

INITIAL FIRE SAFETY INSPECTION REPORT

Ibrahim Knit Garments Pvt. Ltd. Extension-1

RSC ID: 24134

Ailpara, Pathantoli, Shiddhirganj, Narayanganj.

Google co-ordinate: 23.642565, 90.512645

Other Factories: Ibrahim Knit Garments (Pvt.) Ltd._9688 &
Ibrahim Knit Garments (Pvt.) Ltd.- Extension._23724



Inspected By: Pantha Pallob Das, Md. Zahidul Islam

Date: 16-Feb-2021

Fire Safety Inspection Report

Ibrahim Knit Garments Pvt. Ltd. Extension-1

Introduction:

Ibrahim Knit Garments Pvt. Ltd. Extension-1 complex was surveyed for fire safety on **16/02/2021** by The RSC 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 RSC. 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 RSC 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.

Findings & Recommendations :

Table 1 and Table 2 summarizes the major fire safety issues identified during the inspection of main 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 RSC for approval.

Table-1: Building 04

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Fire Rated Construction	Building-04 The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.	Provide minimum 2-hr fire rated construction for buildings 4 storied or more and 1-hr for up to 3 storied. Seal all unprotected openings to separate the exit stairs from work areas and other spaces on all floor levels by 90 minutes for 2 hr construction and 60 minutes for 1-hr construction. 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 and provide vestibules to avoid direct discharge from storage to exit stair enclosure. If fire rated doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets ACCORD standard 6.8.3.1 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



F-02	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Building-04	Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². 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 month
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F-03	Egress	Directional signs are not provided where direction of the path of travel to an exit has changed.	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 3 months
F-04	Egress	The exit discharge path along means of egress has interrupted by obstruction/storage. Locations: (B04-Stair 01)	Means of egress shall be maintained continuously free and clear of all obstructions/storage. Or Keep egress paths and stairs clear of storage.	Immediately



F-05	Egress	Floor no., occupant load, stair designation sign were not present in the exit stairs	Provide floor no., maximum & present occupant load, stair designation sign in every stair in all floors	Immediately
F-06	Fire Alarm & Detection system	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and Accord Standard.	Submit as built drawings, calculations, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design within 2 months, Install within 4 months
F-07	ITM of Fire Alarm & Detection system	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72 and ACCORD standards.	Within 1 month (after installation)

F-08	Fire Protection System	Standpipe system installation requires detailed review to confirm compliance with NFPA 14,20,22 and Accord Standard.	Submit as built drawings, hydraulic calculations, testing records, equipment certification and other relevant documentation to the RSC for review.	Design within 2 months, Install within 4 months
F-09	ITM of 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 and ACCORD standards (After installation).	Within 1 month (after installation)
F-10	ITM of Fire Extinguishers	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 1 month
F-11	ITM 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 month

Table-2: Building 05

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-12	Fire Rated Construction	Building-05 The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.	Provide minimum 2-hr fire rated construction for buildings 4 storied or more and 1-hr for upto 3 storied. Seal all unprotected openings to separate the exit stairs from work areas and other spaces on all floor levels by 90 minutes for 2 hr construction and 60 minutes for 1-hr construction. 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 and provide vestibules to avoid direct discharge from storage to exit stair enclosure. If fire rated doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets ACCORD standard 6.8.3.1 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



F-13	Fire Rated Construction	The exit discharge path (Egress Court) is less than 10 ft wide and is not separated from the building interior. Location: B-05 Stair-02	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft. to provide a minimum 2-hr fire separation. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 3 month
 				
F-14	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Building-05	Provide defined storage areas and limit the storage arrangement as follows:- General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. or - Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 month

				
F-15	Egress	Exits are not remotely located from each other. Location: Metal detection zone, Diagonal Distance: 120 ft, Exit to exit distance: 50 feet.	Modify exit arrangement or Provide additional exit(s)	Within 3 months
				

F-16	Egress	Directional signs are not provided where direction of the path of travel to an exit has changed.	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 3 months
F-17	Egress	The exit discharge path along means of egress has interrupted by obstruction/storage. Locations: (B-05 Stair 01)	Means of egress shall be maintained continuously free and clear of all obstructions/storage. So, remove storage from noted locations.	Immediately



F-18	Egress	Doors along means of egress are provided with non compliant locking system. Location: B-05, Metal Detection Zone	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. 3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. 4. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons.	Immediately
 				
F-19	Egress	Floor no., occupant load, stair designation sign were not present in the exit stairs	Provide floor no., maximum & present occupant load, stair designation sign in every stair in all floors	1 Month

F-20	Fire Alarm & Detection system	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and Accord Standard.	Submit as built drawings, calculations, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design within 2 months, Install within 4 months
F-21	ITM of Fire Alarm & Detection system	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72 and ACCORD standards.	Within 1 month (after installation)
F-22	Fire Protection System	Standpipe system installation requires detailed review to confirm compliance with NFPA 14,20,22 and Accord Standard.	Submit as built drawings, hydraulic calculations, testing records, equipment certification and other relevant documentation to the RSC for review.	Design within 2 months, Install within 4 months
F-23	ITM of 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 and ACCORD standards (After installation).	Within 1 month (after installation)
F-24	ITM of Fire Extinguishers	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 month

F-25	ITM 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 month
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