

INITIAL FIRE SAFETY INSPECTION REPORT

Mango Tex Limited

RSC ID: 26390

Geographical Coordinates: 23°54'22.4"N 90°19'22.1"E

Address: Hossain Plaza 2 ,Tungabari, ashulia,Savar Dhaka

Other Factories: None



Inspected By: Md. Anisuzzaman

Date: 23-September-2025

Fire Safety Inspection Report

Mango Tex Limited

Introduction:

Mango Tex Limited, complex was surveyed for fire safety on **23-Sept-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 are total Five structures covered under this RSC ID 26390. Among these one structure is for production and other four structures are ancillary. The buildings are as below:

SL No	Building Name	Building Construction Period	Approval Date & Authority	Occupied	Structure type	Construction Category
1	Building-1: Production building. Total area: 8563 SQM	Mar-2011 to Jan-2014	Approved from LGED ,Ashulia, Savar on 1/11/2016	Current management : Aug-2021 (Previously occupied by Jointex Fashion Wears Limited (Unit 03))	RCC (B+G+4)	Interim Construction or Buildings
2	Shed-1:(Utility 1) Total area: 84 SQM	Jan-2014 to Jan-2015	Approved from LGED ,Ashulia, Savar on 1/12/2014		Single storied shed	Interim Construction or Buildings
3	Shed-2:(Utility 2) Total area: 18.58 SQM	Jan-2014 to Jan-2015	Approved from LGED ,Ashulia, Savar on 1/12/2014		Single storied shed	Interim Construction or Buildings
4	Shed-3: Security, Doctor Total area: 46 SQM	Jan-2014 to Jan-2015	Approved from LGED ,Ashulia, Savar on 1/12/2014		Single-storied Shed	Interim Construction or Buildings
5	Fire pump room Total area: 7.4 SQM	Jan-2014 to Jan-2015	Approved from LGED ,Ashulia, Savar on 1/12/2014		Single-storied masonry structure	Interim Construction or Buildings

Factory Address: Hossain Plaza 2 ,Tungabari, Ashulia, Savar Dhaka.

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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: All structures under this ID

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Fire Rated Construction	<p>Rooms used for storage of combustible materials are not separated from the surrounding occupancy(production)</p> <p>Location: First floors of the production building</p> <p>Non-compliance reason: Unprotected opening & installed non-listed fire doors.</p>	<p>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).</p>	Within 3 Months

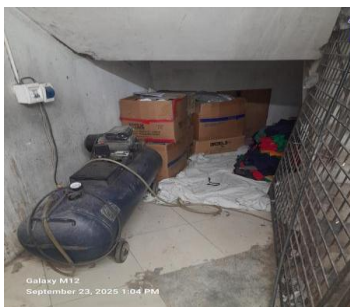
F-02	Fire Rated Construction	<p>Areas used for in-process storage of combustible materials are open to the surrounding occupancy.</p> <p>Location: Ground , 2nd,3rd & 4th floor of the Production building</p>	<p>Provide defined storage areas and limit the storage arrangement as follows:</p> <p>Maximum 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.</p> <p>or,</p> <p>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.</p> <p>or,</p> <p>Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.</p>	Within 3 Months
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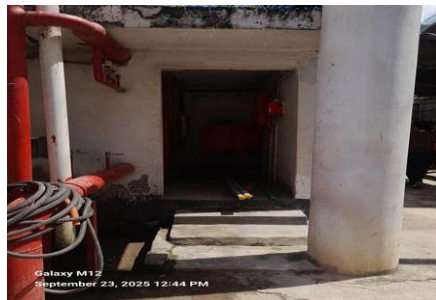
F-03	Fire Rated Construction	<p>Boiler equipment is not properly separated by fire rated construction from the adjacent Building.</p> <p>Location: Shed-2(Utility-2). Adjacent of the production Building.</p>	<p>Boilers or other heat producing equipment shall be separated from other occupancies by a minimum 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.</p> <p>Or</p> <p>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) .</p>	Within 3 Months
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F-04	Fire Rated Construction	<p>The required fire separation distance for Building-01(production) does not comply with the requirements of BNBC 2006</p> <p>Location: South side, east side & west side of the production building.</p>	<p>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.</p>	Within 6 Months




