

INITIAL FIRE SAFETY INSPECTION REPORT

Adury Fashion & Print Ltd.

RSC ID: 26472

Geographical Coordinates: 23.96044975401502, 90.71870789358161

Address: Karardi, Shibpur, Narsingdi, Bangladesh

Other Factories: Adury Apparels Ltd. [ID: 10087], Adury Apparels Ltd. (Extension 2) [ID: 24735] &
Adury Apparels Ltd. (New Shed), Shed-8 [ID: 23645]



Inspected By: Md. Anisuzzaman & Md. Kawsar Rubaiat

Date: 28-Oct-2025

Fire Safety Inspection Report

Adury Fashion & Print Ltd.

Introduction:

Adury Fashion & Print Ltd.; complex was surveyed for fire safety on **28-Oct-2025** 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

There is One structure covered under this RSC ID-26472.

SL No	Building Name	Building Construction Period	Approval Date & Authority	Occupied	Structure type	Construction Category
1	Building -13: (Adury Fashion & Print): G+5 storied Total Floor Area: 2,84,868 Sq. ft	Apr-2015 to Jun-2017	Approved from Upazila Parishad, Shibpur, on 13-Aug-2017	Jun-2017	RCC	Interim Building

Factory Address: Karardi, Shibpur, Narsingdi, Bangladesh

Findings & Recommendations :

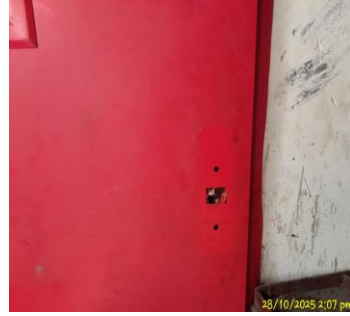
Table-1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue. An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the RSC for review.

Table-1: Buiding-13

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Means of Egress	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction. Location(s): Roof, Building-13. Non-compliance: Unprotected opening from the lift machine room, fire door non-functionality, etc.	The exit stair enclosure shall be provided with a minimum of 2-hr. fire resistance rating for buildings 4 or more stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for building with 4 or more stories in accordance with section 6.3.1.2 of RSC Technical Guidelines (Standard)¹ V1.0. Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer. Ensure that the fire doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.	Within 3 Months



F-2	Means of Egress	Proper certification was not available for fire rated doors and door accessories installed in the factory and most of the fire doors and accessories were in damaged condition. Location(s): All floors, Building-13.	Keep proper datasheet & certifications for installed fire doors & accessories on-site for verification. Replace/install the non-functional/missing fire door accessories and properly inspect, test & maintain fire door as per NFPA 80. In cases of a field modification, the laboratory with which the product or component being modified is listed shall be contacted through the manufacturer and a written or graphic description of the modifications shall be presented to that laboratory. A written authorization from that laboratory is required. Field modification shall conduct as per NFPA 80.	Within 1 Month
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F-3	Means of Egress	Posted Fire evacuation maps are not updated as per site conditions. Location(s): Building-13.	Update the fire evacuation map and shall be posted at the entrance to each exit stair in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 13.3.	Within 1 Month
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F-4	Means of Egress	Aisles were found missing in several locations. Location(s): GF (Auto colour room), 2nd floor (Printing area), etc. (Building-13)	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 1 Month
				

F-5	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed. Location(s): Building-13.	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 in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.3.	Within 1 Month
				

F-6	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location(s): All floors, Building-13.	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. Illumination on means of egress shall meet in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 10.12.2.	Within 3 Months
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F-7	Means of Egress	Exit stairs serve more than 5 stories and do not have required reentry provisions on all floors. Location(s): Building-13.	Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC Technical Guidelines (Standard)¹ V1.0. Section 6.8.3.1.	Within 3 Months
F-8	Means of Egress	The exterior exit stair is not separated from the building interior within 10 feet of the exit stair. Location(s): North-Mid Stair, 1st floor, & south-west stair on GF, Building-13.	Nonrated walls or unprotected openings enclose the exterior of the stairway and the walls or openings are exposed by other parts of the building at an angle of less than 180 degrees (3.14 rad), the building exterior walls within 3050 mm (10 ft) horizontally of a nonrated wall or unprotected opening shall have a fire-resistance rating of not less than 2 hr. in accordance with section 6.3.1.3 of RSC Technical Guidelines (Standard)¹ V1.0.	Within 3 Months
  				

