

INITIAL FIRE SAFETY INSPECTION REPORT

Lavender Garment Limited

RSC ID: 24503

Mouchak, Kaliakoir, Gazipur-1751

Other Factories: None



Inspected By: Pantha Pallob Das & Md. Anisuzzaman

Date: 11-Dec-2022

Fire Safety Inspection Report

Lavender Garment Limited

Introduction:

Lavender Garment Limited; complex was surveyed for fire safety on **11/12/2022** 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. Main production building -4 Storied RCC (Some portion 4 storied and some portion 3 storied. Office portion 4 storied).
- 2.Shed-1-Facilities shed
- 3.Shed-2-Utility shed

Findings & Recommendations :

Table 1- summarizes 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 approval

Table-1: Findings & Recommendations

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire rated construction due to unprotected opening at stair-6 of main production building	The exit stair enclosure shall be provided with a minimum of 2- hr. fire resistance rating with 90 minutes opening protection. 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	Generator, transformer, compressor & boiler are not separated from each other due to internal unprotected opening. Location: Shed-2	Generator & transformer room shall be separated from each other by a minimum 2-hr fire rated construction (wall, floor, slab etc.). Compressor & boiler shall be separated from each other by minimum 1-hr fire rated construction. Seal all penetrations and openings to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location. Or Relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	within 3month
 				

F-3	Fire Rated Construction	Elevator shafts are directly open into the inside of exit enclosure. Location: Stair-3 & stair-6 of production building	Modify the elevator shaft as per RSC Technical Guideline (Standard) V1-6.14.3. An exit stairway shall not be built around a lift shaft unless both of them are located in a smoke proof enclosure and made of a material with fire resistance rating required for the type of construction of smoke proof enclosure. So, ensure the lift shaft is 2-hr fire rated including opening protection with similar rating.	Within 3months
				

F-4	Means of Egress	A single means of egress is provided from second floor office portion (west side) of production building.	Single exit is allowable on ground floor when the occupant load is limited to 50 with maximum common path 23 meter. Single exit is allowable on 1st floor when the occupant load is limited to 30 with maximum common path 23 meter. All other stories require a minimum of 2 egress exits. So, provide additional means of egress for 2nd and 3rd floor of the office building.	Within 1month
				
F-5	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: Production building	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month

F-6	Means of Egress	Guards are provided in means of egress from office portion side which is less than 1067mm (42 inch). Location: Office portion.	Provide guards with a minimum height of 1067 mm (42 inch.).	Within 1 month
				
F-7	Egress Lighting	Manual on-off switch is provided for [emergency lighting / exit signage] units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1month



F-8	Fire Alarm & Detection System (FADS)	Addressable fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard.	Submit design, documents and calculations to RSC for review prior and based on the review modify the system if there is any. After installation 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 1 month and modification within 3 months (If require).
-----	--------------------------------------	--	---	---



F-9	Fire alarm & Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per RSC standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 (Table-14.3.1) or as per RSC standard.	Within 1 Month after installation.
F-10	Fire Protection System(Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 ,20 ,22 & 24 or as per RSC standard.	Submit the standpipe system drawing to RSC for review. Once the design is reviewed, install and modify the standpipe system throughout the building in accordance with review comment, RSC Standard and NFPA 14,20,22 and 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 1 month and modification within 3 months (If require).



F-11	Fire Protection System(Standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 or as per RSC standard.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25 or as per RSC standard.	Within 1 Month after installation.
F-12	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per RSC standard.	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	Within 1 Month