

FIRE SAFETY INSPECTION REPORT

TM Textiles & Garments Limited (Expansion Unit)

Factory ID: 23737

Kashor, Hobirbari Union, Bhaluka

Other Factories: None

24.292813, 90.364789



Inspected By: Md. Rakibul Alam, Md. Hasibur Rahman Abir, Md. Anisuzzaman & Md. Sadid Rahman

Date: 15/03/2020 & 29/09/2020

Summary Report

TM Textiles & Garments Limited (Expansion Unit)

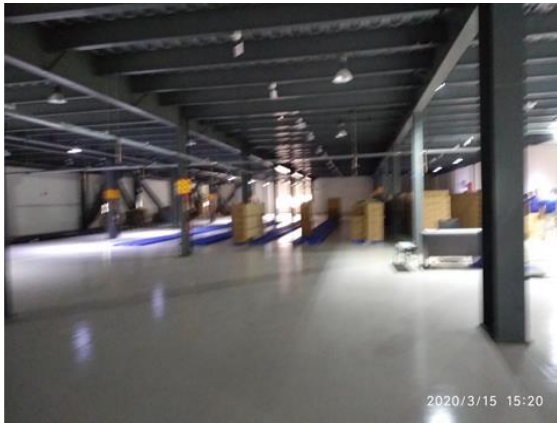
Summary:

TM Textiles & Garments Limited (Expansion Unit) complex was surveyed for fire safety on **15/03/2020 and 29/09/2020** by The Accord and 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 Accord. 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.

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 Accord for approval.

Table 1. Findings And Recommendations

SI No.	Category	Findings	Recommendation	Remediation Time Frame
1	Fire-rated construction	The buildings are constructed by steel. The main structural element of the buildings are constructed by steel which is appears to be non-rated and were found in exposed condition.	The building shall be type-I or type-2 construction as per BNBC 2006 Part 3 Section 3.2.4, page 10356. Provide/ensure required fire rating on the structural elements by following Section 4.4 and Table 4.4.1 of the Accord Standard or Table 3.3.1 and Table 4.1.1 from BNBC. Consult a qualified fire protection engineer to achieve the required fire rating.	Within 6 months
				



2	Fire-rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.	Stair shall be enclosed with a minimum 1-hr fire-rated construction. Seal all unprotected openings and provide minimum 1-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 any storage areas. 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
				



3	Fire-rated Construction	The exterior exit stair is not separated from the building. Location: Main Building	Exterior exit stairs shall be separated by minimum 1-hr fire-rated construction and The rating of the exterior wall shall extend 3.05 m (10 ft.) beyond the ends of the stair structure. Provide minimum 1-hr fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing, 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
		ADD PHOTO  PHOTO		



4	Fire-rated Construction	The elevator shafts are located inside the floors connecting production areas and storages. Location: Main Building	Provide a minimum 1-hr fire-rated elevator/lift landing door to separate the elevator shaft opening from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
				
5	Fire-rated Construction	SDB was observed inside the exit stair enclosure. Location: Main Building and Fabric Building	Remove the MDB/SDB or other electrical/mechanical equipments from exit stair enclosure or separate by minimum 1-hr fire-rated construction with 1-hr opening protection. 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 1 month



				
6	Egress	Exit access corridor is not provided with 1 hr fire resistance rating or approved NFPA 13 sprinkler system. Location: Main Building	Separate the corridor by a minimum 1-hr fire rated construction. Or Provide automatic sprinkler system throughout the storey as per NFPA 13	Within 3 months
				



7	Egress	Intermediate handrails was not provided when the stair width exceeds 2.2m (87 in.). Location: Main Building	Provide Intermediate handrails when the stair width exceeds 2.2m (87 in.).	Within 2 months
				
8	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

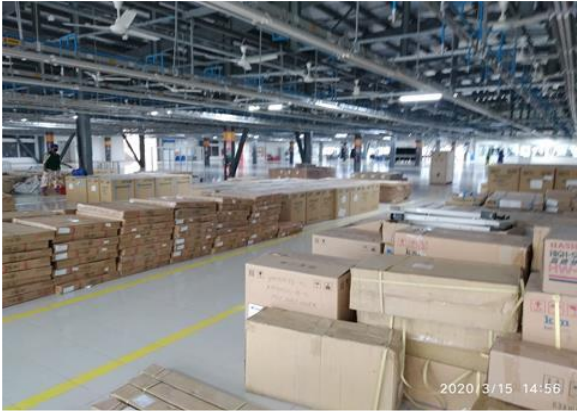


9	Egress	Doors along means of egress are provided with non compliant locking system. Location: Main building, Fabric Building and canteen Building	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with ACCORD standard 6.8.2 and NFPA 101.	Immediately
				



10	Fire Alarm & Detection System	The factory has installed an addressable fire alarm & detection system which is required to be reviewed and verified.	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-72 . Upon approval & modification (if required) the factory shall inform RSC to conduct final testing and commissioning verification of the system for final acceptance.	Design within 2 months, installation/modification within 4 months
		 2020/3/15 14:40	 2020/3/15 13:43	



11	Fire Rated Construction	Areas used for combustible storage open to the factory are not properly defined and/or not within limits.	Provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.45m (8 ft) and maximum area of 23 m2 (250 ft2). If sprinkler protected: maximum height of 3.66m (12 ft) and maximum area of 93m2 (1000 ft2). Separate the areas of unenclosed combustible storage by a minimum clear distance of 3 m (10 ft).	Within 3 months
				



12	Egress	Elevator shaft connecting 1st floor storage and ground floor stair of fabric building.	Modify the elevator and stair enclosure arrangement in a way to satisfy Accord standard 6.14.3 (lift/elevator shall not open into an exit stair enclosure). Elevator shall not open into an exit enclosure. Elevator landing door shall be of 0.75-hr fire rated.	Within 4 months
				