F-05	Fire Rated Construction	<p>Compressor/heat producing equipment is not properly separated by fire rated construction.</p> <p>Location: Under exit stair on Ground floor of the production building.</p>	<p>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.</p> <p>Or</p> <p>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) .</p>	Within 3 Months
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F-06	Fire Rated Construction	<p>The fire pump room is not provided with adequate fire separation.</p> <p>Location: Fire pump room Non-compliance reason: Unprotected opening(distance 5 feet) from production on ground floor west side</p>	<p>Provide fire pump room with 2 hr. rated fire separation when building is not fully sprinklered and 1 hr. rated fire separation when the building is provided with automatic sprinklers in accordance with NFPA 13.</p> <p>Or,</p> <p>Physically separate the pump room from the protected building by a minimum of 50 ft. (15.3 m) in accordance with NFPA 20.</p> <p>Provide direct access from the outside or provide a 2-hr enclosed passageway from an enclosed stairway or exterior exit.</p>	Within 3 Months
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F-7	Fire Rated Construction	<p>Storages were found underneath the cutting tables.</p> <p>Location: Ground & 2nd floors of the production building.</p>	<p>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.</p>	Within 3 Months
 <p>The first photo shows a long cutting table with a patterned cloth draped underneath, with various items stored below. The second photo shows a similar setup with cardboard boxes and materials stored under the table. The third photo shows a cutting table with a white cloth underneath, and a person is visible in the background.</p>				
F-8	Fire Rated Construction	<p>Penetrations through floor/ceiling assemblies are found unsealed.</p> <p>Location: All floor of the production buildings</p> <p>Non-compliance reason: Unseal penetration Through the electrical cable riser</p>	<p>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.</p>	Within 3 Months



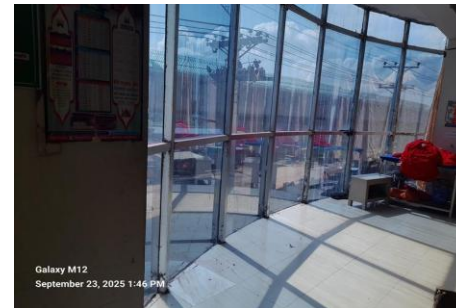
F-9	Fire Rated Construction	<p>Penetrations through floor/ceiling assemblies are found unsealed.</p> <p>Location: All floor of the production buildings</p> <p>Non-compliance reason: Unseal penetration through the Plumbing plastic pipe</p>	<p>Seal all penetrations and openings in floor/ceiling assemblies 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)</p> <p>Or,</p> <p>Provide a minimum 2-hr fire rated shaft to separate the penetration from each floor if required.</p>	Within 3 Months
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F-10	Fire Rated Construction	<p>Liquefied or compressed gas cylinders were located within the factory without adequate fire separation.</p> <p>Location: North side of production building Available Fire Separation distance: Adjacent of shed-2(boiler room)</p>	<p>Remove the liquefied or compressed flammable gas cylinders. The storage or use of liquefied or compressed flammable gas (LPG/CNG) cylinders within the factory building as per section 3.4.2.1.11 of RSC Technical Guidelines (Standard)¹ V1.0.</p> <p>Or,</p> <p>Factory shall follow the requirements RSC Published "SUPPLEMENTARY PAPER ON TECHNICAL GUIDANCE NOTE FOR USE OF LIQUIFIED OR COMPRESSED FLAMMABLE GAS IN FACTORY PREMISES" to use or store liquefied or compressed flammable gas cylinders in the factory premises.</p>	Within 3 Months
				
F-11	Fire Rated Construction	<p>Dining (E4 occupancy) area is not separated from store (H2 occupancy) with fire rated assemblies.</p> <p>Location: First floor of the production building.</p>	<p>Separate the dining area from other occupancies with 3-hr fire rated construction, provide minimum 3-hr. rated doors for the openings and seal the unprotected penetrations.</p> <p>Provide required exits that lead directly to the street or exit stairwell or leading to a corridor or open space.</p>	Within 3 Months



