

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

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Name of the Factory	: That`S It Knit Ltd.
Address of the Factory	: SOUTH PANISAIL, KASHIMPUR UNION, GAZIPUR
Present status of the factory	: Under Operation
Structural Assessment Conducted by	: BUET
Date of Structural Inspection	: 2013-11-29
Fire Assessment Conducted by	: ALLIANCE.
Date of Fire Inspection	: 2014-10-27
Electrical Assessment Conducted by	: ALLIANCE.
Date of Electrical Inspection	: 2014-10-27
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 : RC Prestressed Flat Plate having slab thickness of 238 mm (Reported by the officials) with column capital & edge beam up To 3rd floor; the flat plate roof of 4th floor is not Prestressed And has thickness of 225 mm.
- iv. Floor Area : Approximately 3100 sq. m per floor with typical grid of 9.75m By 9.30m
- v. No. of Stories : Five story.
- vi. Construction Year : Not available (appears to be around 2006).
- vii. Foundation Type : Isolated footing (as per drawing).
- viii. Design Drawings : Available (Part).
- ix. Soil Investigation Report : Available.
- x. construction Materials : Reinforced Concrete.
- xi. Generator : Outside the building

### **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. Structural detail of Prestressed top floor slab should be prepared immediately.
3. Other than ground floor, loading intensity should be strictly maintained as 40 psf (2.0 kN/m<sup>2</sup>). At corner panels maximum recommended loading intensity is 20 psf (1.0 kN/m<sup>2</sup>).

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Mid Term (6-weeks) : 1. Soil bore log should be carried out at close proximity to the building in three to four locations as early as possible and should be brought to the notice of the Consultants.

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 find in Alliance report.

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

Electrical Assessment report find in Alliance report.