

INITIAL FIRE SAFETY INSPECTION REPORT

Impress Printing & Embroidery

RSC ID: 24647

ADDRESS: 90/1, Joy Bangla Road, Word # 40, Meghdubi, Pubail, Gazipur.

Geographical Coordinates of factory building: 23°56'19.2"N 90°25'46.9"E

Other Factories: None



Inspected By: Mohammad Anayet Hossain

Date: 05-October-2023

Fire Safety Inspection Report

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Impress Printing & Embroidery complex was surveyed for fire safety on **05/10/2023** 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): 1. Shed-1 (Production)

- 2. Shed-2 (Maintenance)
- 3. Shed-3 (Canteen)
- 4. Shed-4 (ETP)
- 5. Shed-5 (Screen Shed)
- 6. Building-1 (Utility)
- 7. Building-2 (Medical)

Factory Address: 90/1, Joy Bangla Road, Word # 40, Meghdubi, Pubail, Gazipur.

Findings & Recommendations :

Table 1 - summarizes the fire safety non-compliant issues identified (in all structures) 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 approval.

Table-1: Findings & Recommendations

Sl No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire-Rated Construction	The main structural element of the building is constructed by steel element which is non-rated and were found in exposed condition without any fire protection. (Single storied production shed-Shed-1)	Interim building shall be type-1 or type-2 construction. Provide required fire rating on the structural elements by following Section 4.4 and Table 4.4.1 of the RSC 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 6 months
 				

F-2	Fire-Rated Construction	The air compressor room located at Production shed-1 (Ground floor-NW Corner) is not separated by fire rated construction (openings, non-rated doors, penetrations)	Separate the air compressor room by a minimum 2-hr fire rated construction. Seal and/or protected all fire separations.	Within 3 months
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F-3	Fire-Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy which are not separated by fire rated construction.	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 2.4 m and maximum area of 23 m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected: maximum height of 3.66 m and maximum area of 93 m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-4	Fire-Rated Construction	The exit discharge paths (NW/SW/SE/NE) serving the south, north & west side exits of sheds/building are less than 10 ft wide and is not separated from the buildings interior.	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 1-hr fire separation. Alternatively, modify the exits discharge path to the public way.	Within 3 months
 				
F-5	Fire-Rated Construction	Sliding doors are provided at along egress routes.	Replace all collapsible gates/ sliding doors/ rolling shutter doors along the means of egress with side-hinged, swinging egress doors.	Within 1 month



F-6	Means of Egress	Occupant load were not present in the exits.	Provide occupant load in every exits.	Within 1 month
F-7	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-8	Egress lighting	Exit signage not illuminated (burned out, broken, etc.).	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs	Within 2 months

F-9	Egress lighting	Exit sign and Directional Sign are not provided at and towards exit at several locations.	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 2 months
F-10	Egress lighting	Manual on-off switch is provided for [emergency lighting / exit signage] units.	Remove manual on/off switches from [emergency lighting / exit signage] units to prevent them from being switched off.	Within 2 months
F-11	Egress lighting	Some lighted exit signs were two-sided, so that they indicated an exit where there were none.	Inspect, test and maintain the exit sign and emergency lighting system in accordance with the RSC standard. Keep written records on-site.	Within 2 months
F-12	Egress lighting (ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with the RSC standard.	Inspect, test and maintain the exit sign and emergency lighting system in accordance with the RSC standard. Keep written records on-site.	Within 2 months
F-13	Fire Alarm & Detection System	The fire alarm & detection system is antiquated, not a addressable and listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm & detection system with a new, listed addressable fire detection system in accordance with NFPA 72 & RSC standard.	Design within 2 months & Installation within 4 months



F-14	Fire Alarm & Detection System (ITM of FADS)	The building is equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupant.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72.	Design within 2 months & Installation within 4 months
F-15	Fire Alarm & 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 and RSC Technical Guidelines (Standard).	Within 1 month after installation
F-16	Fire Protection System (ITM of Extinguisher)	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 on- site, in accordance with NFPA 10 and RSC standards.	Within 2 months