

INITIAL FIRE SAFETY INSPECTION REPORT

Tanzila Textile Ltd. (Extension)

RSC ID: 24938

Baroypara.Ashulia. Savar-1345

Other Factories: Tanzila Textile Ltd (ID- 9432) & Tanzila New building, extension (ID- 23043)



Inspected By: Nainin Nowrose

Date: 22 Jan 2024

Fire Safety Inspection Report

Tanzila Textile Ltd. (Extension)

Introduction:

Tanzila Textile Ltd. (Extension) complex was surveyed for fire safety on **22/01/2024** 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): There are two (02) structures in the premises under this ID-24938. They are :

1. Building-5 (Store Building): 6 storied (G+5) RCC Building

Construction: Jan, 2021 to Jan, 2022 & Occupied: Mar, 2022

Construction approved by LGED, Savar on 08 Mar 2017

Construction Period: Interim.

Per Floor area: 1208 sqm (approx.)

2. Knitting Shed: Single storied steel shed

Construction: Jan, 2022 to Nov, 2023 & Occupied: Jan, 2024

Construction Period: New

Total area of the shed: 1297 sqm (approx.)

Height of the shed: 25 ft

Factory Address: Baroypara.Ashulia. Savar-1345

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 review.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to unprotected openings. Fire door has been installed but gap below door was more than 19 mm. Location: Store building.	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr fire-rated construction. Provide minimum 1.5- hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation. Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC 6.8.3.1.	Within 3 months

				
F-2	Fire Rated Construction	Room used for combustible storage discharge directly into the exit stair enclosures. Location: Ground, 2nd, 3rd, 4th & 5th floor of Store Building.	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.	Within 3 months

				
F-3	Fire Rated Construction	Elevator shafts are directly open into south exit stair enclosure and inside the floor at Store Building.	For interim construction, elevators shall not open into an exit enclosure as per RSC Standard-6.14.3. So, provide a minimum 2-hr fire rated shaft to separate the lift from each floor and exit stair enclosure. Or, Modify the elevator and stair enclosure arrangement in a way to satisfy RSC standard 6.14.3.	Within 3 months

				
F-4	Means of egress	The west side exit discharge path of Store Building is not even and smooth.	Level the exit discharge path to ensure smooth and safe evacuation.	Within 1 month
 				

F-5	Means of Egress	The width of west stair is found (48 in) less than 60 in.	In interim construction, stairs shall have a minimum width of 1.5 m (60 in.) according to RSC Technical Guidelines (StandardV1.0) section 6.5.6.2.1. Provide minimum stair widths of 1.5 m (60 in).	Within 3 months
				
F-6	Means of Egress	Common path of egress travel for chemical store exceeds 8m (25ft). Location: Ground floor, Store Building.	Reconfigure the egress arrangement to reduce the maximum common path of travel for Group J (high hazard) occupancies to not more than 8m (25ft).	Within 3 months

 				
F-7	Means of Egress	Aisles marking was missing in 1st floor printing section.	Aisles shall be free and unobstructed and clearly marked with a minimum clear-width of 0.9 m (36 in.).	Within 1 month
				

F-8	Means of Egress	The emergency evacuation maps was not provided in required location.	Fire evacuation maps shall be update and posted at the entrance to each exit stair.	Within 1 month
F-9	Means of Egress	Building did not have occupant load signs, floor & stair designation signs at the required locations.	Provide occupant load signs, floor & stair designation signs at the required locations.	Within 1 month
F-10	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 1 month

				
F-11	Egress Lighting	Directional signs are not provided where direction of the path of travel to an exit has changed.	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-12	Egress Lighting	Exit signage was not illuminated at Knitting shed.	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.	Within 1 month
				
F-13	ITM of Egress Lighting	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with RSC Technical Guidelines (Standard).	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with RSC Technical Guidelines (Standard). Keep written records on-site.	Within 1 month

F-14	ITM of Fire-Protection System (Extinguisher)	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10 and RSC Technical Guidelines (Standard).	Inspect, test and maintain the portable fire extinguishers and keep written records on- site, in accordance with NFPA 10 and RSC Technical Guidelines (Standard)..	Within 1 month
F-15	Fire Alarm and Detection System (FADS)	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design-within 2 months. Installation-within 6 months.
				

F-16	Single Station Smoke 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.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72.	Within 6 months
F-17	ITM of Fire Alarm and Detection System (FADS)	Inspection, testing and maintenance for the fire detection and alarm system was 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.	1 Month after installation.
F-18	Fire Protection System (SUPS)	Water supply & standpipe system installation requires detailed review to confirm compliance with NFPA 14, 22, 25 and relevant standards. Location: Store Building.	Submit drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval. Installation and/or modification shall have to be done as per the reviewed design and standards.	Design- within 1 Month Modification if required- within 3 Months

 				
F-19	Fire Protection System (ITM of Standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 or as per RSC Technical Guideline (Standard).	Inspect, test and maintain the standpipe system in accordance with NFPA 25 or as per RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month after installation.
F-20	Fire Protection System (ITM of Fire Pump)	Inspection, testing, and maintenance for the fire pump system is not available.	Inspect, test and maintain the fire pump system in accordance with NFPA 25 or as per RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month after installation.