

Summary of Preliminary Assessment on Structural, Fire and Electrical Safety

Name of the Factory	: Tulip Sweater Ltd.
Address of the Factory	: Naljani, Chandana, Gazipur
Present Status of the Factory	: Under operation.
Structural Assessment Conducted by	: TUV
Date of Structural Inspection	: 18 February, 2015
Fire Assessment Conducted by	:
Date of Fire Inspection	:
Electrical Assessment Conducted by	:
Date of Electrical Inspection	:
BGMEA Membership No.	: 5643

BASIC INFORMATION:

The structural system of the building is single story structure which consists of industrial profile sheet on steel truss and supported by RCC columns. The following information was noted:

- | | |
|-------------------------------|---|
| i. Building Usage Type | : Garment Factory. |
| ii. Structural System | : Profile sheet truss structure supported by RCC columns. |
| iii. Floor System | : Ground Floor. |
| iv. Floor Area | : Total plinth area is 3500.00 sft. |
| v. No. of Stories | : Single storey shed |
| vi. Construction Year | : 2014 |
| vii. Foundation Type | : Not Identified |
| viii. Design Drawings | : Not Available |
| ix. Soil Investigation Report | : Not Available |
| x. Construction Materials | : Not Identified. |
| xi. Generator | : Adjacent to entry of 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) | : N/A |
| Mid Term (6-weeks) | : 1. As built architectural and engineering drawing to be prepared and submitted for approval by appropriate authority. As part of this process building engineer will be required to make a number of check on the structural design as described in the following recommendations. |
| Long Term (6-months) | : 1. The requirement of cross bracing between the trusses and sag rod in between purlins should be checked by building engineer and carry out any remedial actions as directed by the Building Engineer.
2. Requirement of structural member between the RCC columns should be checked and remedial actions should be taken. Lateral system is required to ensure the stability of the structure. |

Summary of Preliminary Assessment on Structural, Fire and Electrical Safety

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>	