

INITIAL FIRE SAFETY INSPECTION REPORT

Logos Apparels Ltd.- Unit 2 (Extension)

RSC ID: 24850

Telerchala, Mouchak, Kaliakoir, Gazipur

24.0156951, 90.3030802



Inspected By: Kazi Raian Mahmood

Date: 20-Dec-2023

Fire Safety Inspection Report

Logos Apparels Ltd.- Unit 2 (Extension)

Introduction:

Logos Apparels Ltd.- Unit 2 (Extension) complex was surveyed for fire safety on **20-Dec-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):

Factory Building name(s): There are total **02 structures** in the factory compound under this RSC ID 24850. The buildings are as below:

1. Finishing Shed: Single Storied Steel Structure.

Construction started-1st February-2022 and ended-12th December-2023. Occupied-1st November 2023. Operation Started - 12th December 2023.

Total Floor area: 6,700 sqft (Approximately).

2. Utility Building: Single Storied RCC Structure.

Construction started- 1st February-2022 and 1st ended-June-2022. Occupied-2nd December-2022 Total Floor area: 1,100 sft (Approximately).

Telerchala, Mouchak, Kaliakoir, Gazipur

Points of contact:

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Findings & Recommendations :

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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 Number	Total Findings	Building Name	Finding Range	Remarks
1		Finishing Shed & Utility Building		

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	<p>Finishing shed has unprotected openings with other buildings (different owner) within close proximity of 10-ft at both sides (3'-1" to the west with single story shed and 3'-3" to the east with 6 storied RCC building) which are not fire protected.</p> <p>Location: Finishing Shed</p>	<p>Separation of floors, occupancies, hazards, exit enclosures shall be provided with fire-resistive rated construction fire barriers in accordance with section 4.5 of RSC standard.</p>	<p>Within 6 months</p>
<div style="display: flex; justify-content: space-around;">   </div>				

F-2	Fire Rated Construction	<p>CNG cylinder used for compressed gas storage is open to the surrounding occupancy.</p> <p>Location: Near Utility Building</p>	<p>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.</p> <ol style="list-style-type: none"> 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 3 months
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F-3	Fire Rated Construction	<p>CNG pressure controller was observed inside the boiler room at utility building without fire protection.</p> <p>Location: Utility Building</p>	<p>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.</p> <ol style="list-style-type: none"> 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 3 months
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F-4	Fire Rated Construction	<p>Areas used for in-process storage of combustible materials are open to the surrounding occupancy.</p> <p>Combustible materials has kept under cutting table which is non compliant.</p> <p>Location: Finishing Shed</p>	<p>Provide defined storage areas and limit the storage arrangement as follows: -</p> <ol style="list-style-type: none"> 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. <p>or</p> <ol style="list-style-type: none"> 3. Enclose the storage area from the surrounding occupancy with a minimum 1-hour construction. 	Within 3 months
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F-5	Means of Egress	Egress discharges are not free from unusual unsealed penetrations and openings (window etc.) within 10-ft proximity. Location: Finishing Shed	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. Seal all penetrations and openings in the wall of exit enclosure walls (full thickness of the wall) by fire rated materials to maintain the fire resistance rating.	Within 1 month
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F-6	Means of Egress	Aisles marking has not been provided on the floor properly. Location: Finishing Shed	Provide minimum aisle widths of 36-in.	Within 1 months
				
F-7	Means of Egress	Evacuation map has not been provided in the building. Location: Finishing Shed	Provide evacuation map to all the entrance of all the structures.	within 1 months
F-8	Means of Egress	No Smoking' sign has not been provided in the building to ensure prohibition of smoking. Location: Finishing Shed	Provide 'No smoking' sign to all visible areas within the premise where smoking is made prohibited.	within 1 months

F-9	Egress Lighting	<p>The directional signs are not provided where there is a change in direction and where the continuation of the egress path is not obvious.</p> <p>Location: Finishing Shed</p>	<p>Install 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.</p>	<p>Within 1 month</p>
				

F-10	Fire Alarm & Detection system	Fire alarm system is antiquated and non-listed. Stand-alone detector with manual fire alarm was observed.	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/modification within 4 months
				
F-11	Fire Alarm & Detection system (ITM of FADS)	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-12	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
F-13	Egress Lighting ITM	Inspection, testing, and maintenance for the emergency lighting system were not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the emergency lighting system in the accordance with The RSC Technical Guidelines (Standard) and keep written records on-site.	Within 3 months