

FIRE SAFETY INSPECTION REPORT

Lida Textile & Dyeing Limited- Extended Buildings- New unit

Factory ID: 24024

Holding 100/2, Block B, Shaheed Mosharaf Hossain Road, Purbo chandora, Shofipur, Kaliakoir, Gazipur

Other Factories: Lida Textile & Dyeing Limited- Extended Buildings –Ware House (RSC ID: 12763)

24.036359, 90.271545



Inspected By: Md. Foyzal Ahmed & Md. Hasibur Rahman Abir

Date: 20-Oct-2020

Fire Safety Inspection Report

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Introduction:

Lida Textile & Dyeing Limited- Extended Buildings- New unit complex was surveyed for fire safety on **20-Oct-2020** 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 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:Findings & Recommendations

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire-rated construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction due to unsealed penetrations and openings. Location: Automated ware house- extended part	Stair shall be enclosed with a minimum 2-hr fire-rated construction. Seal all unprotected openings and provide minimum 2-hr fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. The clearance under the bottom of a fire door shall be a maximum of 3/4 in. (19 mm). Ensure that the fire doors are self-closing, positive latching and that they are provided with fire exit (panic) hardware where serving production floors. Provide vestibules to separate the storage areas. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system. Penetrations into and through an exit enclosure shall be prohibited with the exception of required exit doors, sprinkler piping, standpipes, electrical raceway for fire alarm equipment, and electrical conduit serving the exit enclosure.	Within 3 months



2	Fire-rated Construction	Exit stair-3 is discharge the occupants inside the building at ground floor. Location: Automated ware house- extended part	1. Modify stair to discharge directly outside. Or 2. Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). Note: A maximum of 50 percent of the number and capacity of the exit enclosures can discharge through areas on the level of exit discharge where all the conditions described in Accord building standard 6.17.3 are met.	Within 3 months
				

3	Fire-rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. Location: Building expansion joint & electrical riser of Automated ware house- extended part	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by third-party certified fire rated materials to maintain the fire resistance rating. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 months
				

4	Egress	Common path of egress travel exceeds 30 m (100 ft). Location: Automated ware house- extended part, 1st floor	Reconfigure the egress arrangement to reduce the maximum common path of travel to meet Accord Building Standard 6.13.2.	Within 2 months
 				

5	Egress	Guards are not provided on the open sides of ground floor where the elevation exceeds 760 mm (30 in.) above the floor below. Location: Automated ware house- extended part, ground floor	Minimum (height) 1067 mm (42 in.) guards shall be provided at all open sides of means of egress that exceed 760 mm (30 in.) above the floor or finished ground below.	With in 2 months
				

6	Egress	Handrails are not provided on both side of the ramp in the ground floor. Location: Automated ware house- extended part	Provide handrails on at least both side of ramp having 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.	With in 2 months
				

7	Egress	Doors along means of egress are provided with non compliant locking system. Location: Chemical Store	Remove locking features from all egress doors / gates. If locks are required for security reasons, utilize special door locking features complying with Accord building standard 6.8.2 & NFPA 101.	Immediately
				
8	Egress	Chemical Building did not have stair occupant load signs at required locations.	The occupant load shall be posted for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Within 1 month

9	Egress Lighting	Manual on-off switch is provided for emergency lighting / exit signage units. Location: Automated ware house- extended part	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 month
				

10	Fire Alarm	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 occupants. (automated warehouse- extended part, Chemical store, Security Building, Boiler Building)	Remove single-station smoke alarms. Provide automatic smoke detection throughout/entire the building, tied into the fire alarm system, in accordance with NFPA 72.	Design within 2 months, installation/modification within 4 months
 				

11	Fire Protection	The height of the highest occupied floor of Automated ware house- extended part is greater than 23 m (75 ft) above the finished grade is not protected with an approved automatic sprinkler system.	Provide an automatic sprinkler protection along with required standpipe system throughout the building in accordance with NFPA 13, 14, 20, 22 and 24.	Design within 2 months, installation/modification within 6 months
				

12	Fire Protection	The required no smoking signs are not present in the chemical building.	Signs shall be posted in Bengali and English at all building entrances.	Within 1 month
13	Fire Alarm System Inspection (ITM)	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 NFPA 72 and Accord standard.	Within 1 month after installation
14	Fire Sprinkler System Inspection (ITM)	Inspection, testing and maintenance of the automatic sprinkler system is not in accordance with NFPA 25.	Inspect, test and maintain the automatic sprinkler system and keep written records on- site, in accordance with NFPA 25 and Accord standard.	Within 1 month after installation