

INITIAL FIRE SAFETY INSPECTION REPORT

SP Garments Ltd (Extension 2)

RSC ID: 25771

Shirir Chala, Mahona Vabanipur, Vawalgor, Gazipur Sadar

Geographical Coordinates : 24.166879, 90.424443

Other Factories:

1. SP Garments Ltd. (RSC ID: 22993)
2. SP Garments Ltd (Extension Building) (RSC ID: 24241)
3. SP Washing Ltd. (RSC ID: 24814)



Inspected By: Md. Kawsar Rubaiat

Date: 07-Oct-2024

Fire Safety Inspection Report

SP Garments Ltd. (Extension 2)

Introduction:

SP Garments Ltd (Extension 2) complex was surveyed for fire safety on **07-October-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	Dining Building 2-storied RCC+Steel Composite Structure (G+1) Total Approx Area: 11,000 Sq. ft	Construction Start: Sep 2023 Construction End: Feb 2024 Date of first Operation: May 2024 Building Approval: On 28-Aug-2023 from LGED, Gazipur Sadar	New Building



Factory Address: Shirichala, Mohana, Vabanipur, Sadar, Gazipur



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: Dining Building



SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire rated Construction	<p>Areas used for combustible storage open to the factory are not maintained or separated by fire-rated construction.</p> <p>Location: Ground floor</p>	<p>Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction.</p> <p>Or</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: -</p> <ul style="list-style-type: none"> - Maximum height of 2.45m (8ft.) , maximum area of 23m2 (250 ft2) and 3m (10ft.) clear distance from adjacent another unenclosed combustible storage. - If the building/floor is sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m2 (1000 ft2). -In process storage shall be limited to 10 percent of the building area of the story in which they occur. 	Within 3 months
				

F-2	Mean of Egress	<p>Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to fire door interfacing with the FACP has not been completed yet.</p> <p>Location: Ground floor.</p>	<p>Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr. fire-rated construction for fewer stories & 1 -hr. fire rated construction for buildings with 3 stories.</p> <p>Provide minimum 1-hr rated doors for buildings with 3 or fewer stories and 1.5-hr fire-rated doors for buildings that are 4 or more stories. Seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. 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.</p> <p>If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC Technical Guidelines (Standard) 6.8.3.1.</p>	Within 3 months
				

F-3	Mean of Egress	<p>Uneven path of travel and blockage in exit discharge path due to construction purposes.</p> <p>Locations: South exit discharge path.</p>	<p>Remove unnecessary items and level exit path to the public way. Means of egress shall be maintained continuously free and clear of all obstructions</p>	Within 2 months
				

F-4	Means of Egress	<p>The exit discharge path from the south exit discharge continuing through the north side of the building is not separated from the exterior openings within 10 ft due to the adjacent temporary storage area & openings from the utility building.</p> <p>Location: North exit discharge route</p>	<p>Egress courts less than 3050 mm (10 ft) in width (as measured from the building and the adjacent property line) shall be provided with walls having a 1-hr fire resistance rated construction for a distance of 3050 mm (10 ft) above the floor of the court.</p>	Within 3 months
		<div style="display: flex; justify-content: space-around;">   </div>		
F-5	Means of Egress	<p>Occupant load sign, updated evacuation map & stair designation sign were found missing at the required locations on all floors.</p> <p>Locations: All floors</p>	<p>Provide occupant load signs & evacuation plans at required locations. Fire evacuation maps shall be posted at the entrance to each exit stair.</p>	Within 1 month
F-6	Means of Egress	<p>Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.</p> <p>Locations: All floors</p>	<p>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.</p>	Within 3 months

F-7	Means of Egress	<p>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.</p> <p>Locations: All floors</p>	<p>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.</p>	Within 1 month
F-8	Means of Egress	<p>Some illuminated exit signs were illuminated from both sides (transparent) which may misguide the occupant to a direction of exit where there is none.</p> <p>Locations: All floors</p>	<p>Ensure that lighted exit signs are only visible from the side that directs people toward an exit path.</p>	Within 1 month
				

<p>F-9</p>	<p>Fire Alarm & Detection System (FADS)</p>	<p>Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standards.</p>	<p>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.</p> <p>After installation/modification, the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation.</p> <p>Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.</p>	<p>Design Review within 2 months and installation within 4 months.</p>
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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	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-12	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.