

INITIAL FIRE SAFETY INSPECTION REPORT

Shipra Fashion Ltd.

RSC ID: 24659

Shailat, Nijmawna, Sreepur, Gazipur.

Other Factories: None



Inspected By: Mohammad Anayet Hossain & Shahina Imam

Date: 20 March 2023

Fire Safety Inspection Report

Shipra Fashion Ltd.

Introduction:

Shipra Fashion Ltd. was surveyed for fire safety on **20/03/2023** 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):** 1. Main Factory Shed (Steel Structure)
2. Finishing & Warehouse Shed (Steel Structure)
3. Utility Building (Single Story RCC Building)
4. Child care & Office Building (2 Storied RCC Building)
5. Canteen & Pump Room (Single Shed).

Shailat, Nijmawna, Sreepur, Gazipur.

Findings & Recommendations :

Shipra Fashion Ltd. (24659)

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-1	Fire Rated Construction	The Generator room is not separated by fire rated construction (openings, non-rated doors, penetrations) from Transformer room.	Separate the generator room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months



F-2	Fire Rated Construction	<p>Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas & floors. Location: Main Factory Shed & Finishing & Warehouse Shed.</p>	<p>Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction. Store rooms directly discharge in exit stair enclosure shall be separated in accordance with the RSC Technical Guidelines (Standard) Section 6.14.3</p>	Within 3 months
-----	-------------------------	--	--	-----------------



F-3	Fire Rated Construction	The exit corridor (West-side) serving an occupant load exceeding 30 and not fire separated ((openings, non-rated doors, penetrations).	Separate the exit access corridor by a minimum 1-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations; Or, Provide automatic sprinkler protection throughout the story or building.	Within 3 months
-----	-------------------------	--	---	-----------------



F-4	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Main Factory Shed.	<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. or 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction. 	Within 3 months
-----	-------------------------	---	---	-----------------



F-5	Fire Rated Construction	Storage were observed underneath the cutting tables. Location: Main Factory Shed.	Storage underneath the cutting tables shall be kept clear of combustibles at all time, except as provided for miscellaneous storage in accordance with the RSC Technical Guidelines (Standard) section 3.4.2.1.6 or where automatic sprinkler protection is installed. Where an automatic sprinkler system is installed sprinklers are required to be installed beneath cutting tables greater than 4 ft. in width that are used for storage of combustibles.	Within 3 months
-----	-------------------------	---	---	-----------------



F-6	Means of Egress	Building did not have occupant load signs at required locations.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Within 1 month
F-7	Means of Egress	Aisles is not provided at packing section	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 1 month



F-8	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on all floors.	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 1 month
-----	-----------------	--	---	----------------

F-9	ITM of Emergency light and Exit Sign	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC Technical standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC Technical standard. Keep written records on-site.	Within 1 month after installation
F-10	Egress Lighting	Exit signs were provided on both side of exit.	Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious.	Within 1 month



F-11	Fire Alarm and Detection System (FADS)	Fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standards).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval; modification (if required) shall have to done as per the reviewed design and standard.	Design review within 2 months and installation within 4 months.
------	--	--	--	---



F-12	Inspection, Testing and Maintenance of FADS.	Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with 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-13	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 1 month
------	---------------------------	---	---	----------------