

FIRE SAFETY INSPECTION REPORT

East Coast Knitwear Pvt. Ltd.

ACCORD ID: 12453

**Takkarmath, Sehachar, Fatullah, Narayanganj-1420
(23.652386N, 90.477271E)**

Other Factories: None



**Inspected By: Nusrat Hossain Trisha, Md. Sajadul Islam Shuvo
Date: 01 November, 2016**

Fire Safety Inspection Report

Factory Name: East Coast Knitwear Pvt. Ltd.

Introduction:

East Coast Knitwear Pvt. Ltd. was surveyed for fire safety on 01 november, 2016 by the Accord Inspection Team. The purpose of the survey was to identify significant fire safety issues and to provide recommendations for remediation based on applicable standards specified by the Accord. The scope of this initial fire safety inspection was limited to the review and identification of major fire safety issues. The inspection did not include identification of minor deficiencies, which will be further addressed as part of follow-up inspections.

Limitations

The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and, therefore, The Accord cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.



General Factory Information

Factory Building(s): 6 storey RCC building

Factory Address: Takkarmath, Sehachar, Fatullah, Narayanganj-1420.

Points of contact:

Tareq Salahuddin Managing Director East Coast Knitwear Pvt. Ltd. Contact No: +8801819217900 Email: eastcoastknit@gmail.com	Dewan Mohammed Ismail Director East Coast Knitwear Pvt. Ltd. Contact No: +8801713194445 Email: eastcoastknit@gmail.com
	



Findings & Recommendations:

The below table summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue.

An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the Accord for approval.

Sl No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Generator/ compressor/ boiler room is not properly separated by fire rated construction with other occupancies/ areas in ground floor NW side.	Generator/ compressor/ boiler room shall be separated from other occupancies by a minimum 2-hr fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) shall be protected by 1.5-hr fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location. Or Relocate these to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 months

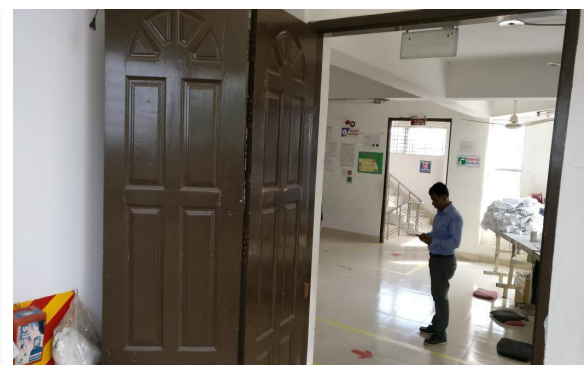




F-2	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/ areas in the ground floor east side.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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F-3	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.	Stairs shall be enclosed with a minimum 2-hr fire-rated construction. Seal all unprotected openings and provide minimum 1.5-hr fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing, positive latching and that they are provided with fire exit (panic) hardware where serving production floors.	Within 3 months
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F-4	Fire Rated Construction	Exit stair is discharging the occupants inside the building in ground floor.	1. Modify stair to discharge directly outside. Or 2. Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). Or 3. Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 6 months
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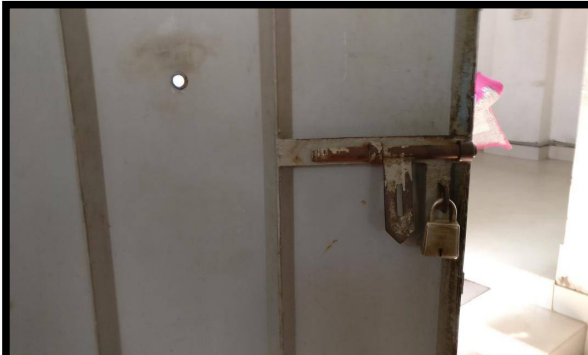
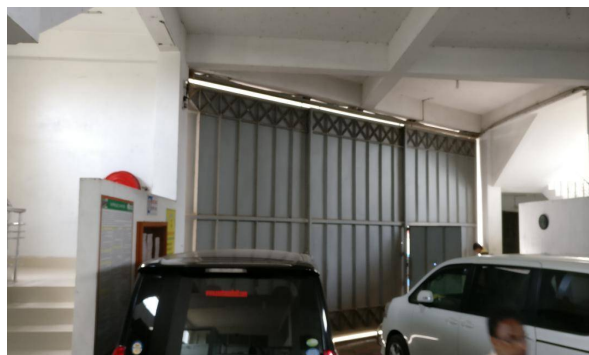


