

INITIAL FIRE SAFETY INSPECTION REPORT

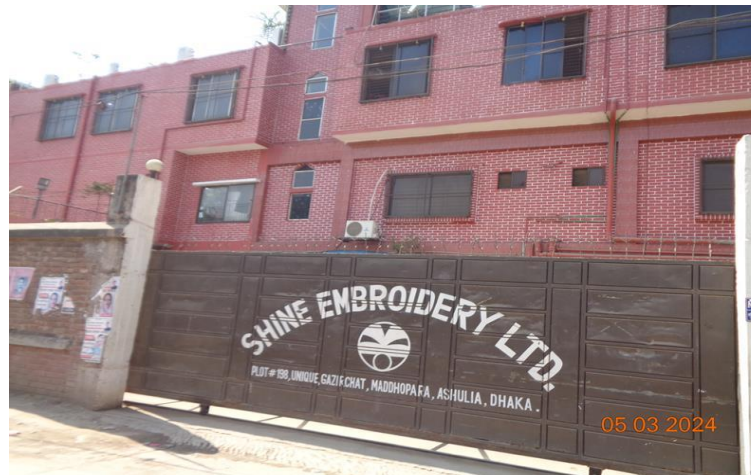
SHINE EMBROIDERY LTD

RSC ID: 24648

Address: 198 Gajirchat, Modhapara, Ashuliya, Savar, Dhaka

Co-ordinate: 23.93578377, 90.2811065455

Other Factories: None



Inspected By: A N Faisal Ahmed

Date: 5 March, 2024

Fire Safety Inspection Report

SHINE EMBROIDERY LTD

Introduction:

SHINE EMBROIDERY LTD complex was surveyed for fire safety on **05-Mar-2024** 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):

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1. Main Production Building ; 3 storied RCC

Construction duration: Mar' 1999 to Sep'2000. (EXISTING CONSTRUCTION)

2. Security Building ; Single storey RCC Building ; Area Approx 157 sqm.

Construction duration: December, 2008 to July, 2009. (EXISTING CONSTRUCTION)

Factory Address: 198 Gajirchat, Modhapara, Ashuliya, Savar, Dhaka

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:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Exit discharge corridors are not protected from wastage area & Spray room & doesn't provided sprinkler system as per NFPA 13. Location: Ground Floor.	Provide exit discharge corridors with 1 hr fire resistance rating or Provide Automatic sprinkler system as per NFPA 13.	Within 3 Months

F-2	Fire Rated Construction	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction due to unprotected opening & Penetration, non-functional door accessories etc.	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer stories and a minimum of 2-hr. fire resistance rating for buildings 4 or more stories. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction for building with 3 or fewer stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for building with 4 or more stories. Ensure that the fire doors are self-closing and 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 Month



