

INITIAL FIRE SAFETY INSPECTION REPORT

Aliza fashion Ltd. (Extension)

RSC ID: 25925

Chaydana, National University, Gazipur-1704.

Geographical Coordinates : 23.95766, 90.37896

1. United Fashion Trouser Ltd. (RSC ID: 10828)☒
 2. Rumana Fashion Ltd. (RSC ID:9607)
 3. Fashion Trouser (RSC ID: 11650)☒
 4. Aliza fashion Ltd. (RSC ID: 12187)
- East West Fashion Garments Ltd. (RSC ID: 10375)-CLOSED



Inspected By: Md. Kawsar Rubaiat

Date: 19-Dec-2024

Fire Safety Inspection Report

Aliza fashion Ltd. (Extension)

Introduction:

Aliza fashion Ltd. (Extension) complex was surveyed for fire safety on **19-December-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

SI No	Building Name & Description	Construction History	Period
1	Building-1: Aliza Boiler Building 3-Storied RCC Building (G+2) Total Approx Area: 4390 Sq. ft	Construction Start: Aug 2008 Construction End: Jan 2014 Date of first Operation: Jan 2014 Building Approval: No Building Approval was found. DIFE Approval on 26-12-2019	Interim (Existing) [Note: The building was already functional during the initial inspection of ID: 12187. The major structural works of the construction was completed before Nov'2013. Hence, to align with the Structural Safety team, the building has been considered as an Existing Building]
2	Aliza Generator Shed Single Storied Shed Total Approx Area: 510 Sq. ft	Construction Start: Jan 2014 Construction End: Mar 2014 Date of first Operation: Jun 2014 Building Approval: No Building Approval was found. DIFE Approval on 26-12-2019	Interim

3	Fire Water Reservoir Underground Water reservoir Total Approx Area: 1,819 Sq. ft	Construction Start: Mar 2015 Construction End: Jun 2015 Date of first Operation: Jun 2015 Building Approval: No Building Approval was found. DIFE Approval on 26-12-2019	Interim
4	Fire Pump House Single Storied RCC Building Total Approx Area: 378 Sq. ft	Construction Start: Mar 2015 Construction End: Jun 2015 Date of first Operation: Jul 2015 Building Approval: No Building Approval was found. DIFE Approval on 26-12-2019	Interim
5	Shed-1: Jute & Empty Carton Shed Single Storied RCC Building Total Approx Area: 8,202 Sq. ft	Construction Start: Jan 2014 Construction End: Jun 2014 Date of first Operation: Jun 2014 Building Approval: No Building Approval was found. DIFE Approval on 26-12-2019	Interim

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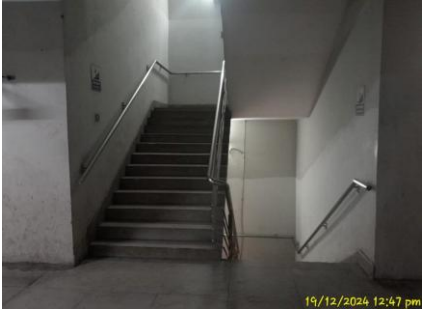
Findings & Recommendations :

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

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Mean of Egress	Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to toilet in the stair enclosure, fire door non-functionality (door closer, door coordinator), forceful opening with external objects, interfacing with the FACP not ensured & broken vision panel. Location: All floor, Building-1	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr. fire-rated construction. Provide a 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.	Within 3 months
				
F-2	Mean of Egress	Electrical cable raceway & DB was located in the exit stair enclosure. Location: Ground floor, Building-1.	Remove or relocated the electrical cable raceway. As per RSC Technical Guidelines (Standard) 6.14.4, 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 3 months

				
F-3	Means of Egress	A single means of exit has been provided in the 3 - storied utility building. Locations: All floors, Building-1.	Provide additional exit. The number of means of egress from any floor, story, or portion thereof shall not be less than 2 except where a single exit is permitted as per RSC Technical Guidelines 6.6.2	Within 3 months
				

F-4	Means of Egress	Common path of travel exceeds 75 feet (available 86 feet) in the compressor room. Location: 2nd floor, Building-1.	Provide additional exit.	Within 3 months
 				
F-5	Means of Egress	Occupant load signs & evacuation map signs were not found at the required locations. Locations: All Buildings	Provide occupant load signs & evacuation plans at required locations. Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 1 month

F-6	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Locations: All Buildings.	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 3 months
 				

F-7	Means of Egress	Directional Exit signage was not provided along the path of egress where there is a change in the direction for the path of travel and the direction to an exit is not obvious. Locations: 1st & 2nd floor, Building-1.	Provide directional exit signs above all building exits to the exterior, all doors to the exit stairs and along all paths of travel where a change of direction is not obvious. Lighted directional signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month
				
F-8	Means of Egress	Aisle marking has not been marked properly. Location: Building-1.	Aisles mark shall be provided at required places with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 1 month
				

F-9	Fire Alarm & Detection System (FADS)	Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standards. Location: All Buildings.	Design & Installation of Fire Alarm & Detection system shall be in accordance with RSC standard and NFPA 72. Submit as-built design, documents and calculations to RSC for review prior installation/modification. After installation/modification, the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Design Review within 2 months and installation within 4 months.
	 			

F-10	Fire 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-11	Means of Egress	Exit signage not illuminated (burned out, broken, missing etc.) on several locations. Locations: All Building.	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs	Within 1 month
				

F-12	Fire Rated Construction	The Jute & Empty Carton Shed is unprotected steel construction (Constructed Start: Jan 2014, Construction End: Jun 2014; Date of first Operation: Jun 2014) Interim Structure. As per RSC Technical Guideline and BNBC 2006, The Fire rating of the structure requires to be confirmed as per BNBC 2006. The "Ministry of Housing and Public Works" has issued a resolution based on the recommendations from the House Building Research Institute (HBRI) and the Public Works Department (PWD) to assess structural fire protection requirements of steel buildings (unprotected non-combustible construction type) according to BNBC 2020. Locations: Jute & Empty Carton Shed.	The construction type shall be confirmed to be in accordance with BNBC 2020 Part-3, Table 3.1.7. Ensure fire resistive rated construction following Table 3.3.1 (a) Part 3 Section-3, Table 3.2.2 and Table 3.2.3 Part 3 Section 2 and Table 4.1.1 from BNBC 2020 Part 4 Section 1. Provide design philosophy to determine the construction type as per BNBC 2020. If any construction rating is required, Consult a qualified fire protection engineer to achieve the required fire rating.	Within 6 months
				

F-13	Fire Protection System(ITM of 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 on- site, in accordance with NFPA 10 and RSC standards.	Within 1 month after installation.
F-14	Fire Protection System(ITM of Emergency Lighting System)	Inspection, testing and maintenance for the emergency lighting system was not in accordance with The RSC standard.	Inspect, test and maintain the emergency lighting system in the accordance with The RSC standard. Keep written records on-site.	Within 1 month after installation.