

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Anowara Fashions Ltd - Extension (Anowara Group)

RSC ID: 25506

ADDRESS: 35/A ,Hajigonj Road,Narayanganj.

Other Factories: Anowara Fashions Ltd (Anowara Group)- 23464



Inspected By: Kazi Raian Mahmood

Date: 11 February 2024

Fire Safety Inspection Report

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Introduction:

Anowara Fashions Ltd - Extension (Anowara Group) complex was surveyed for fire safety on 11/02/2024 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):

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The factory compound has a total four (04) buildings. 01 nos building was covered under RSC ID : 23464. The remaining three (03) buildings are as below:

- 1. Godown- Building: 6 (Six) Storied (RCC) Building (G+5). Approved from RAJUK on 11 March 2021. Construction started- April/2021 and ended- May/2023. Occupied-June/2023. Total Floor area: 960 Sqm (Approximately). 160 sqm (Approximately) per typical floor.**
- 2. Godown- Shed: Single Storied (Steel) Shed (G). Not approved from any authority. Construction started-June/2023 and ended-August/2023. Occupied-September/2023. Total Floor area: 74 sqm (Approximately).**
- 3. Utility Building: 2 (Two) Storied (RCC) Building- Not approved from any authority- Construction Started- March/2020 and ended- September/2020. Occupied- October/2020. Total Floor area: 46/45 sqm (Appx).**

Factory Address: 35/A ,Hajigonj Road,Narayanganj.

Points of contact:

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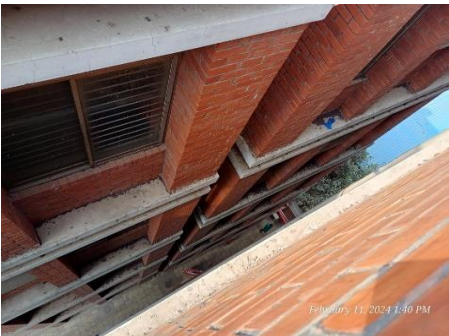


Findings & Recommendations :

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	Go-down Building has unprotected opening within close proximity (4-ft-11-inches) from the 6 storied garments building. Location: Go-down building	The fire resistance of structural members for new buildings and constructions shall be in accordance with BNBC 2020 Part 3 Table 3.3.1 Provide minimum 4-hr fire rated construction for Exterior bearing Walls and Interior bearing walls, bearing partitions, columns, girders, trusses (other than roof trusses) and framing supporting more than one floor. Seal all unprotected openings to separate the either side of the buildings from work areas and other spaces on all floor levels by 4 hr. construction.	Within 6 months

				
F-2	Fire Rated Construction	Exit stairs at all floors are not separated from the store areas in the go-down building. Location: Go-down building	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 with additional vestibule 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 6 months

			
F-3	Means of Egress	Exit stair at ground floor discharges inside the building. Location: Ground floor, Go-down building	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). Within 6 months
			

F-4	Means of Egress	A single means of exit has been provided at all floors. Location: 6 storied Go-down building	Provide additional exit with 2-hr fire rating remotely located from the primary exit with a direct discharge outside the building.	Within 6 months
				

F-5	Means of Egress	Handrails are not provided at both sides of the exit stair . Location: Go-down building	Provide handrails on both side of exit stair having a minimum height 34 inches.	Within 3 months
				
F-6	Means of Egress	Stair width of the building is less than 5 feet. Location: Go-down building	Modify the stair to have a minimum width of 1.5 m (60 inches) as per RSC standard 6.5.6.2.1	Within 3 months
				

F-7	Means of Egress	Re-entry has not been provided for six storied building. Location: Go-down building	Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry as per RSC standard 6.8.3	Within 3 months
				

F-8	Means of Egress	Exit passageways at ground floor are less than 10 ft wide and is not separated from the building interior. Location: Go-down building & Utility Building	Egress courts less than 3050 mm (10 ft) in width (as measured from Garments building to Go-down building and Utility building to boundary wall) shall be provided with walls having a 1-hr fire resistance rated construction materials for a distance of 3050 mm (10 ft) above the floor of the court.	Within 3 months
				
F-9	Means of Egress	Evacuation map has not been found in both the structures. Location: Go-down building & Go-down shed	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 1 months

F-10	Means of Egress	Floor number, occupant load, stair designation sign were not present in the exit stair Location: Go-down building & Go-down shed (only occupant load sign)	Provide floor number, maximum & present occupant load, stair designation sign in every stair in all floors	Within 1 month
F-11	Means of Egress	No smoking sign is not observed in the factory building. Location: Go-down building & Go-down shed	Factory shall provide no-smoking sign at all required places. Smoking shall be prohibited in any garment factory building, separate storage building, or any building or area where the Inspector of the Factories Rules (1.6.3.7) Part 53 requires that smoking be prohibited. Signs shall be posted in Bengali and English at all building entrances. If an Owner creates a designated smoking area outside the buildings, information on the location of these designated areas shall be posted on the signs required in 13.5.2.	Within 1 month
F-12	Egress Lighting	Inadequate emergency lights (illumination levels) were observed on most of the floors. Location: Go-down building & Go-down shed	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-13	Egress Lighting	Exit signs were not provided at any of the exits and directional signs were not provided inside the floor. Location: Go-down building	Lighted exit signs shall be placed at entrance to an exit. Additional directional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month
F-14	Egress Lighting	Inspection, testing, and maintenance of the emergency lighting system and exit signages were not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC standard. Keep written records on-site.	Within 1 month

F-15	Fire Alarm & Detection system	Automatic fire alarm and detection system installation complete which requires detailed review to confirm compliance with NFPA 72 and The RSC Technical Guidelines (Standard). Location: Go-down building, Go-down shed & Utility Building	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, Accord/ 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. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with Table 14.3.1 of NFPA 72.	Design Review within 2 months and installation within 4 months
 				
F-16	ITM of Fire Alarm & Detection system	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and The RSC Technical Guidelines (Standard).	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72 and The RSC Technical Guidelines (Standard) and keep written records on-site	Within 1 month (after installation)

F-17	Fire Protection System (Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 13, 14, 20, 22, 24 and RSC Technical Guideline (Standard). Location: Go-down building	Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guideline (Standard) and NFPA 13, 14, 20,22 and 24. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the standpipe system.	Design Review within 2 months and installation within 4 months.
				
F-18	Fire Protection System(ITM of fire pump)	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 20, 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the fire pump in accordance with NFPA 20, 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month (after installation)

F-19	Fire Protection System(ITM of Standpipe)	Inspection, testing, and maintenance for the Standpipe system (SUPS) are not in accordance with NFPA 14, 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the sprinkler and standpipe system in accordance with NFPA 13, 14, 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month (after installation)
F-20	ITM of Fire Extinguishers	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 and The RSC Technical Guidelines (Standard).	Within 3 months