

Summary of Preliminary Assessment on Structural, Fire and Electrical Safety

Name of the Factory	: Biswas Garments Ltd.
Address of the Factory	: Rajfulbaria, Ashulia, Saver, Dhaka.
Present Status of the Factory	: Under operation.
Structural Assessment Conducted by	: BUET
Date of Structural Inspection	: 7 November, 2014
Fire Assessment Conducted by	:
Date of Fire Inspection	:
Electrical Assessment Conducted by	:
Date of Electrical Inspection	:
BGMEA Membership No.	: 1221

BASIC INFORMATION:

The factory building is a seven storied RCC building. The following information was noted:

i. Building Usage Type	: Garment Factory.
ii. Structural System	: GF-5F: Flat plate, 6F-RC (Reinforced Concrete) beam column framing system.
iii. Floor System	: GF – 5F: Flat plate, 6F: RC beam supported slab .
iv. Floor Area	: 15000 ft ² per floor
v. No. of Stories	: 7 (Seven)
vi. Construction Year	: 2000-2004
vii. Foundation Type	: Pile foundation
viii. Design Drawings	: Available
ix. Soil Investigation Report	: Available
x. Construction Materials	: Stone aggregate.
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. The consultants strongly recommend storing any type of cartoon boxes, finished products and fabrics in such a manner so that intensity of loading should not exceed 40 psf (2.0 kN/m ²)
Mid Term (6-weeks)	: 1. As built Architectural and structural drawings of the different structural elements, foundation details to be prepared for the building. As part of this process building engineer will be required to make a number of checks on the as-built construction. 2. The factory owner has been instructed to prepare and submit a load plan for vetting. Once it is submitted by the factory owner, it will be duly vetted. The factory owner should arrange displaying the approved load plan for each floor on the wall in a visible location and shall adhere to it.
Long Term (6-months)	: 1. Detailed Engineering Analysis (DEA) shall have to be done following NTC guidelines.

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2. Coring with 4 nos. 4 in. cores (3 in. when taken from column) for the building and scanning of rebar in the GF.

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

(A): Recommendations for Fire Safety Corrective Actions:

Immediate <i>(the factory should not continue to be occupied until these non-conformities have been rectified):</i>	
Short Term <i>(Actions that must be incorporated into a Fire Safety Management Plan immediately (1 ~ 2 weeks) and should be a regular activity</i>	
Mid Term <i>(The remedial works indicated must be carried out within a period of 6 weeks)</i>	
Long Term <i>(The remedial works indicated must be carried out within a period of 6 months)</i>	

(B): Recommendations for Electrical Safety Corrective Actions:

Immediate <i>(the factory should not continue to be occupied until these non-conformities have been rectified):</i>	
Short Term <i>(Actions that must be incorporated into a Fire Safety Management Plan immediately (a week) and should be a regular activity</i>	

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Mid Term <i>(The remedial works indicated must be carried out within a period of 6 weeks)</i>	
Long Term <i>(The remedial works indicated must be carried out within a period of 6 months)</i>	