

INITIAL FIRE SAFETY INSPECTION REPORT

BIG BOSS WASHING LTD

RSC ID: 24217

ADDRESS: Aptech Industrial Park, 30, Sarabo, Kashimpur, Gazipur

Geographical Coordinates of factory building: 23.985596, 90.284484

Other Factories: N/A



Inspected By: Monsurul Akram Azim, Md. Hasibur Rahman Abir

Date: 21-September-2021

Fire Safety Inspection Report

BIG BOSS WASHING LTD

Introduction:

BIG BOSS WASHING LTD complex was surveyed for fire safety on 21/09/2021 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 - 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 approval.

Table-1: Findings & Recommendations

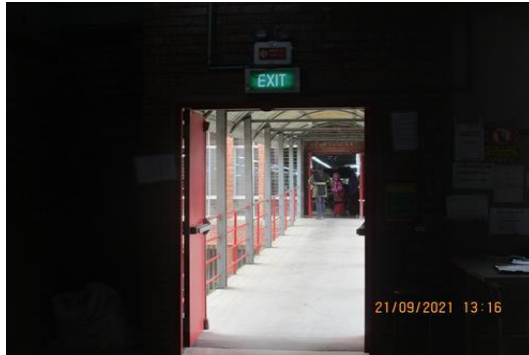
SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire-Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.	Provide minimum 2-hr fire rated separation in exit enclosures with minimum 1.5-hr fire rated doors and seal all unprotected openings and penetration to separate the exit stairs from work areas and other building spaces on all floor levels with similar rating of fire door. 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 months

				
F-2	Fire-Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas. Location: 2nd & 3rd floor	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
				

F-3	Fire-Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy.	Provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.45 m and maximum area of 23 m² and is separated by a minimum 3.0 m (10ft) from other storage areas and they do not exceed 10 percent of the building area of the story in which they occur. or, If sprinkler protected, Maximum height 12 ft (3.66 m) and maximum area of 1000 ft² (93 m²) and separated by a at least 25 ft (7.62 m) and does not constitute more than 10 percent of the building area or 4000 ft² (372 m²) of the sprinklered area, whichever is greater. or, Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
 				

F-4	Fire-Rated Construction	Chemical storage area is not separated by fire-rated construction having unsealed penetrations and openings.	Provide 2-hr fire rated construction barrier with 1.5-hr opening protective assemblies to separate the chemical store from surroundings.	Within 2 months
				
F-5	Fire-Rated Construction	Openings through floor/ceiling assemblies are found unprotected. Location: Lift core 1st floor.	Provide a minimum 2-hr fire rated shaft to separate the lift core from each floor. Or, Seal all unprotected openings and penetration to maintain the required fire separations.	Within 2 months
				

F-6	Fire-Rated Construction	Elevator shafts are directly open into the inside of at exit enclosure.	Elevators shall not open into an exit enclosure as per Accord Building Standard Section 6.14.3. So, separate the stair enclosure from elevator shaft all through the building.	Within 3 months
				
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 (ITM)	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 2 month

F-9	Egress	Exit sign is provided where not an exit.	Remove exit signs where not an exit.	Within 1 month
				
F-10	Egress	No landing is provided on exit door, used in the means of egress. Location: Chemical room, Ground floor.	A landing shall be provided on both sides of doors used in the means of egress. Door shall not swing out over stairs.	Within 1 month
				
F-11	Egress	A single means of exit has been provided. Location: Mezzanine Floor Travel distance: More than 100 ft	Maintain maximum 50 occupants having a travel distance of 23m (75 ft). Or Provide additional exit.	Within 3 months

				
F-12	Egress	Handrails are not provided on both sides of each exit stairs on ground floor.	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.).	Within 2 months
				

F-13	Egress	Exit capacity (590 as per present condition) is not adequate for the occupant load at 2nd floor (633 person) and 3rd floor (673 person)	1. Reduce occupant load to not more than available exit capacity. Or 2. Provide additional exits to increase exit capacity. Or 3. Increase the exit width to meet the occupancy capacity.	Immediately
F-14	Fire Alarm & Detection System (FADS	The factory has installed an addressable fire alarm & detection system which is required to be reviewed and verified.	Design & Installation of Fire Alarm system shall be in accordance with ACCORD standard and NFPA 72. Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval, modification (if required) shall have to be done as per the reviewed design and NFPA-72. Upon approval & modification (if required) the owner shall verify the system by RSC for final acceptance.	Design within 2 months, Install within 4 months.
 				

F-15	Fire Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.	Within 1 Month after installation/modification.
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F-16	Fire Protection System	The highest occupied floor of existing building is more than 10 m (33 ft.) above grade where class-III standpipe system is mandatory, and the factory has installed Class-III standpipe which is required to be reviewed and verified.	Design & Installation of Fire Alarm system shall be in accordance with ACCORD standard and NFPA 14, 20 & 22. Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval, modification (if required) shall have to done as per the reviewed design and NFPA-NFPA 14, 20 & 22. Upon approval & modification (if required) the owner shall verify the system by RSC for final acceptance.	Design within 2 months, Install within 4 months.
 				