

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

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Name of the Factory	: Taati Fashion Apparels Ltd.
Address of the Factory	: Narsingdi Highway, Vulta, Rupganj, Narayanganj.
Present status of the factory	: Under Operation
Structural Assessment Conducted by	: BUET
Date of Structural Inspection	: 2014-02-19
Fire Assessment Conducted by	: ACCORD.
Date of Fire Inspection	: Not known.
Electrical Assessment Conducted by	: ACCORD.
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 : Ground supported slab. There are RCC slab/hollow block in the west part of the building.
- iv. Floor Area : Approximately 20000sq.ft per floor.
- v. No. of Stories : Five units of one storied building.
- vi. Construction Year : The Construction period is not known.
- vii. Foundation Type : Shallow RCC footing(as per drawing).
- viii. Design Drawings : Available (Part).
- ix. Soil Investigation Report : Available.
- x. construction Materials : Reinforced Concrete & steel.
- 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.

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 find in ACCORD report.

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

Electrical Assessment report find in ACCORD report.