

FIRE SAFETY INSPECTION REPORT

Hera Sweaters Limited.

ACCORD ID: 23943

Google Coordinate: 23.748098, 90.584118
Pechain, Jampur, Sonargaon, Narayanganj.

Other Factories: None



Inspected By: Mohammad Anayet Hossain, Md Rafat Arefin, Md Kamrul Hasan.

Date: 27 January, 2020.

Fire Safety Inspection Report

Factory Name: Hera Sweaters Limited.

Introduction:

Hera Sweaters Limited. complex was surveyed for fire safety on 27/Jan/2020 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 name(s): Building 1: Warehouse Building(G+2)
 Building 2: Production Building(G+2)
 Building 3: Utility Building(G)
 Building 4: Boiler and Chiller Building(G)
 Building 5: Multi purpose shad(G)

Factory Address: Pechain, Jampur, Sonargaon, Narayanganj.

Points of contact:

Contact - 1

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Contact - 2

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Findings & Recommendations :

Table:

Table summarizes the major fire safety issues identified during the inspection of the factory building. 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.

SI No.	Category	Findings	Required Action	Remediation Time Frame
Warehouse Building F-01	Fire Rated Construction	The exit stair is not separated from each floor by fire-rated construction (non rated fire door at store office near south stair at ground floor and store room floor to south stair enclosure not separated). Location: Warehouse Building & Production Building.	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire rated doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire rated doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.	Within 3 months
				
F-02	Single Exit	A single means of exit has been provided where the travel distance exceeded 75 ft. Location: Winding Section - 1st & 2nd floor (Warehouse Building)	Provide additional exit according to Accord building standard 6.6.2	Within 3 months





F-03	Egress	Parapets or guards are provided in occupiable roof is less than 42 inches (found 23 inch). Locations: Warehouse and production building.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months
				
F-04	Evacuation Map	Fire evacuation map is not posted at the entrance of all exit stair. Locations: Warehouse building: Ground floor in Sample room & Production building: ground floor.	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 1 Month

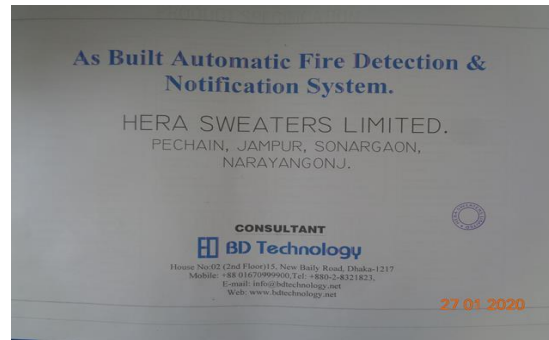


F-05	Handrail	Handrails and intermediate handrail are not provided in both side of the exit stairs. Locations: Warehouse building, Production building and Utility building: ground floor.	Provide handrails and intermediate handrail on both side of exit stair having a minimum height 34 in.	Within 1 month
				
F-06	Emergency Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	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 2 months
				



F-07	Exit Sign	Exit sign not provided at exit. Location: South stair (Ware House building)	Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month
F-08	Manual On/Off Switch	Manual on-off switch is provided for emergency lighting units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 months
F-09	Floor to floor penetration	Electrical Riser are open to the production floor. Locations: Winding section: ground, 1st and 2nd floor.	Provide 2 -hr Fire Separation to the Unprotected vertical shafts adjacent to production floors.	Within 3 months
 				
F-10	Detection & Protection	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards (applicable for all structure).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval	Design within 2 months, Modification within 6 months (If required)





F-11	Detection-ITM	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.	Within 3 months
F-12	Inspection, testing, and maintenance of Emergency light and Exit Sign	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
F-13	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 2 months



Production Building F-14	Storage Areas	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Locations: Ground floor and 1st floor (Production Building)	Provide defined storage areas and limit the storage arrangement as follows:- 1. Maximum height of 2.4m and maximum area of 23m ² . Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. Maximum height of 3.66m and maximum area of 93m ² . Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. or 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	within 3 months
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F- 15	Directional Sign	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: 1st floor (Production building)	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month
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F-16	Exterior Exit stairs	The exterior exit stair is not separated from the building. Location: Production building.	Exterior exit stairs shall be separated by minimum 2 hr fire-rated construction and The rating of the exterior wall shall extend 3.05 m (10 ft.) beyond the ends of the stair structure. 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. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.	within 3 months
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Utility Building F-17	Separation	Generator and Transformer room is not properly separated by fire rated construction. Location: Utility Building.	1. Generator 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.) should 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 it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	within 3 months
 				

