

INITIAL FIRE SAFETY INSPECTION REPORT

FCI (BD) Ltd -Extended new warehouse building

RSC ID: 24982

Plot no: 83-84 , old DEPZ, Ashulia, Savar, Dhaka-1349
23.950964, 90.266787

Other Factories: N/A



Inspected By: Ahammad Kabir

Date: 24/01/2024

Fire Safety Inspection Report

Factory Name: FCI (BD) Ltd -Extended new warehouse building

Introduction:

FCI (BD) Ltd -Extended new warehouse building complex was surveyed for fire safety on 24 January 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):

1. Building - 1 (Factory Building)
2. Building - 2 (Utility Building)
3. Building - 3 (Security & Fire Control Room)

Factory Address: Plot no: 83-84, old DEPZ, Ashulia, Savar, Dhaka-1349

Points of contact:

1. Name: Md. Nure Alam Murad

Designation: DGM, Sustainability

Contact No: 01329711662

Email: nurealam.murad@talismanbd.com

2. Name: Rasel Ahmed

Designation: Senior Manager, Sustainability

Contact No: 01755648377

Email: rasel.ahmed@fcibd.com



Findings & Recommendations :

Table 1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue. 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:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	Openings from exit enclosures to storage areas are not provided with vestibules. Location: Building 1: Ground floor.	Provide vestibules for openings from exit enclosures to storage areas, basements, transformer rooms, generator rooms, boiler rooms, and similar normally unoccupied spaces according to RSC Technical Guideline (Standard)- 6.14.3.	Within 3 months





2	Fire Rated Construction	<p>Catwalk has been constructed on high rack storage and the area of the the intermediate deck creates a full floor where the size of the deck is more than 33% of the total floor area and requires fire rated separation.</p> <p>Location: Store Building, 1st floor.</p>	<p>Remove all catwalk and stair from the multi-storied storage (combustible materials) rack facilities area.</p> <p>or</p> <p>Separate each floors by fire rated construction as per BNBC, Part-3, chapter-3 and Table 3.3.1.</p>	Within 6 months
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3	Fire Rated Construction	The exit discharge path (Passageway) is not separated by fire-rated construction. Location: Northeast and north side of the building.	Provide minimum 2 hr. fire rated exit discharge path which will lead directly outside.	Within 3 months
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4	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas & floors. Location: Building 1: Ground floor.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction according to RSC Technical Guidelines (Standard) Section 3.4.2.1.5.	Within 3 months
				
5	Fire Rated Construction	The substation room is not separated with fire rated construction from main building. Ground floor of building 2.	Separate the generator and substation room by a minimum 2-hr fire rated construction with 1.5-hr fire rated opening protective assemblies like fire rated door. Provide proper ventilation and consult a qualified engineer for overall solution. When located to the exterior of a building by at least 3m (10 ft.) distance from surroundings then fire rated construction barrier is not mandatory.	Within 3 months



6	Fire Rated Construction	Elevator shafts are directly open inside the floor. Location: Building-1 ground floor.	Ensure minimum 1.5-hr fire rating for the doors of elevator shafts otherwise close the shafts area with 2-hr fire rated construction barrier and 1.5-hr fire rated doors.	Within 3 months
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7	Means of egress	Building did not have stair designation signs and occupant load signs at required locations on all floor. Location: Building 1.	Provide stair designation signs and occupant load signs at required locations.	Within 1 month
8	Means of egress	Occupiable roof is not provided with an adequate parapet / guard rail.	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm (42 in.)	Within 3 months
				
9	Fire Alarm & Detection System (FADS)	Fire detection system installation requires detailed review to confirm compliance with NFPA72 and in accordance with The RSC Technical Guidelines (Standard).	Submit design, drawings and other relevant documentation to the RSC for review. Replace the fire detection system with a new, listed addressable fire detection system in accordance with NFPA 72.	Design within 1 month and installation within 3 months

				
<p>10</p>	<p>Inspection Testing and Maintenance of Fire Alarm and Detection System (ITM)</p>	<p>Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with standard.</p>	<p>Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with Table-14.3.1 of NFPA 72.</p>	<p>Within 1 month (after installation completed).</p>