

Summary of Preliminary Assessment on Structural, Fire and Electrical Safety

Name of the Factory	: Adorn Fashions Ltd.
Address of the Factory	: 228/7, Dighirchala, Chandana, Joydebpur, Gazipur
Present Status of the Factory	: Under operation.
Structural Assessment Conducted by	: BUET
Date of Structural Inspection	: 14 January, 2014
Fire Assessment Conducted by	:
Date of Fire Inspection	:
Electrical Assessment Conducted by	:
Date of Electrical Inspection	:
BGMEA Membership No.	: 5038

BASIC INFORMATION:

The present garment factory is housed in a Six-story reinforced concrete building. The reinforced concrete building is a RC frame with flat plate flooring system. The following information was noted:

i. Building Usage Type	: Commercial Building.
ii. Structural System	: RC columns with flat plate floors.
iii. Floor System	: Flat plate.
iv. Floor Area	: Approx. 6000- 7200 sft/floor (used by Bulbul Knitting)
v. No. of Stories	: 6 (Six)
vi. Construction Year	: 2008-2009 (as reported)
vii. Foundation Type	: Individual footing (3.05m×3.05m, Reinforcement: 20mm @5inch c/c both way)
viii. Design Drawings	: Reinforced concrete building design drawing is partially available (only one sheet). Consultant: Planning and Engineering Consultants, Jorpukur, Joydebpur, Gazipur.
ix. Soil Investigation Report	: Available (conducted in March 2008 by The National Soil Engineers, 186/A West Kafrul, Old Taltola, Sher-e-Bangla Nagar, Dhaka-1207)
x. Construction Materials	: Not Available (Assumed brick chips for RC and 40 Grade reinforcement).
xi. Generator	: Generator is located at the GF of 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)	: The factory owner has to prepare and submit the load plan for all floors within three weeks for approval
Mid Term (6-weeks)	: N/A
Long Term (6-months)	: A Detail Engineering Assessment (DEA) has to be completed. Necessary remediation's after completion of DEA.

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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>	