

Summary of Preliminary Assessment on Structural, Fire and Electrical Safety

Name of the Factory	: Birds Garments Ltd. Unit-2
Address of the Factory	: 113, Baipail, Ashulia, Savar, Dhaka.
Present Status of the Factory	: Under operation.
Structural Assessment Conducted by	: BUET
Date of Structural Inspection	:
Fire Assessment Conducted by	:
Date of Fire Inspection	:
Electrical Assessment Conducted by	:
Date of Electrical Inspection	:
BGMEA Membership No.	: 2455

BASIC INFORMATION:

The factory building is a three storied RCC building with beam and column system and flat slab system. The following information was noted:

i. Building Usage Type	: Garment Factory.
ii. Structural System	: RCC beam column system.
iii. Floor System	: Edge supported R.C solid floor slab system with R.C. beam at the edge.
iv. Floor Area	: Approx. 6250 sft/floor for P1 portion , approx.. 16000 sft/floor for P2 portion and approx.. 3800 sft/floor (as per structural drawing)
v. No. of Stories	: 6 for P1 and 5 for P2 and P3
vi. Construction Year	: 2006-2012 for P1 and 1994-1998 for P2 and P3.
vii. Foundation Type	: Individual column footing with different size (as per structural drawing).
viii. Design Drawings	: Available
ix. Soil Investigation Report	: Available
x. Construction Materials	: Brick 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. Moderate damp/efflorescence on plasters of the exterior walls in GF and 2 nd floor of the building should be repaired as soon as possible to ensure normal span of these non-structural members of the building. 2. 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 60 psf (2.87 kN/m ²) 3. No horizontal or vertical extension of the building shall be made without detail engineering assessment.
Mid Term (6-weeks)	: N/A

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Long Term (6-months) : N/A

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>	
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>	