Name of the Factory	:	**VERTEX WEAR LTD.**
Address of the Factory	:	Varari, Rajfulbaria, Tetuljhora, Savar
Dhaka Present Status of the Factory	:	**Under Operation**
Structural assessment conducted by	:	Accord (Full report available at bangladeshaccord.org)
Date of Structural Inspection	:	8 June, 2014
Fire & Electrical assessment conducted by	:	Accord (Full report available at bangladeshaccord.org)
Date of Fire & Electrical Inspection	:	11 March, 2014

Basic Information: The present garment factory is a commercial building with beam-column frame system. The following general information was noted:

i.	Building Usage Type	: Garment factory
ii.	Structural System	: R.C Beam and column frame with a 2-way solid slab. Secondary floor beams are also present.
iii.	Floor System	: Beam slab
iv.	Floor Area	: Unavailable
v.	No. of Stories	: 7 storied
vi.	Construction Year	: 2006
vii.	Foundation Type	: Unavailable
viii.	Design Drawings	: Available
ix.	Soil investigation Report	: Unavailable
x.	Construction Materials	: Unavailable
xi.	Generator	: Separate building in ground floor

Recommendations for Corrective Action: The recommendations of corrective action for both Structural and Fire & Electrical Safety are as follows:

The recommendations for Structural Safety corrective actions are:

Immediate (Now): Na

Mid Term (Within 6 Weeks):

1. Structural Design Engineer to provide loading plans based on bearing capacity of each floor for all buildings.

Long Term (Within 6 Months):

1. Post loading plans on each floor and manage accordingly.
2. Factory Engineer to review existing conditions for all buildings and revise structural drawings.
3. A Detailed Engineering Assessment is required for the cracked masonry façade.
4. A Detailed Engineering Assessment is required for the security post.
5. A Detailed Engineering Assessment is required for the steel roof of the wastage shed.

The recommendations for Fire Safety corrective actions are:

Immediate (Within 1 month):

1. Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.
2. Remove the door locks changes the to panic bar hardware.
3. Provide 2 hrs fire rated door or install additional separation room.
4. Replace all gates and sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.
5. Remove all the drinking station on both stairwell, Stairwell should be free from any obstruction.

Short Term (Within 3 Months):

1. Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level.
2. Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.
3. Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.
4. Provide Emergency lights and exit signs.
5. Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.

Mid Term (within 6 Months):

1. Remove single station smoke alarms. Provide automatic smoke detection throughout the building in Accordance with NFPA 72.

Long Term (More than 6 months):

1. Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.
2. Provide automatic sprinkler protection throughout the building in accordance with NFPA 13.

The recommendations for Electrical Safety corrective actions are:

Immediate (Within 1 month): NA

Short Term (Within 3 Months):

1. Cables passing through permanent walls must be protected in steel/PVC pipes and remaining hole around the pipe must be sealed.
2. HT cable dropping from HT pole must be protected in steel pipe of required size at least 2m from the ground level to protect the cable from any physical damage. The cable should be supported on covered tray or ladder throughout its length up to the HT panel base-plate (except the part of the cable laid underground at a depth of at least 1 meter).

3. Storage goods must be stored, keeping safe clearance from any electrical installation to reduce the risk of spreading fire due to short circuit.

Mid Term (Within 6 months): NA

Long Term (More than 6 months): NA