

INITIAL FIRE SAFETY INSPECTION REPORT

Islam Garments Ltd. (Knitwear Division) (Extension)

RSC ID: 24737

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

Other Factories: Islam Knit Design Ltd (9296), Islam Garment Limited (Unit-2)-ID-10299, Islam Garments Ltd (Unit-2) Extension (ID-12910).



Inspected By: Yusuf Ahmed, Md. Tanvir Rahman

Date: 05-Nov-2023

Fire Safety Inspection Report

Islam Garments Ltd. (Knitwear Division) (Extension)

Introduction:

Islam Garments Ltd. (Knitwear Division) (Extension) complex was surveyed for fire safety on **05-Nov-2023** 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.

General Factory Information

Factory Building name(s):

Factory Building name(S): There are total 2 shed buildings in the factory compound under this RSC ID-24737. The buildings are as below:

1. Shed-9: Single Storied Industrial Steel Building with Mezzanine floor.
2. Shed-17: Semi Pucca Shed.

Findings & Recommendations :

Table 1 summarize 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.

Table-1:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: shed-09, shed-17	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 2 Months

				
F-02	Fire Rated Construction	Rooms used for wastage storage are not separated by fire rated construction with production area. Location : mezzanine floor , shed- 09	Separate the storage room by a minimum 1- hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months



F-03	Means of Egress	Headroom measured less than the 80 inch. in the wastage store at mezzanine floor.	All means of egress shall have a minimum ceiling height of 2.3 m (7 ft 6 in.) with projections from the ceiling not less than 2.03 m (6 ft 8 in.). The minimum ceiling height shall be maintained for at least 2/3 of the space or room as long as the remaining area shall be not less than 2.03 m (6 ft 8 in.). Headroom on stairs shall not be less than 2.03 m (6 ft 8 in.).	Within 2 Months
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F-04	Means of Egress	Aisles marks were not provided in several location of Shed-9 and Shed-17.	Provide minimum aisle width of 36-inch and mark the aisels properly. Update the evacuation plan if required.	Within 1 month
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F-05	Fire Alarm & Detection System (FADS)	Fire alarm & detection system installation was found complete which requires detailed review to confirm compliance with NFPA 72. Location: Shed -09, shed-17	Submit the fire alarm and detection system design to RSC for review. Once the design is reviewed, modify (if required) the fire detection and alarm system throughout the building in accordance with review comment, manufacturer's guidelines and NFPA 72. After modification the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.	Design-2 Months. Installation-4 months.
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F-06	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 Table-14.3.1 of NFPA 72.	within 1 month after installation.
F-07	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Shed -09, shed-17	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-08	Egress Lighting ITM	Inspection, testing, and maintenance for the emergency lighting system were not in accordance with The RSC Technical Guidelines (Standard). Location: Shed -09, shed-17	Inspect, test and maintain the emergency lighting system in the accordance with The RSC Technical Guidelines (Standard). Keep written records on-site.	Within 1 month

F-09	Egress Lighting	Exit signs are not provided at all the required locations. Location: Shed -09, shed-17	Provide exit signs above all exits to the exterior and all doors to the exit stair.	Within 1 month
F-10	Egress Lighting	The directional signs are not provided where there is a change in direction and where the continuation of the egress path is not obvious. Location: Shed -09, shed-17	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	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 The RSC Technical Guidelines (Standard).	Within 1 month

 				
F-12	Fire Rated Construction	Chemical store was found without fire rated separation with the production area at shed -17	Ensure the chemical store is fire separated by minimum 4-hr fire rated construction barrier. Follow table 3.2.1 of BNBC-2006 for mixed occupancy separation. No opening is permitted in the 4-hr rated wall towards any other occupancy. Follow section 2.13, Chapter 3 of BNBC-2006 as a guideline for chemical store while rearranging.	Within 3 Months
 				

F-13	Fire Rated Construction	The boiler room in Shed-10 is not separated by fire rated construction and has unprotected openings with Shed-17.	Separate the boiler room(shed-10) from Shed-17 by a minimum 1-hr fire rated construction. Seal and/or protected all openings to maintain fire separations.	Within 3 months
 				
F-14	Means of egress	Doors in means of egress was found to be less than 0.8 m (32 inches). Location: Shed-17	Provide doors in a means of egress with a minimum width of 0.8 m (32 in.).	Within 1 month