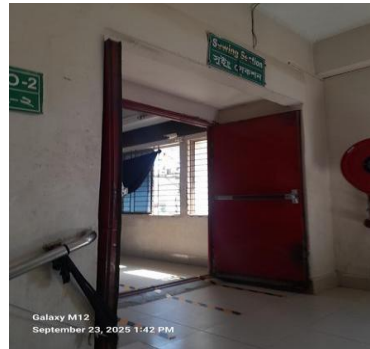
F-12	Fire Rated Construction	<p>Unprotected openings in the exterior wall in two consecutive floors lying within 1.5 m and vertical spread of fire is not restricted.</p> <p>Location: West side of the production building</p>	<p>Provide flame barriers as similar as sunshades or cornices or projected wall at least 750 mm from the external face of the exterior wall.</p> <p>The flame barrier shall have a fire resistance rating of not less than three-fourths hour.</p> <p>For Interim Building, BNBC 2006 Part III chapter 3 clause 3.1.7.2</p>	Within 6 Months
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F-13	Fire Rated Construction	<p>The day-care room does not separated from other occupancy (Cooking area)</p> <p>Location: Shed-3. Adjacent of production building(Ground floor W-S side) under same roof.</p>	<p>Separate the day-care from other occupancy ac per Table 3.2.1 (BNBC 2006)</p>	<p>Within 3 Months</p>
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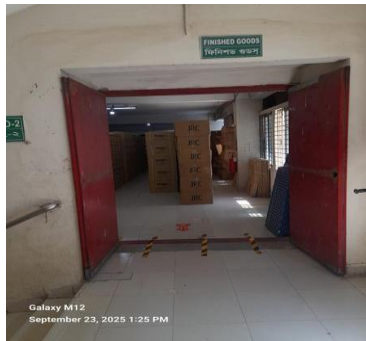
F-14	Means of Egress	<p>The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction.</p> <p>Location: All three exit stairs of the production building.</p> <p>Non-compliance : 1. Due to unprotected opening at all floors of the east side stair</p> <p>2. Non-listed fire doors of the W-N & W-S side of the all stairs</p>	<p>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.</p> <p>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.</p> <p>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.</p> <p>Keep proper datasheet & certifications for installed fire doors & accessories on-site for verification. The clearance under the bottom of a door shall be a maximum of 3/4 in. (19 mm)..</p>	Within 3 Months
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F-15	Means of Egress	<p>Unsealed penetrations and openings are located in exit stair enclosures.</p> <p>Electrical cable passing through the exit enclosure.</p> <p>Location(s): W-N side exit stair on ground floor of the production building</p>	<p>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.</p>	Within 3 Months
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F-16	Means of Egress	<p>Storage areas rooms and similar normally unoccupied spaces discharges directly into the exit stair enclosure.</p> <p>Location(s): Basement & 1st floor of the production building</p>	<p>Openings from exit enclosure to Storage areas/ basements/ transformer rooms/ generator rooms/ boiler rooms and similar normally unoccupied spaces shall be provided with a vestibule with fire rated construction and openings in accordance with section 6.14.3 of RSC Technical Guidelines (Standard)¹ V1.0. Provide a min 1-hr fire rated door on the exit stair side and a 1.5 hr./1-hr fire rated door on the Store, generator, sub-station room side . Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure as per RSC Technical Guidelines (Standard)¹ V1.0. section 6.14.3. The minimum width for vestibules shall not be less than 1.1m and length 1.8m.</p>	Within 3 Months
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F-17	Means of Egress	<p>The egress path along means of egress has interrupted by obstruction/storage/process work</p> <p>Location: Basement , ground floor of the production building</p>	<p>Keep egress paths and stairs clear of storage/obstruction in accordance with section 6.3.9 of RSC Technical Guidelines (Standard)¹ V1.0.</p> <p>Means of egress shall be maintained continuously free and clear of all obstructions or impediments to full instant use in the case of fire or other emergency. No furnishings, decorations, or other objects shall obstruct exits and access to exits. Nothing shall obstruct or impede visibility to exits.</p>	Immediately
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F-18	Means of Egress	<p>Storage were located in the exit stair/stair enclosure.</p> <p>Location: Exit stair-1 ,2 & 3 of the production Building</p>	<p>Remove all storage from exit stairs and egress path in accordance with section 13.8 of RSC Technical Guidelines (Standard)¹ V1.0.</p> <p>Means of egress shall be maintained continuously free and clear of all obstructions or impediments to full instant use in the case of fire or other emergency. No furnishings, decorations, or other objects shall obstruct exits and access to exits. Nothing shall obstruct or impede visibility to exits.</p>	Immediately
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F-19	Means of Egress	<p>The egress court is less than 10 ft wide and is not separated from the building interior which is not in accordance with section 6.17.2 of RSC Technical Guidelines (Standard)¹ V1.0.</p> <p>Location: West side of the production building.</p>	<p>Egress courts less than 3050 mm (10 ft) in width (as measured from the building and the adjacent property line) shall be provided with walls having a 1-hr fire resistance rated construction for a distance of 3050 mm (10 ft) above the floor of the court.</p> <p>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.</p>	Within 3 Months



