

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

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Name of the Factory	: Ultimate Fashions Ltd.
Address of the Factory	: Dag# 281 & 284,J.L# 269,Ward#16,Ibrahimpur,Dhaka cantonment,Dhaka.
Present status of the factory	: Under Operation
Structural Assessment Conducted by	: BUET
Date of Structural Inspection	: 2014-05-18.
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.	: 3167

**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	: RMG Factory Building.
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. 14000 sft per floor.
v. No. of Stories	: Ten stories with one basement.
vi. Construction Year	: Not known during site visit.
vii. Foundation Type	: Pile footing(as per drawing)
viii. Design Drawings	: Available. But there are two drawing which are differ from each other.
ix. Soil Investigation Report	: Available.
x. construction Materials	: Reinforced Concrete, Stone chips.
xi. Generator	: At basement.

### **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)	: 1.Detailed Engineering Assessment should be commenced immediately. 2.Cracks in the beam should be monitored by a competent Engineer. 3. Loading in some areas should be reduced immediately.
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.

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Long Term (6-months)

- : 1. No modification of structural configuration or further construction is to be carried out without detail analysis.
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.