

INITIAL FIRE SAFETY INSPECTION REPORT

AL-MUSLIM APPARELS LTD. (EXTENSION)

RSC ID: 24554

4 & 12 Nischintapur, Zirabo, Ashulia, Dhaka.

23°55'30.0"N 90°18'34.1"E

Other Factories: Al-Muslim Apparels Ltd. (ID-24035)



Inspected By: Nainin Nowrose

Date: 13 June 2023

Fire Safety Inspection Summary Report

Al-Muslim Apparels Ltd. (Extension)

Introduction:

Al-Muslim Apparels Ltd. (Extension) complex was surveyed for fire safety on 13/06/2023 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 total 6 structures in the premises under this ID. Those are i. Utility Building (5 storied RCC Building), ii. Rest House & Conference Room (2 storied RCC Building), iii. Pump House, iv. Kitchen Shed, v. Jhut Store Shed & vi. Security Guard Room.

Findings & Recommendations :

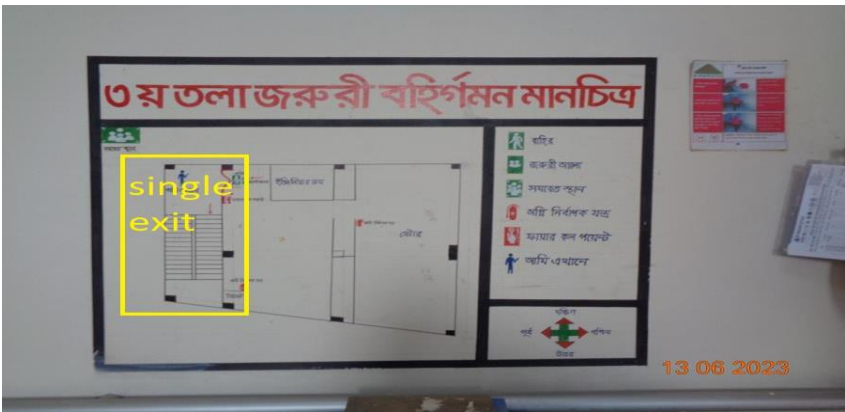
Table 1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue. An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions 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-01	Means of Egress	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction due to unprotected openings on basement floor. Location: Utility building.	Provide minimum 2-hr rated doors for buildings and 1.5-hr fire rated doors for the buildings. Seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2 hr. fire rated materials. 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-02	Fire-Rated Construction	Liquefied or compressed gas cylinders were located within the factory. Location: Kitchen Shed.	LPG/CNG cylinders are permitted to be stored in a separate dedicated building on the factory premises within its boundaries if the building meets the following conditions. 1. The storage building must be at least 3 meters away from any other building and boundaries. 2. The exterior walls of the building must have a fire resistance rating of 3 hours using noncombustible construction. 3. Doors and other openings in the exterior walls must be protected with suitable closing devices having a fire protection rating of 3 hours. 4. The building is to be used for no other purpose than the storage of LPG/CNG cylinders. 5. The building must be mechanically ventilated to control the accumulation of flammable vapors. 6. The installations must be approved and accepted by the requirements of the AHJ, Gas supply company regulations, manufacturers/supplier's instructions/guidance, CIOB and all other applicable agencies, codes and standards.	Within 1 month
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F-03	Mean of Egress	A single means of egress is provided for Utility building on 1st, 2nd, 3rd & 4th floor where occupant load is 30 but travel distance is 25 meter. The single exit for Utility is not allowable for 1st floor and for storage occupancy above 1st floor it is also not allowable.	Provide additional exit stair for throughout the building except ground and basement floor following section 6.6.2 and 6.6.6 of RSC Technical Guideline, section 6.6.2.	Within 3 month

				
F-04	Means Egress	Building did not have stair designation signs at the required locations. Location: Utility building.	Provide stair designation signs at the required locations.	Within 1 month

F-05	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. Location: Rest house & Conference room, Pump House, Kitchen Shed, Jhut Shed & Security Guard Room. Note: Addressable fire alarm system is installed in Utility building with a common system with the another ID (24035).	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72. Submit design to RSC for review prior installation.	Design within 2 months and installation with 5 months
F-06	Inspection, Testing and Maintenance of FADS.	Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with NFPA 72 and RSC Technical Guideline (Standard).	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-07	Fire Protection System (SUPS)	The highest occupied floor of existing building is more than 10 m (33 ft.) and less than 23 m above grade where standpipe system is mandatory and the standpipe system is not installed in the building. Location: Utility building.	Provide Class-III standpipe system (Both a 40 mm connection with attached hose and a 65 mm connection) throughout the building in accordance with NFPA 14, 20,22 and 24. Submit design for review to RSC prior installation.	Design within 2 months and installation with 5 months
F-08	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-09	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.