

INITIAL FIRE SAFETY INSPECTION REPORT

**Ananta Jeans wear Ltd. (Extension)
RSC ID: 24585**

277/2, (Old 134) kabi Jashim Uddin Road, Pagar, Tongi, Gazipur.

Other Factories: Not in the building but in the premises.



**Inspected By: Monsurul Akram Azim & Yusuf Ahmed
Date: 12 March 2023**

Fire Safety Inspection Report

Ananta Jeans wear Ltd. (Extension)

Introduction:

Ananta Jeans wear Ltd. (Extension) complex was surveyed for fire safety on **12/03/2023** 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): Building-A: 6-Storied RCC Building

Factory Address: 277/2, (Old 134) kabi Jashim Uddin Road, Pagar, Tongi, Gazipur.

Points of contact:

Arif Ahmmed Khan
General Manager
Cell: +8801713199707
[Email: arifkhan@ananta.com.bd](mailto:arifkhan@ananta.com.bd)

Ashim Kumar Majumder
Sr. DGM
Cell: +8801613199524
[Email: ashim@ananta.com.bd](mailto:ashim@ananta.com.bd)

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:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction due to non-functionality of fire rated doors and non-rated opening.	The exit stair enclosure shall be provided with a minimum 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. 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	Fire Rated Construction	Openings from exit enclosures to storage areas are not provided with vestibules.	Provide vestibules for openings from exit enclosures to storage areas, basements, transformer rooms, generator rooms, boiler rooms, and similar normally unoccupied spaces according to RSC Technical Guideline (Standard)- 6.14.3.	Within 3 months
				
F-3	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies. Location: Electrical riser and PVC pipe penetration throughout the entire floors.	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level or seal all penetrations and openings in floors/ceiling assemblies by 3-hr fire rated listed/certified materials. The installation of such fire rated materials shall be following certified design.	Within 3 months



F-4	Means of egress	Floor nos., occupant load, stair designation sign are not present in all the exit stairs.	Provide floor nos., maximum & present occupant load, stair designation sign in every stair in all floors	Within 1 month
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F-5	Means of egress	Handrails are not provided on both sides of exit stair. Location: Exit stair from 2nd floor.	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.)	Within 1 month
				

F-6	Means of egress	During the inspection egress aisles were obstructed by combustible storages and available clear width were found less than 36 inch.	Provide aisles free from obstructions and with minimum clear widths of 36-inch.	Immediately
				

F-7	Means of egress	The width of the exit stair from the 2nd floor dining area is less than 1.5 m (60 in.)	In new and interim construction and constructed stairs post 24 November 2013, stairs shall have a minimum width of 1.5 m (60 in.) for all industrial occupancies and 2.0 m (79 in.) for all assembly occupancies. For assembly use areas provided for prayer halls, dining halls and like areas that are for integral use by the factory workers, the minimum width for the primary occupancy use of the building shall be permitted to be used.	Within 3 months
				

F-8	Means of egress	A single means of exit has been provided on 1st floor and 2nd floor. 1st & 2nd floor using as dining.	The number of means of egress from any floor, story or portion thereof shall not be less than 2 except where a single exit is permitted by RSC Technical Guideline (Standard)-6.6.2, a single means of egress is permitted by RSC Technical Guideline (Standard)-6.6.5 or where a greater number is required by RSC Technical Guideline (Standard)-6.6.3. For Basement/Ground floor 1. Maintain maximum 50 occupants having a travel distance of 23m (75 ft). Or Provide additional exit. For First Floor 1. Maintain maximum 30 occupants having a travel distance of 23m (75 ft) for occupancy F,G & H only. Or Provide additional exit.	Within 3 months
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F-9	Egress lighting	Exit sign not provided at exit. Location: Stair-1 and Stair-2 exits on all floors.	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. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month
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F-10	Egress lighting	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: All floors.	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
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F-11	Fire Alarm and Detection System (FADS)	The fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and RSC technical guidelines (standard).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review. Once reviewed, install or modify the fire detection and alarm system (where required) throughout the building in accordance with RSC technical guidelines (standard). and NFPA 72. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design Review within 2 Months and modification/installation within 4 months after review.
				
F-12	Inspection, Testing and Maintenance of FADS.	Inspection, testing and maintenance for the fire detection and alarm system was 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/modification.

F-13	Fire Protection System (SUPS)	The firefighting system (Standpipe) installation requires detailed review to confirm compliance with NFPA 14, 20, 22, 24 and RSC Technical Guideline (Standard).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review. Once reviewed, install or modify the standpipe system and pump (where required) throughout the building in accordance with RSC technical guidelines (standard) and NFPA 14, 20, 22 and 24. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design Review within 2 Months and modification/installation within 4 months after review.
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F-14	Standpipe ITM	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 25	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25.	Within 1 month after installation/modification.
F-15	Fire Pump ITM	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 25.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 25.	Within 1 month after installation/modification.