

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: KARIM TEXTILES LIMITED (Extension)

RSC ID: 24566

ADDRESS: Noorbag, Kaliakoir, Gazipur

Other Factories: KARIM TEXTILES LIMITED (ID: 9297) (In the premises)



Inspected By: Md. Ferdaus Jaman and Md. Golam Kibria

Date: 07 Sep 2023

Fire Safety Inspection Report

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Introduction:

KARIM TEXTILES LIMITED (Extension) complex was surveyed for fire safety on 07/09/2023 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 the 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): 9-Storied RCC Main Production Building with basement floor (Building-3)

Factory Address: Noorbag, Kaliakoir, Gazipur

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	Fire door accessories (door coordinators, door closer, latching system) in various location have been found nonfunctional. So fire separation is not being maintained.	The maintenance work shall have to be done for the door accessories on a regular basis. Repair/ replace the unworkable accessories as per manufacturer guidelines. Also, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets meets The RSC standard 6.8.3.1.	Within 3 months
				

F-2	Fire Rated Construction	The exit discharge path serving the exit stair-1 & 2 is not separated from the building interior on ground floor.	Seal all penetrations and openings to the interior of the building along the discharge path to provide a minimum 2-hrs fire separation. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 3 months
				
F-3	Fire Rated Construction	Elevator shafts are directly open into the inside of exit enclosure. Location: Stair-2 & 3.	Modify the elevator shaft as per RSC Technical Guideline (Standard) V1-6.14.3. An exit stairway shall not be built around a lift shaft unless both of them are located in a smoke proof enclosure and made of a material with fire resistance rating required for the type of construction of smoke proof enclosure. So, ensure the lift shaft is 2-hr fire rated including opening protection with similar rating.	Within 3 months



<p>F-4</p>	<p>Fire Rated Construction</p>	<p>Storage rooms at basement and 8th floor discharges directly into the exit stair discharge.</p>	<p>Openings from exit enclosure to storage room, generator and hazard spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the Store, generator, substation room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.</p>	<p>Within 3 Months</p>
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F-5	Fire Rated Construction	Unsealed penetrations and openings (electrical cable) are located in the exit stair enclosures.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separations.	Within 3 months
				
F-6	Fire Rated Construction	Floor to floor penetrations were found due to electric cable riser throughout the building.	Provide a minimum 3-hr fire rated separation to separate each floor by fire rated construction. Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.	Within 3 months

					
F-7	Egress Lighting	The directional signs are not provided where there is a change in direction and where, the continuation of the egress path is not obvious.	Install illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious	Within 1 Month	
					

F-8	Inspection Testing and Maintenance of Emergency lighting	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with the RSC technical guidelines (standard).	Inspect, test and maintain the emergency lighting system in accordance with the RSC technical guidelines (standard). Keep written records on-site.	Within 1 month
F-9	Inspection Testing and Maintenance of Portable Fire 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 onsite, in accordance with NFPA 10.	Within 1 month
F-10	Fire Alarm & Detection system	An addressable fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and the RSC Technical Guidelines (Standard).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review, modification (if required) shall have to done as per the reviewed design and NFPA-72 with a listed Addressable Fire Alarm System. Upon approval & modification (if required) the factory shall inform RSC to conduct final testing and commissioning verification of the system for final acceptance.	Design Review within 2 months and installation within 4 months.



F-11	Inspection Testing and Maintenance of Fire Alarm and Detection System (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. (After Installation)	Within 1 month after installation.
F-12	Fire Protection System (Fire Pump)	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and the RSC Technical Guidelines (Standard).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC Technical Guidelines (Standard) for review and approval.	



<p>F-13</p>	<p>Fire Protection System (Sprinkler)</p>	<p>The high-rise building has an occupied floor greater than 23 meter (75 feet) and is provided with automatic sprinkler protection. Standpipe system installation requires detailed review to confirm compliance with NFPA 13, 14, 20, 22 and the RSC Technical Guidelines (Standard).</p>	<p>Submit as built drawings, testing records, listing information and other relevant documentation to the RSC for review and approval, modification shall have to done as per the reviewed design (if required). Class I standpipe system is acceptable with automatic sprinkler system.</p>	<p>Design Review within 2 months and installation within 4 months.</p>
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F-14	Inspection, testing, and maintenance of the Fire Pump (ITM).	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 25.	Within 3 month after installation.
F-15	Inspection, testing, and maintenance of the automatic sprinkler system (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.	Within 3 months after installation.
F-16	Fire Protection System(ITM of Standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 and the RSC Technical Guideline (Standard).	Inspect, test and maintain the standpipe system in accordance with NFPA 25 and the RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 month after installation.