F-20	Means of Egress	<p>Aisles were found missing on several locations throughout the building.</p> <p>Location: First & 2nd of the production building</p>	<p>Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.</p>	<p>Within 1 month</p>
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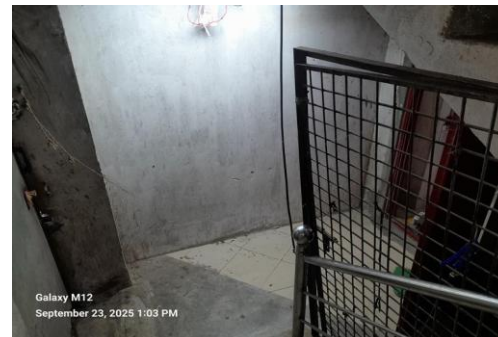
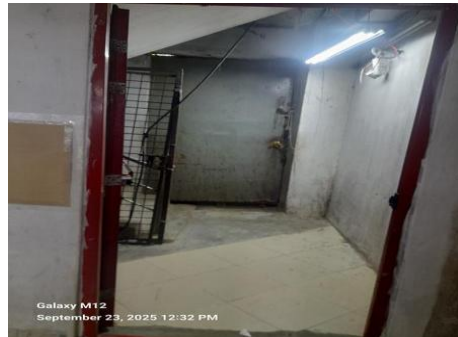



F-21	Means of Egress	<p>Doors along means of egress are provided with non-compliant locking devices.</p> <p>Location: First floor of the production & Main exit gate .</p>	<p>Remove locking devices from all egress devices in accordance with section 6.8.2 of RSC Technical Guidelines (Standard)¹ V1.0.</p> <p>No locks or other devices shall be installed on a means of egress component that would prevent any occupant from having safe egress from the building or structure and doors shall not be locked in the direction of egress under any conditions. All hasps, locks, slide bolts, and other locking devices are prohibited unless meet the following conditions:</p> <ul style="list-style-type: none"> • Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. Turning a door handle and disengaging a lock is considered two motions. • Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons. 	Immediately
				

F-22	Means of Egress	<p>Doors in the means of egress do not have the required minimum width. (Available Width: 36inh)</p> <p>Location: All floors of the exit stair-3 east side of the production & pocket gate of the main gate</p>	<p>Doors in a means of egress shall have a minimum width of 1 m (39 in.), in accordance with section 6.5.6.1 of RSC Technical Guidelines (Standard)¹ V1.0.</p>	Within 1 Month
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F-23	Means of Egress	<p>Egress door serving 50 or more occupants but does not swing in the direction of egress travel.</p> <p>Location: Main Exit gate on ground level of the building.</p>	<p>Modify swing direction of egress doors to the direction of egress travel. Doors serving an occupant load of more than 50 shall swing in the direction (out-ward) of egress travel in accordance with section 6.8.1 of RSC Technical Guidelines (Standard)¹ V1.0.</p>	Within 1 Month



