

Summary of Preliminary Assessment on Structural, Fire and Electrical Safety

Name of the Factory	: Ams Int'L (Sweaters) Ltd.
Address of the Factory	: 34 choydana, National University, Gazipur
Present Status of the Factory	: Under operation.
Structural Assessment Conducted by	: BUET
Date of Structural Inspection	: 3 February, 2014
Fire Assessment Conducted by	:
Date of Fire Inspection	:
Electrical Assessment Conducted by	:
Date of Electrical Inspection	:
BGMEA Membership No.	: 3687

BASIC INFORMATION:

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

i. Building Usage Type	: Garment Factory.
ii. Structural System	: RCC frame building.
iii. Floor System	: RC edge supported slab with 50mm thickness.
iv. Floor Area	: Approximately 790 sqm (8500 sft) per floor
v. No. of Stories	: Five
vi. Construction Year	: In phases (Started in 2000 and completed in 2003)
vii. Foundation Type	: Available
viii. Design Drawings	: Available
ix. Soil Investigation Report	: Available
x. Construction Materials	: Reinforced Concrete with brick chips(confirmed using geological hammer in column).
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)	: Due to concern with high slenderness of smaller interior columns (10"by10") at ground floor, a Detail Engineering Assessment (DEA) is recommended and should be completed in six weeks from issue date of this report A minimum of 4 number 4inch diameter cores (3inch if taken from column) are to be taken as soon as possible in column locations and tested with results used in the DEA report. Other than ground floor loading intensity should be strictly maintained as recommended.
Mid Term (6-weeks)	: As built drawings should be prepared immediately with proper dimensions of various structural members.
Long Term (6-months)	: N/A

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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>	