F-5	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. (Location: Electrical riser at NW side of the building)	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by fire rated materials to maintain the fire resistance rating. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor.	Within 3 months
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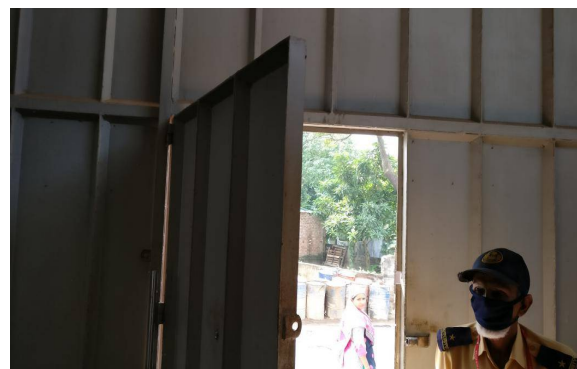
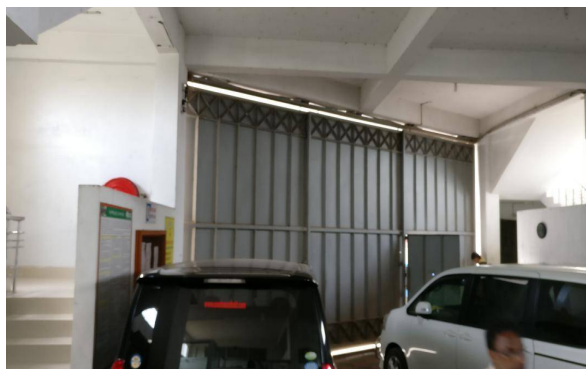


F-6	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures.	Seal all penetrations and openings in the wall of exit enclosure walls (full thickness of the wall) by fire rated materials to maintain the fire resistance rating.	Within 3 months
F-7	Egress	Doors along means of egress are provided with non compliant locking system in all floors including ground.	1. Remove all non compliant locking features from egress doors. 2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate





F-8	Egress	Egress door serving 50 or more occupants but does not swing in the direction of egress travel in ground floor.	Modify swing direction of egress doors to the direction of egress travel. Doors serving an occupant load of more than 50 shall swing in the direction (out-ward) of egress travel.	Within 1 month
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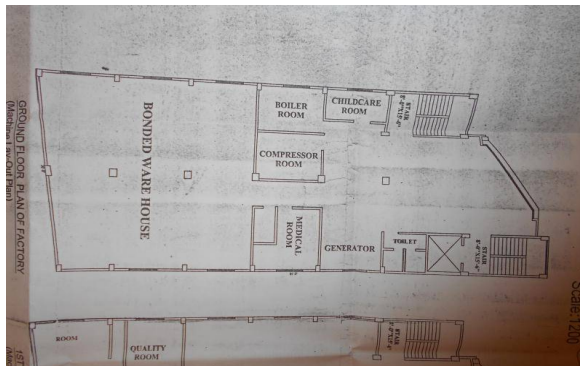


F-9	Egress	A single means of exit has been provided for ground floor.	Provide additional exit at ground floor (which needs to be remotely located from the existing exit)	Immediate
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F-10	Egress	The exits are not remotely located from each other such that a single fire event could compromise both exits. Location: All floors	Specify appropriate upgrade based on conditions: -Modify exit arrangement. -Provide additional exit(s).	Within 6 months
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F-11	Egress	Building did not have stair designation signs and occupant load signs at required locations.	Install signage adjacent to each stair door indicating the stair name and the floor level at the noted locations in both English and Bengali language. Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Immediate
F-12	Egress	Storage was located in the exit stair. (Ground floor)	Remove all storage from exit stairs.	Immediate
 				
F-13	Egress	Parapets or guards in the occupiable roof are less than 42 inches.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months



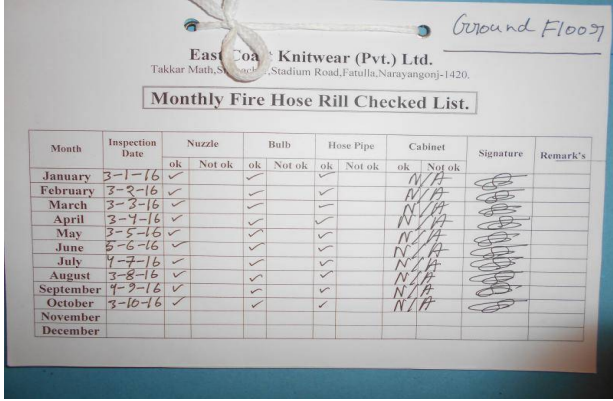


F-14	Fire Alarm & Detection System	The existing fire alarm system is not a listed system and does not provide automatic alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 month; Install within 9 months
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F-15	Fire Alarm & Detection System	Inspection, testing, and maintenance for the fire detection system is not in accordance with NFPA 72	Inspect, test and maintain the fire detection system and keep written records on-site, in accordance with NFPA 72.	Within 3 months
F-16	Fire Protection System	The existing factory building with an occupiable floor greater than 10 m (33 ft) above the finished grade is not protected with an approved standpipe system.	Install a new class III standpipe system & fire department connection in accordance with NFPA 14.	Design within 4 month; Install within 9 months



F-17	Fire Protection System	Inspection, testing, and maintenance of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25.	Within 3 months
				
F-18	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: All floors	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.	Within 3 months





F-19	Egress Lighting	Manual on-off switch is provided for [emergency lighting / exit signage] units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 3 months
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F-20	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
F-21	Fire Extinguishers ITM	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records onsite, in accordance with NFPA 10 and ACCORD standards.	Within 3 months
				

