

FIRE SAFETY INSPECTION REPORT

Islam Garments Ltd. (Knitwear Division)

RSC ID: 24323

Block-F, Holding # 119/1, Jarun, Konabari, Gazipur-1346, Bangladesh.

Other Factories in the premises:

Islam Knit Designs Ltd (ID-9296)

Islam Garments Limited (Unit-2) (ID-10299)

Islam Garments Limited (Unit-2) - Extension (ID-12910)



Inspected By: Md. Ferdaus Jaman and Md. Khalaquzzaman

Date: 20-June-2022

Fire Safety Inspection Report

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Introduction:

Islam Garments Ltd. (Knitwear Division) complex was surveyed for fire safety on 20/06/2022 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 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 RSC Technical Guideline (Standard) 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- 7: Islam Garments Ltd. (Knitwear Division) (G+M+6, RCC)

Factory Address: Block-F, Holding # 119/1, Jarun, Konabari, Gazipur-1346, Bangladesh.

Findings & Recommendations :

Summarizes the fire safety non-compliant issues identified during the inspection. Recommendations have been provided to address each issue with specific remediation timeline. 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 review.

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire rated construction.	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. 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	Within 3 months



F-2	Fire Rated Construction	The building is newly constructed where structural members are constructed by RCC except Mezzanine (Mezzanine is constructed by steel) and have been found in exposed condition without any fire protection.	New constructed building shall be type-1 or type-2 construction as per Table 3.2.4 of BNBC-2006. Provide required fire rating on the structural elements by following Section 4.4 and Table 4.4.1 of the Accord Standard or Table 3.3.1 and Table 4.1.1 from BNBC Part 4. Consult a qualified fire protection engineer to design the rated construction barriers in between two floors and in structural members.	Within 4 months
 				
F-3	Fire Rated Construction	Elevator open directly inside of exit enclosure which is a violation of RSC Technical Guidelines - 6.14.3. Location: Stair-4.	In new construction, elevators shall not open into an exit enclosure [RSC Technical Guidelines (Standard) - 6.14.3] and Supplementart Paper on Remediation Guidance Elevator or Lift Shaft Opening in Exit Enclosures. So, rearrange the facility to provide separate enclosure for lifts. If not possible anyway provide a minimum 2-hr fire- rated elevator shaft with listed fire rated lift landing door to separate from each floor level.	Within 4 months

 				
F-4	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: 1st, 3rd & 4th floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Or, Where separate storage rooms are not feasible, 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.	Within 3 months
  				

F-5	Fire Rated Construction	Chute found in north side of the Building that affecting vertical penetration. Location: Ground to 2nd floor	Provide a minimum 2-hour fire- rated separation for vertical penetration.	Within 3 months
 				
F-6	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies. Followings are the description of openings or penetrations indicating specific locations: 1. PVC pipes penetrate the floor slabs in toilet block of production 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 or 3-hrs fire rated shaft to separate the utility risers from each floor if required.	Within 3 months
 				

F-7	Means Egress	Doors are swing out over exit stair landing in the exit stair-1 and stair-4.	Modify the egress door, door shall not swing out over exit stair landing.	Within 3 months
				
F-8	Means Egress	Building did not have stair designation signs or occupant load signs at the required locations.	Provide stair designation signs and occupant load signs at the required locations.	Within 1 month

F-9	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 1 month
F-10	Egress Lighting	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 1 month
F-11	Egress Lighting	Some exit signage/directional sign were not illuminated (burned out, broken, etc.) and some emergency fog lights were found non-functional.	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.	Within 1 month
				
F-12	Egress Lighting	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with the RSC Technical Guidelines (Standard). Keep written records on-site.	Within 1 month

F-13	Fire Alarm & Detection System (FADS)	Fire alarm and detection system installation complete which requires detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard).	Submit the fire alarm system design to RSC for review. Once the design is reviewed, install and modify the fire detection and alarm system throughout the building in accordance with review comment, RSC Technical Guidelines (Standard) and NFPA 72. After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with Table-14.3.1 of NFPA 72.	Design within 2 months, Modification if required within 4 months.
F-14	Fire Detection System (ITM of FADS)	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 table 14.3.1 of NFPA 72.	Within 1 Month after installation.
F-15	Fire Protection System (Standpipe)	Sprinkler system installation requires detailed review to confirm compliance with NFPA 13, 14, 20, 22 and RSC Technical Guideline (Standard).	Submit the fire pump, standpipe and sprinkler system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guideline (Standard) and NFPA 13, 14, 20,22 and 24. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the standpipe system.	Design within 2 months, Install within 4 months.



F-16	Fire Protection System (ITM of fire pump)	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 20 and RSC Technical Guideline (Standard).	Inspect, test and maintain the fire pump in accordance with NFPA 20 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month after installation.
F-17	Fire Protection System (ITM of Standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the standpipe system in accordance with NFPA 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month after installation.
F-18	Fire Protection System (ITM of Sprinkler System)	Inspection, testing, and maintenance of the automatic sprinkler system is not in accordance with NFPA 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the standpipe system in accordance with NFPA 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month after installation.