

INITIAL FIRE SAFETY INSPECTION REPORT

Humana Apparels Pvt. Ltd

RSC ID: 26255

Location: 24°05'43.3"N 90°10'07.0"E
Gorai, Mirzapur, Tangail-1941

Other Factory : Explore Garments Ltd. (RSC ID: 24948)

Shahzaib Washing & Dyeing Ltd (GF to 2nd Floor of Main Production Building, Non RSC)



Inspected By: Md. Anisuzzaman, Tanvir Jubayer Rahman, Al-Shahriar Shovon & Hamed Mustakim

Date: 25-June-2025

Fire Safety Inspection Report

Humana Apparels Pvt. Ltd

Introduction:

Humana Apparels Pvt. Ltd complex was surveyed for fire safety on **25-June-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

Factory Building name(s):

SI	Name	Construction year	Type
01	Main Production Building (11-Storied RC Building) Floor area: Approx. 73,100 sft per floor Note: Only 8th & 9th Floor are occupied by Humana Apparels Pvt. Ltd and covered under this inspection.	Construction year : Dec-2017 to Aug-2023. Occupied year : Sep-2022 Building Approval: Not available.	Interim Construction
02	Utility Building (2-Storied RCC Building) Floor area: Approx. 12,450 sft per floor	Construction year : Mar-2021 to Feb-2022. Occupied year : Sep-2022 Building Approval: Not available.	New Construction
03	RMS ROOM-1 (1-Storied RCC Building) Floor area: Approx. 500 sft.	Construction year : Jan-2018 to Mar-2018. Occupied year : Apr-2018 Building Approval: Not available.	Interim Construction
04	RMS ROOM-2 (1-Storied RCC Building) Floor area: Approx. 600 sft.	Construction year : Feb-2022 to Mar-2023. Occupied year : Apr-2022 Building Approval: Not available.	New Construction
05	PUMP Room (01 Storied RCC Building) Floor area: Approx. 40 Sft.	Construction year : Jan-2018 to Jan-2018. Occupied year : Jan-2018 Building Approval: Not available.	Interim Construction
06	Security Guard Room (1-Storied RCC Building) Floor area: Approx. 850 sft.	Construction year : Sep-2022 to Mar-2023. Occupied year : Sep-2023 Building Approval: Not available.	New Construction
07	Gate-2 (1-Storied RCC Building) Floor area: Approx. 300 Sft.	Construction year : Sep-2023 to Oct-2023. Occupied year : Oct-2023 Building Approval: Not available.	New Construction

Additional Note: The 11 storied main production building is commonly used by three different business entities.

Only eighth floor and ninth floor of the building are occupied by Humana Apparels Pvt. Ltd (RSC ID: 26255), which are covered during this initial inspection.

Ground to Second floors are occupied by Shahzaib Washing & Dyeing Ltd (Non-RSC), and other floors are occupied by Explore Garments Ltd. (RSC ID: 24948).

Other structures are common for all three business entities located inside the factory premises and covered under RSC ID: 24948. There is another additional ancillary structure named ETP (2-Storied RCC Building) covered under RSC ID 24948.

Factory Address: Gorai, Mirzapur, Tangail-1941

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 approval.

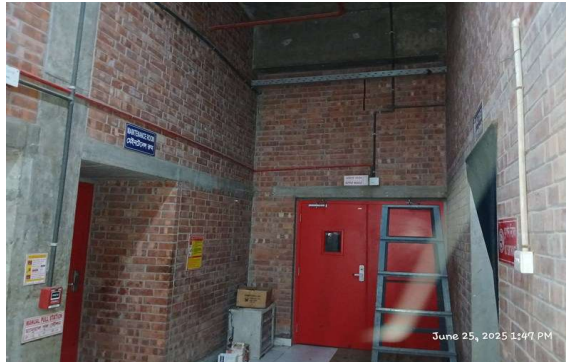
Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: 9th floor(dehumidity room) of main production building.	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 a 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-2	Fire Rated Construction	Storages were found underneath the cutting tables. Location: 8th Floor of main production building.	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-3	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed due to plastic plumbing pipe. Location: 8th and 9th Floor of main production building.	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
				

F-4	Means of Egress	Unsealed penetrations and openings are located in exit stair enclosures due to penetration of plastic plumbing pipe. Location: Stair-05 on the 9th floor & Stair-03 on the ground floor of main building.	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
 				

F-5	Means of Egress	Unsealed penetrations and openings are located in exit stair enclosures due to Electrical cable/ BBT raceway. Location(s): Stair-03 on the ground floor of main building.	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
 				

F-6	Means of Egress	Width of aisles is less than 0.9m (36-in.). Location: 8th Floor of main production building.	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.) in accordance with section 6.5.1 of RSC Technical Guidelines (Standard) ¹ V1.0.	Within 3 Months
F-7	Means of Egress	Stair clear width was found less than 60 in. Location: Stair-01 Available Stair Width: 56inch	Stairs shall have a minimum clear width of 60 in./ 35 in for all industrial occupancies as per RSC Technical Guideline (Standard) section of 6.5.6	Within 3 Months
F-8	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: 8th and 9th Floor of main production building.	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-9	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: 8th and 9th Floor of main production building.	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
F-10	Means of Egress	The exit stair enclosures are not separated from Loading-Unloading and Vehicle parking area by fire-rated construction . Location: Ground floor at Stair-5.	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer stories and a minimum of 2- hr. fire resistance rating for buildings 4 or more stories. Provide 1-hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction for building with 3 or fewer 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.	Within 3 Months
 				

F-11	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). If the factory has already reviewed the FADS drawing of the occupied floors of this RSC ID along with the previous RSC ID 24948, no separate initial review for this ID (26255) will not be required.	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
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F-12	Inspection, Testing & Maintenance (Fire)	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 and RSC Technical Guidelines (Standard)¹ V1.0.s.	Within 1 Month after installation.
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F-13	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). If the factory has already reviewed the SUPS drawing of the occupied floors of this RSC ID along with the previous RSC ID 24948, no separate initial review for this ID (26255) will not be required.	Submit the fire Suppression System (fire pump, 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 comment, 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 month and modification/ installation with 4 months
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F-14	Inspection, Testing & Maintenance (Fire)	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 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 Month after installation.
F-15	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance of the automatic sprinkler system is not in accordance with NFPA 25.	Inspect, test and maintain the automatic sprinkler system 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-16	Inspection, Testing & Maintenance (Fire)	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 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 Month after installation.
F-17	Inspection, Testing & Maintenance (Fire)	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 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 Month
F-18	Inspection, Testing & Maintenance (Fire)	Fire drills are not conducted according to section 13.2 of RSC Technical Guidelines (Standard) ¹ V1.0.	Fire drills shall be conducted according to section 13.2 of RSC Technical Guidelines (Standard) ¹ V1.0. Fire drills shall be conducted on a monthly basis as outlined in BNBC 2020 Part 4 Appendix A.	Within 1 Month
F-19	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..	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