F-24	Means of Egress	<p>Exit stair(s) terminates the occupants inside the building which does not comply with section 6.17 of RSC Technical Guidelines (Standard)¹ V1.0.</p> <p>Location: Production building Level of Discharge: East side exit stair at ground floor</p>	<p>Exits shall discharge directly to the exterior of the building unless meeting the requirements of 6.17.2 or 6.17.3 as per RSC Technical Guidelines (Standard)¹ V1.0.</p>	Within 3 Months
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F-25	Means of Egress	<p>Stair clear width was found less than 60 in.</p> <p>Location: Basement level at West-South side exit stair & east side exit stair all floors.</p> <p>Available Stair Width: 40inch & 46inch.</p>	<p>Stairs shall have a minimum clear width of 60 in. in for all industrial occupancies as per RSC Technical Guideline (Standard) section of 6.5.6</p>	Within 3 Months
				
F-26	Means of Egress	<p>Doors are swing out over aisles.</p> <p>Location: Basement level of the production building.</p>	<p>A landing shall be provided on both sides of doors used in the means of egress to facilitate uninterrupted egress of occupants. Door shall not swing out over stairs. Landings with same width as the stair clear width shall be provided at each level and at intermediate landings.</p>	Within 3 Months



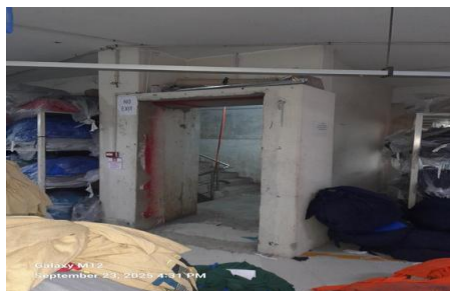
F-27	Means of Egress	<p>Fire evacuation maps are not updated as per site condition.</p> <p>Location: Production Building & all other structures.</p>	<p>Update the fire evacuation map and shall be posted at the entrance to each exit stair in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 13.3.</p>	<p>Within 1 Month</p>
F-28	Means of Egress	<p>Building does not have occupant load signs at required locations on all floors.</p> <p>Location: All exit stair of the production Building.</p>	<p>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 .</p>	<p>Within 1 month</p>
F-29	Means of Egress	<p>Exit signage/directional signage not illuminated during testing (burned out, broken, etc.).</p> <p>Location: Production Building.</p>	<p>Regularly inspect all exit signage/directional signage as per RSC Technical Guidelines (Standard)¹ V1.0. and replace/install lights as needed to illuminate signs.</p>	<p>Within 1 Month</p>



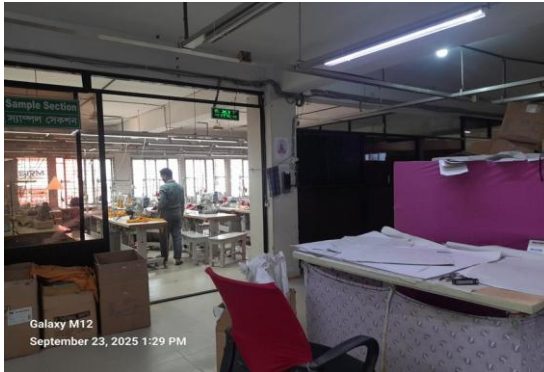
F-30	Means of Egress	Emergency lights not illuminated during testing (burned out, broken, etc.). Location: Production building.	Regularly inspect all emergency lighting system as per RSC Technical Guidelines (Standard) ¹ section 13.12 and replace/install lights as needed to illuminate signs.	Within 1 Month
F-31	Means of Egress	Manual on-off switch is provided for exit signage units. Location: Production building.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 Month
F-32	Means of Egress	Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation. Location: All stairs of the production Building.	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.). 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.). Handrail shall construct in accordance with RSC Technical Guidelines (Standard) ¹ V1.0 Section 6.12.	Within 3 Months



