted:

i. Building Usage Type	: Mixed(Market and sweater factory).
ii. Structural System	: RCC beam-column frame system.
iii. Floor System	: Edge supported RC solid floor slab system on RC beam.
iv. Floor Area	: Approx. 4250 ft per floor.
v. No. of Stories	: Three .
vi. Construction Year	: Phase 1(GF):2004-2005;phase 2(1 <sup>st</sup> and 2 <sup>nd</sup> floor):2007-2008.
vii. Foundation Type	: Individual footing(size unknown).
viii. Design Drawings	: Available.
ix. Soil Investigation Report	: Not available.
x. construction Materials	: Reinforced Concrete, brick chips.
xi. Generator	: Ground floor.

### **RECOMMENDATIONS FOR CORRECTIVE ACTION:**

**The recommendations of corrective action for both Structural and Fire & Electrical Safety comprises in Short Term, Mid Term and Long Term basis.**

**The recommendations for Structural Safety corrective action are:**

Short Term (Immediate)	: N/A
Mid Term (6-weeks)	: 1.Preparation of the detail as-built drawing 2. Factory owner have been instructed to prepare a load plan & submit it for vetting & approving. 3. Factory owner have been instructed to conduct a soil investigation & submit the report for approving.
Long Term (6-months)	: 1. No modification of structural configuration or further construction is to be carried out without detail analysis.

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2. No horizontal & vertical extension shall be made without detail investigation.

3. Detailed Engineering Assessment should be completed immediately.

The recommendations for **Fire & Electrical Safety** corrective action are:

**(A): Recommendations for Fire Safety corrective actions:**

Fire Assessment report not available.

**(A): Recommendations for Fire Safety corrective actions:**

Electrical Assessment report not Available.