F-9	Means of Egress	Building does not have updated occupant load signs at the required locations as per on side condition. Location(s): Building-13.	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 in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.4.4.	Within 1 Month
F-10	Means of Egress	Outdoor AC & DB board were located in the exit stair enclosure. Location: South-East stair on GF & 1st floor, Building-13.	Remove and re-locate all AC Outdoors from exit stair enclosures. Or, Provide fire separation with stair enclosure in accordance with section 6.3.1 of RSC Technical Guidelines (Standard)¹ V1.0.	Within 3 Months
 				

F-11	Means of Egress	Manual on-off switch is provided for exit signage units. Location: All floors of the Building-13.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 Month
				

F-12	Means of Egress	Unsealed penetrations and openings are located in exit stair enclosures. Stream lines & power cable passing through the exit enclosure. Location(s): West-North side on all floor of the Building-13.	No other penetration into and through the exit enclosure except for fire alarm equipment electrical raceway, required exit doors, sprinkler piping, standpipes, and electrical conduit serving the exit enclosure is permitted in accordance with section 6.14.4 of RSC Technical Guidelines (Standard)¹ V1.0. So, relocate the electrical wires/raceways to somewhere else avoiding the exit enclosure, and seal the created unprotected openings with a minimum of 1.5 hours listed/certified fire-rated materials. Installation shall be as per manufacturer published installation guideline and the certification authority guideline to ensure the fire-rating. Or seal the penetration by 2-hr masonry construction.	Within 3 Months
 Shot with my Galaxy A13 28 October 2025  Shot with my Galaxy A13 28 October 2025  28/10/2025 1:08 pm				

F-13	Means of Egress	The guards have gaps that are too large, allowing a sphere 200 mm (8 in.) in diameter to pass through. Location: All Handrail of Building-13.	Open guards shall have intermediate rails or pattern such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.).	Within 3 Months
				

F-14	Means of Egress	Some lighted exit signs were two-sided, so that they indicated an exit where there were none. Location(s): 1st floor, Building-13.	Ensure that lighted exit signs are only visible from the side that directs people toward an exit path.	Within 1 Month
				

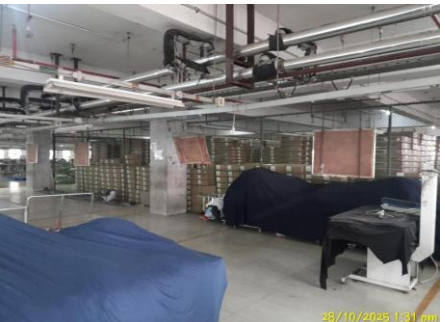
F-15	Fire rated construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location(s): Ground, first, 4th & 5th floors of the Building-13.	Provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.45 m and maximum area of 23 m² and is separated by a minimum 3.0 m (10ft) from other storage areas and they do not exceed 10 percent of the building area of the story in which they occur. or, If sprinkler protected, Maximum height 12 ft (3.66 m) and maximum area of 1000 ft² (93 m²) and separated by at least 25 ft (7.62 m) and does not constitute more than 10 percent of the building area or 4000 ft² (372 m²) of the sprinklered area, whichever is greater. or, Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 Months
				

F-16	Fire rated construction	Elevator shafts open directly into the exit enclosure, which doesn't comply with RSC Technical Guidelines (Standard), section 6.14.3. Location(s): N-E side & N-W side of Building-13.	Provide a minimum 2-hr fire rated elevator shaft to separate it from stair enclosure. No discharge is accepted through elevator shaft. Seal all openings to maintain fire separations.	Within 3 Months

F-17	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. Location(s): Building-13. Non-compliance reason: Unsealed Penetration through BBT.	Seal all penetrations and openings in floor/ceiling assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain minimum 3-hr./ 2-hr. fire resistance rating. Installation shall be as per manufacturer published installation guideline and the certification authority guideline to ensure the fire-rating in accordance with section 4.7 of RSC Technical Guideline (Standard) Or, Provide a minimum 2-hr fire rated shaft to separate the penetration from each floor if required.	Within 3 Months
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F-18	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. Location(s): Building-13. Non-compliance reason: Unsealed Penetration through Plastic Plumbing Pipe, Steam Pipe, etc.	Seal all penetrations and openings in floor/ceiling assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain minimum 3-hr. fire resistance rating. Installation shall be as per the manufacturer's published installation guidelines and the certification authority guideline to ensure the fire-rating in accordance with section 4.7 of RSC Technical Guideline (Standard) Or, Provide a minimum 2-hr fire rated shaft to separate the penetration from each floor if required.	Within 3 Months
				

