

INITIAL FIRE SAFETY INSPECTION REPORT

Chorka Apparels Ltd. (Extension)

RSC ID: 24749

**Danga Industrial Park, Kazirchor, Danga, Palash, 1610, Narsingdi
23°53'50.78"N, 90°34'20.76"E**

Other Factories: Chorka Apparels Ltd (ID:24278)



Inspected By: Yusuf Ahmed

Date: 25-Jan-2024

Fire Safety Inspection Report

Chorka Apparels Ltd. (Extension)

Introduction:

Chorka Apparels Ltd. (Extension) complex was surveyed for fire safety on **25 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. CS Building: 4-Storied RCC Building
2. Utility Building: 2-Storied RCC Building
3. Wastage & Chemical Shed: Single Storied Steel Shed.

Factory Address: Danga Industrial Park,Kazirchor, Danga, Palash, 1610, Narsingdi.

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
F-1	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction due to non-functional fire doors. Fire doors were not interfaced with the fire alarm control panel. Also, Stair-2 is not seperated from waiting area of the medical room. Location: CS Building.	Provide minimum 2-hr fire rated separation in exit enclosures with minimum 1.5-hr fire rated doors and seal all unprotected openings and penetration to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing and 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

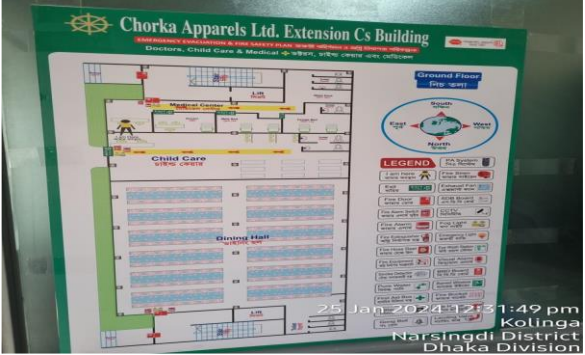
				
F-2	Fire Rated Construction	Elevator shaft is directly open into the exit stair enclosure which is a violation of RSC Technical Guidelines (Standard)-6.14.3. Location: Stair-1 enclosure of the CS Building.	Ensure the lift shaft is enclosed by a minimum 2-hour fire-rated wall with a minimum 1.5-hr fire-rated protective openings. An exit stairway shall not be built around a lift shaft unless both are located in a smoke-proof enclosure and made of a material with a fire-resistance rating required for the type of construction of a smoke-proof enclosure. (As per 6.14.3 of RSC Technical Guidelines (Standard) V1.0) Recommended to follow RSC "SUPPLEMENTARY PAPER ON REMEDIATION GUIDANCE ELEVATOR OR LIFT SHAFT OPENING IN EXIT ENCLOSURES" for remediation.	Within 3 months

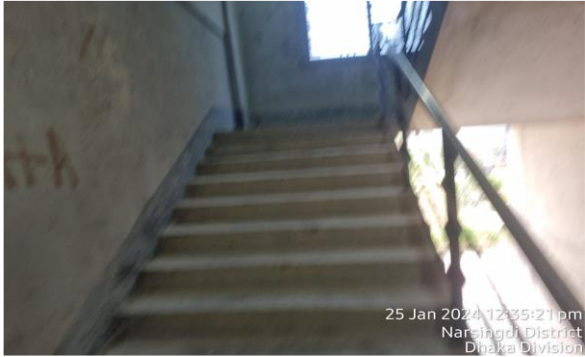
 				
F-3	Fire Rated Construction	Rooms used for combustible storage discharges directly into exit stair enclosure without vestibules. Location: 3rd floor of the CS Building.	Openings from the exit enclosure to the storage rooms shall be provided with a vestibule with fire-rated construction and openings. Provide a minimum 1.5 hr. fire-rated door on the exit stair side and a 1 hr. fire-rated door on the store side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure. The minimum width for vestibules shall not be less than 1.1m and length 1.8m.	Within 3 months

