

INITIAL FIRE SAFETY INSPECTION REPORT

Purbani Fashion Ltd (New Building)

RSC ID: 24373

Kamarpara, Shernagar, Belkuchi, Sirajganj.

Other Factories: Purbani Fashion Limited - 22937



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Date: 15 March, 2022

Fire Safety Inspection Report

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Introduction:

RSC ID: 24373

Purbani Fashion Ltd (New Building) was surveyed for fire safety on 15/03/2022 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): There are total 4 structures under this ID. The name of the structures are as: 1. Building 1(6 Storied RCC Building), and 2. Building 2 (2 storied RCC Utility Building)(2 Boiler, 1 Generator, 1 Transformer, 1 Compressor, 1 LT Panel), Building 3 (2 Storied RCC Security building), and Shed 2 (Wastage store)

Factory Address: Kamarpara, Shernagar, Belkuchi, Sirajganj.

Findings & Recommendations :

Purbani Fashion Limited (New Building)

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:

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.	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2-hr fire-rated construction. Provide minimum 1.5-hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation. 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. 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 ACCORD standard 6.8.3.1.	Within 3 months
				

F-2	Fire Rated Construction	Unsealed floor penetrations through utility riser are located in the fire-rated floor/ceiling assemblies. Location: Bonded Warehouse.	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
				
F-3	Fire Rated Construction	Areas used for combustible storage at several floors open to the factory are not separated by fire rated construction.	Provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8ft.) and maximum area of 23m2 (250 ft2). - If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m2 (1,000 ft2). Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months
 				

F-4	Fire Protection System (Sprinkler System)	The existing high-rise building with an occupiable floor is greater than 23 m (75 ft) above the finished grade. Sprinkler system and fire pump installation requires detailed review to confirm compliance with NFPA 13 and ACCORD standard.	Submit the sprinkler system drawing to RSC for review. Once reviewed, install or modify the system throughout the building in accordance with Accord standard and NFPA 13. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design Review within 2 months and modification within 4 months (if require).
				
F-5	Inspection, testing, and maintenance	Inspection, testing, and maintenance of the automatic sprinkler system is not in accordance with NFPA 25 or as per Accord standard.	Inspect, test and maintain the automatic sprinkler system, and keep written records on-site, in accordance with NFPA 25 or as per Accord standard.	Within 1 month
F-6	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	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.	Within 1 month



F-7	Fire Alarm & Detection System (FADS)	Addressable fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	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 2 months and modification within 4 months (If require).
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F-8	Inspection, testing, and maintenance	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 NFPA 72.	Within 1 month
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F-9	Inspection, testing, and maintenance	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.	Within 1 month
F-10	Inspection, testing, and maintenance	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with NFPA 10.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with NFPA 10. Keep written records on-site.	Within 1 month
F-11	Fire Protection System (Standpipe System)	Standpipe system and fire pump installation requires detailed review to confirm compliance with NFPA 14, 20, 22, 24 and ACCORD standard.	Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with Accord standard and NFPA 14 and 20. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design Review within 2 months and modification within 4 months (If require).
 				
F-12	Inspection, testing, and maintenance	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14.	Within 1 month

F-13	Inspection, testing, and maintenance	Inspection, testing and maintenance of the pump is not in accordance with NFPA 14.	Inspect, test and maintain the pump and keep written records on-site, in accordance with NFPA 14.	Within 1 month
F-14	Egress	The width of egress aisles located at several floors are less than 36-inch.	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 2 months
F-15	Egress	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 1 month
F-16	Egress Lighting	Emergency lights not illuminated during testing (burned out, broken, etc.).	Regularly inspect all emergency lighting system as per Accord standard and replace/install lights as needed to illuminate signs.	Within 1 month
F-17	Fire Rated Construction	Elevator shafts are directly open into the north-east exit Enclosure (Stair-1). Location: Building-1.	Ensure minimum 2-hr listed/3rd part certified fire rated lift landing doors for elevator shafts otherwise close the area of the shaft with a 2-hr fire-rated construction barrier. Or, Modify the stair enclosure and elevator opening arrangement in a way to satisfy Accord standard 6.14.3. For new construction, elevators shall not open into an exit enclosure as per ACCORD-6.14.3. Elevator landing door shall be of 1.5-hr fire rated as per Accord standard 4.6 and shall be open in factory floor.	Within 3 months