F-19	Fire Rated Construction	Compressor is not separated by fire-rated construction from other Occupancies (production area). Location(s): 2nd floor, Building-13.	Boilers/compressor or other heat producing equipment shall be separated from other occupancies by a minimum 1-hr fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should be protected by 0.75-hr (45 min) fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location. Or Relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building. Boiler room separation shall meet section 3.4.2.1.2 of RSC Technical Guideline (Standard) .	Within 3 Months
				

F-20	Fire Rated Construction	Rooms used for storage and printing material storage are not separated from the surrounding occupancy (Production). Location(s): 1st, 2nd, 4th floors, etc. Building-13. Non-Compliance: 1. Unprotected opening at Printing material storage on the Ground Floor & 2nd Floor. 2. Unprotected opening for store on 1st Floor, 2nd, 4th Floors, etc..	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction in accordance with section 3.4.2.1.5 of RSC Technical Guideline (Standard).	Within 3 Months
				

F-21	Fire Rated Construction	Unprotected openings in the exterior wall in two consecutive floors lying within 1.5 m and vertical spread of fire is not restricted. Location(s): East side, South & West side of the Building-13.	Provide flame barriers as similar as sunshades or cornices or projected wall at least 750 mm from the external face of the exterior wall. BNBC 2006 Part III chapter 3 clause 3.1.7.2.	Within 6 Months
  				

F-22	Fire Rated Construction	The required fire separation distance for the main production building does not comply with the requirements of BNBC 2006. Location(s): South side of the Building-13.	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2006, Tables 3.2.2 and Part 3 Section 2.4.1.3.	Within 6 Months
				

F-23	Fire Rated Construction	Storages were found underneath the cutting tables. Location(s): 5th floor, Building-13.	Storage underneath the cutting tables shall be kept clear of combustibles at all time, except as provided for miscellaneous storage in accordance with 3.4.2.1.6 or , 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-24	Fire Alarm & Detection System (FADS)	The factory has installed a fire alarm and detection system that requires a detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard). Location(s): Building-13.	Submit the fire alarm and detection system design to RSC for review. Once the design is reviewed, install and modify the fire detection and alarm system throughout the building in accordance with review comment, 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.	Design within 2 Month and modification/ installation with 4 Months
 				
F-25	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72. Location(s): Building-13.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 Month after installation

F-26	Fire Suppression System (SUPS)	The highest occupied floor of the main building is over 75 feet above grade, mandating a sprinkler system along with a class I standpipe. The factory has installed a sprinkler system with a class III standpipe, requiring a detailed review to ensure compliance with NFPA 13, 14, 20, 22, and 24 and RSC Technical Guidelines (Standard). Location(s): Building-13.	Submit the fire Suppression System (standpipe and sprinkler) design to RSC for review. Once the design is reviewed, install and modify the fire Suppression System throughout the building in accordance with review comments, RSC Technical Guidelines (Standard), and NFPA 13, 14, 20, 22 and 24. After installation, the owner shall conduct internal testing and commissioning, and then contact the RSC for witness of final acceptance testing.	Design within 2 Months and modification/ installation with 4 Months
				

F-27	Fire Suppression System (SUPS)	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and RSC Technical Guidelines (Standard)¹ V1.0. Location(s): Building-13.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval. Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guidelines (Standard)¹ V1.0. and NFPA 14 and 20. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design within 2 Months and modification/ installation with 4 Months
				

F-28	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance of the standpipe system, sprinkler system & fire pump are not in accordance with NFPA 25. Location(s): Building-13.	Inspect, test, and maintain the standpipe system, sprinkler system & fire pump and keep written records on-site, in accordance with NFPA 25 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 Month after installation
F-29	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10. Location(s): Building-13.	Inspect, test and maintain the portable fire extinguishers and keep written records on- site, in accordance with NFPA 10 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 Month

F-30	Inspection, Testing & Maintenance (Fire)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with the RSC Technical Guidelines (Standard)¹ V1.0. Location(s): Building-13.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with the RSC Technical Guidelines (Standard)¹ V1.0.. Keep written records on-site.	Within 1 Month
F-31	Inspection, Testing & Maintenance (Fire)	Written housekeeping policy was not found, which is required as per RSC Technical Guideline (Standard) section 13.6. Location(s): Building-13.	Establish written corporate and plant policies on housekeeping to ensure scheduled cleaning for floor, wall, ceiling, supply and return air ventilation systems. Promptly reschedule skipped cleanings. Provide a documented line of authority for authorizing a cleaning delay and rescheduling. As a general rule the maximum tolerable deposit thickness for loose fluffy lint is 13 mm (½ in.) over a maximum of 46.5 m2 (500 ft2). Limit dense deposits to 6 mm (¼ in.) and oil saturated deposits to 3.2 mm (⅛ in.).	Within 1 Month