 				
F-4	Fire Rated Construction	Chemical store is not seperated from the wastage store by fire rated construction. Location: Ground floor of the Chemical and Wastage Shed.	Separate the chemical store from the wastage store area by a minimum 4-hr fire rated construction. No opening assembly is permitted in 4-hrs fire seperation walls.	Within 3 months

				
F-5	Means of egress	Cable tray channels were found passing across the egress aisles. This may cause tripping hazard during emergency evacuation. Location: 2nd floor of the CS Building.	Remove/relocate the cable trays from the egress aisles. Keep egress aisles free of obstructions and tripping hazards.	Within 1 month

				
F-6	Means of egress	Parapets or guards are provided in occupiable roof which is less than 1067mm (42 inch.). Location: Utility Building and CS Building.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 1 month
				
F-7	Means of egress	The dining room is provided with only one means of exits. Location: Ground floor of the CS Building.	Provide at least two means of exits from the dining room leading directly to the street or leading to a corridor or open space having access to exits in two independent and different directions.	Within 2 months

		 25 Jan 2024 12:29:18 pm Narsingdi District Dhaka Division	 25 Jan 2024 12:31:49 pm Kolinga Narsingdi District Dhaka Division	
F-8	Means of egress	Egress aisles marks were not provided in the dining area, ground floor of the CS Building and in the Wastage and Chemical Shed.	Provide minimum aisle widths of 36-inch. All the aisles shall be free from any kind of obstruction.	Within 1 month
		 25 Jan 2024 12:29:18 pm Narsingdi District Dhaka Division	 25 Jan 2024 12:49:10 pm Narayanganj District Dhaka Division	
F-9	Means of Egress	Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of staircase, may pose as a falling hazard during evacuation. Location: Utility Building.	Provide handrails on both sides of the exit stair. New handrails shall have 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. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in	Within 1 month

 				
F-10	Means of Egress	Sliding doors are provided at building exits. Location: Wastage and Chemical Shed.	Replace all collapsible gates/ sliding doors/ rolling shutter doors along the means of egress with side-hinged, swinging egress doors. Doors serving an occupant load of more than 50 people shall swing in the direction of egress travel.	Within 1 month
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F-11	Egress Lighting	Exit sign not provided at exits. Location: Wastage and Chemical Shed.	Provide exit signs above all exits to the exterior and all doors to the exit stair.	Within 1 month

 				
F-12	Fire Alarm & Detection system	Automatic fire alarm and detection system is being installed which requires detailed review to confirm compliance with NFPA 72 and the RSC Technical Guidelines (Standard).	Submit the fire alarm system design to RSC for review. Once the design is reviewed, install and modify the fire detection and alarm system throughout the buildings in accordance with review comment, RSC Technical Guidelines (Standard) and NFPA 72. After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.	Design Review within 2 months and installation/modification within 4 months
 				

F-13	Fire Alarm & Detection system (ITM of FADS)	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 Table-14.3.1 of NFPA 72.	Within 1 month (after installation)
F-14	Fire Protection System (Standpipe)	A Standpipe system was found to be installed in the factory, which requires detail review to confirm compliance with relevant NFPA standards and the RSC Technical Guidelines (Standard). Location: CS Building.	Submit the standpipe system design to RSC for review. Once the design is reviewed, install and modify the standpipe system throughout the buildings in accordance with review comment, RSC Technical Guidelines (Standard) and NFPA 14, 20, 22, 24. After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.	Design Review within 2 months and installation/modification within 4 months
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F-15	Fire Protection System(ITM of fire pump)	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 25.	Inspect, test and maintain the fire pump in accordance with NFPA 25 and keep written records on-site.	Within 1 Month (after installation/ modification)
F-16	Fire Protection System(ITM of Standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system in accordance with NFPA 25 and keep written records on-site.	Within 1 Month (after installation/ modification)