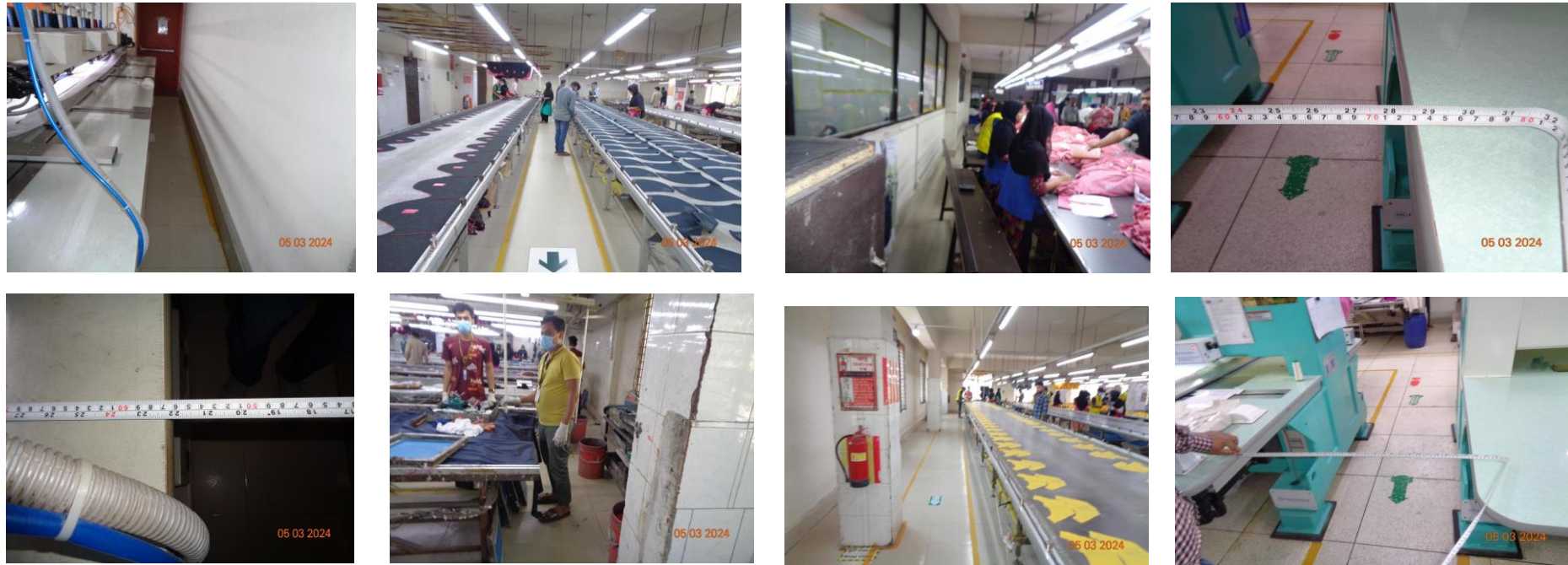
F-3	Fire Rated Construction	Electrical panels were located in the exit stair enclosure.	Remove all electrical panels & electrical cables from exit stair enclosures & relocate on a safe locations.	Within 3 Month
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F-4	Mean of Egress	The exits in the work area are not remotely located from each other (less than one-half maximum diagonal distance of pace) such that a single fire event could compromise both exits. Diagonal distance is 140 ft whereas distance between exits at Ground floor 52 ft, 1st floor: 67 ft and 2nd floor: 61 ft.	Modify exit arrangement to provide remote exits. Alternatively, provide sprinkler protection throughout the building in accordance with NFPA 13.	Within 3 months
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F-5	Mean of Egress	Aisles were found missing on several locations & aisles were found less than 36 inch throughout the building.	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible. Aisles shall be free from all obstruction , storage & process work.	Within 3 months
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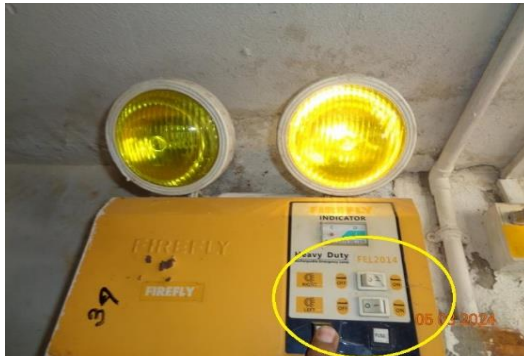
F-6	Mean of Egress	Non-compliant sliding gate has been provided at building exit.	Replace all gates and doors along the means of egress with side-hinged, swinging egress doors in accordance with RSC Technical Guidelines 6.8.1.	Within 1 month
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F-7	Emergency Lighting	Emergency light weren't provided and adequate illumination levels are not anticipated along egress routes and at exit stairs.	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 3 months
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F-8	Emergency Lighting	Manual on-off switch is provided for exit signage at the door to the egress on all floors.	Remove manual on/off switches from exit signage units to prevent them from being switched off.	Within 1 month
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F-9	Fire Alarm & Detection system	Automatic fire alarm and detection system is going on. FADS required a detailed review to confirm compliance with NFPA 72 and The 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 buildings 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 Review within 2 months and installation/modification within 4 months
F-10	Fire Alarm & Detection system (ITM of FADS)	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and The RSC Technical Guidelines (Standard).	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72 and The RSC Technical Guidelines (Standard) and keep written records on-site	Within 1 month (after installation)
F-11	Egress Lighting ITM	Inspection, testing, and maintenance for the emergency lighting system were not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the emergency lighting system in the accordance with The RSC Technical Guidelines (Standard) and keep written records on-site.	Within 1 month