

INITIAL FIRE SAFETY INSPECTION REPORT

Progress Apparels (Bangladesh) Limited (Extension)

RSC ID: 24765

MS-SFB 01& 02, Adamjee EPZ, Shiddirganj, Narayanganj.

Geographical Coordinates of factory building: 23.670782419 and 90.5122804642

Other Factories: Progress Apparels (Bangladesh) Limited-ID: 12764



Inspected By: Md. Hasanuzzaman and Shahina Imam

Date: 11 December-2023

Fire Safety Inspection Report

Progress Apparels (Bangladesh) Limited (Extension)

Introduction:

Progress Apparels (Bangladesh) Limited (Extension). Complex was surveyed for fire safety on **11/12/2023** 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. Utility Building (RCC 04 storied), G+3
2. Wash & Maintenance shed (Steel)Single Story
3. LAB Room (Single Story RCC)
4. ETP (Single Story RCC)
5. Fire Pump room (B+G), RCC
6. Generator Room-01 (RCC Single Story)
7. Compressor Room (Single Story RCC)
- 8 Security Control Room (Single Story RCC)
9. Childcare Room (Single Story RCC)
10. Diesel Storage Shed (Single Story Shed)
11. Pump Room -01 RCC Single Story
12. Pump Room -02 RCC Single Story
13. Electric Wastage Room (Basement Structure)
14. Cleaning Materials Room (Basement Structure)

Points of contact:

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Table-1: Finding & recommendation

Sl No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire-Rated Construction	Exterior exit stair-1 & 2 of utility building are not properly separated from the building interior by unprotected window opening within 10 feet. Stair discharge are not protected from miscellaneous store at ground floor.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft, to provide a minimum 1-hr fire separation.	Within 3 months
 				

F-2	Fire Rated Construction	Floor to floor unsealed penetration has been observed at utility building between ground floor boiler to first floor production (pleating room) due to passing steam line.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by fire rated materials to maintain the fire resistance rating. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 Months
				

F-3	Fire Rated Construction	Hazardous materials / flammable liquid storage area is not separated by fire-rated construction from Boiler, Generator & compressor area at Ground Floor.	Hazardous materials / flammable liquid storage shall be in compliance and separated in accordance with BNBC 2006 Part 3 Section 2.13. Seal and/or protected all openings to maintain the required fire separations.	Within 3 Months
 				

F-4	Fire Rated Construction	Miscellaneous Storage area is not separated by fire-rated construction from Boiler, Generator & compressor area at Ground Floor.	Openings from exit enclosure to storage room, generator and hazard spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the Store, generator, substation room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 Months
				
F-5	Means of Egress	Building did not have stair designation signs at required locations.	Provide stair designation sign at each floor entrance from the stair to the floor in English and Bengali. Signs shall indicate the name of the stair and the floor level. Signs shall be posted adjacent to the door.	Within 1 Month

F-6	Means of Egress	Building did not have occupant load signs and evacuation map at the required locations.	Provide stair designation signs and occupant load signs at the required locations.	Within 1 Month
F-7	Means of Egress	Slope of ramp in Wash & Maintenance shed should meet the requirement of RSC Technical Guideline (Standard), Section 6.3.4.	Provide an level walking surface in exit discharge in accordance with 6.3.4 and 6.10.of RSC Technical Guidelines (Standard).	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.	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-9	Egress Lighting	Directional signs are not provided where direction of the path of travel to an exit has changed.	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-10	Egress Lighting	Illuminated Exit sign was not provided of exit at required location.	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	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-12	Fire Alarm & Detection System (FADS)	Automatic fire alarm & detection system installation requires detailed review for to confirm compliance with NFPA 72 and RSC standards. Location: Wash & Maintenance shed (Steel)Single Story, ETP (Single Story RCC), LAB Room (Single Story RCC) and others structure.	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. After installation/modification, 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 installation within 4 months.



f-13	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-14	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