

Summary of Preliminary Assessment on Structural, Fire and Electrical Safety

Name of the Factory	: S. B. KNIT WEAR
Address of the Factory	: 55/1, S M Maleh Road, Tanbazar, Narayanganj, Bangladesh
Present Status of the Factory	: Not Operational
Structural Assessment Conducted by	: ACCORD
Date of Structural Inspection	: 2014-07-09
Fire Assessment Conducted by	: TÜV SÜD Bangladesh (Pvt.) Ltd.
Date of Fire Inspection	: 2015-05-28
Electrical Assessment Conducted by	: TÜV SÜD Bangladesh (Pvt.) Ltd.
Date of Electrical Inspection	: 2014-02-22
BKMEA Membership No.	: 1212

BASIC INFORMATION:

- i. Building Usage Type : Garment factory
- ii. Structural System : RCC beam column frame,
- iii. Floor System : Beam column system, flat plate partially

- iv. Floor Area : The typical plinth area is 10,464 sq. ft. and total floor area is 63,131 sq. ft.

- v. No. of Stories : 9 (nine) storied RCC building with single Basement.

- vi. Construction Year : Basement to 3rd floor at 1st phase =1999 to 2001
4th floor to 7th floor at 2nd phase = 2005 to 2007
8th floor at 3rd phase = 2013

- vii. Foundation Type : Not verified.
- viii. Design Drawings : Available (The building had approval from RAJUK on 24th March, 1999 for commercial cum residential purpose.)

- ix. Soil Investigation Report : Not available
- x. construction Materials : Not mentioned.
- xi. Generator : Not found.

RECOMMENDATIONS FOR CORRECTIVE ACTION: No Critical or high risk observation was found during the day of assessment in the factory. During the assessment, A non- conformity was found for which long term corrective action is recommended. There is no need to suspend operation in the factory.

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| Short Term (Immediate) | : 1. Carry out a Detailed Engineering Assessment to check that the columns are adequate for the existing and proposed construction. See page 27 of report for more information. Reduce storage loading to 2 kPa while awaiting the DEA's findings.

2. Remove all loads from the floor area above this beam. |
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- Mid Term (6-weeks) : 1. Carry out any recommendations from the DEA.
2. Factory engineer to survey the building and produce as-built structural drawings.
3. Following DEA's recommendations, a loading plan should be provided to control all storage areas.
4. Carry out an Engineering Assessment to verify if this situation is safe for workers.
5. Carry out Engineering Assessment on the building to verify that it is stable under lateral loading as per BNBC.
- Long Term (6-months) : 1. Display and manage all maximum loading in storage area.
2. Carry out all of the Engineering Assessment's recommendations.
3. Carry out recommendations of Engineering Assessment.

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

(A): Recommendations for Fire Safety corrective actions:

As the entire fire safety required system of the factory was under installation. The level of compliance of the factory could not be determined for any of the 67 checkpoints as per the NTPA guidelines.

(B): Recommendations for Electrical Safety corrective actions:

As the entire electrical system of the factory was under installation.

The level of compliance of the factory could not be determined for any of the 74 checkpoints as per the NTPA guidelines.