F-33	Means of Egress	<p>Parapets are provide less than 42 inch in occupiable roof.</p> <p>Available Height: 40 inch</p> <p>Location: Production Building.</p>	<p>Provide parapets or guards with a minimum height of 1067mm (42 inch.) in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.12</p>	Within 3 Months
F-34	Means of Egress	<p>Building does not have stair/floor level designation signs at required locations on all floors.</p> <p>Location: Production Building.</p>	<p>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 in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.9.3.</p>	Within 1 Month
F-35	Means of Egress	<p>Exit sign not provided at exit.</p> <p>Location: All floor of the exit stair-3(east side) of the Production Building & all other structures.</p>	<p>Lighted exit signs shall be placed at entrance to an exit. Additional directional 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 at all times. Exit Sign shall provide in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.</p>	Within 1 Month





F-36	Means of Egress	<p>Directional signs are not provided where direction of the path of travel to an exit has changed.</p> <p>Location: Production Building.</p>	<p>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.</p>	Within 1 Month
F-37	Means of Egress	<p>Sliding type doors have provided along means of egress [building exits, along egress routes].</p> <p>Location: Ground , first & 3rd floors of the Production Building.</p>	<p>Replace all collapsible/sliding/shutter type doors & gates by the side-hinged swinging type doors in accordance with section 6.8.1 of RSC Technical Guidelines (Standard)¹ V1.0.</p> <p>All doors in a means of egress shall be of the side-hinged swinging type.</p> <p>Roll--down and sliding gates and shutters shall not be allowed. Doors serving an occupant load of more than 50 shall swing in the direction of egress travel.</p>	Within 1 Month




F-38	Means of Egress	<p>Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.</p> <p>Location: Production building & all other structures.</p>	<p>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.</p>	Within 3 Months
F-39	Fire Alarm & Detection System (FADS)	<p>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).</p> <p>Location: All structures</p>	<p>Submit the fire alarm and detection system design to RSC for review.</p> <p>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.</p> <p>After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.</p>	Design within 2 Month and modification/ installation with 4Months




F-40	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.
F-41	Inspection, Testing & Maintenance (Fire)	The required no smoking signs are not present in the factory.	Smoking is prohibited in any garment factory building or separate storage building. Signs shall be posted in Bengali and English at all building entrances. If the factory creates a designated smoking area outside the building, information of these areas will be posted on the signs. Smoking sign shall post in accordance with section 13.5 of RSC Technical Guideline (Standard)	Within 1 Month
F-42	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-43	Fire Suppression System (SUPS)	It was observed non listed 40mm hose in the factory. So The factory is require listed standpipe system. Standpipe system is requires a detailed review to confirm compliance with NFPA 14,20, 24 and RSC Technical Guidelines (Standard).	<p>Submit the standpipe system drawing to RSC for review.</p> <p>Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guidelines (Standard)¹ V1.0. and NFPA 14, 20,22 and 24.</p> <p>After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the standpipe system.</p>	Design within 2 Month and modification/ installation with 4 Months
<div style="display: flex; justify-content: space-around;">   </div>				
F-44	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance of the standpipe system, sprinkler system & fire pump is not in accordance with NFPA 25.	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-45	Fire Suppression System (SUFS)	<p>It was observed only one non-listed Diesel pump installed in the factory premises. So Listed Fire pump installation requires detailed review to confirm compliance with NFPA 20 and RSC Technical Guidelines (Standard)¹ V1.0.</p> <p>Location: Production Building.</p>	<p>Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.</p> <p>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.</p>	<p>Design within 2 Month and modification/ installation with 4 Months</p>
				
F-46	Inspection, Testing & Maintenance (Fire)	<p>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..</p>	<p>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.</p>	<p>Within 1 month</p>

F-47	Inspection, Testing & Maintenance (Fire)	Written housekeeping policy was not found, which is required as per RSC Technical Guideline (Standard) section 13.6.	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
F-48	Fire Suppression System (SUPS)	Portable fire extinguishers are not installed throughout all facilities. Location: Production Building.	Install fire extinguishers at locations and heights in accordance with section 5.6 of RSC Technical Guideline (Standard)	Within 1 Month
F-49	Fire Suppression System (SUPS)	Fire extinguishers were found at several areas but placed on floors. Location: Basement & ground floor of the production Building.	The bottom of the fire extinguisher and the floor be less than 4 in.(102 mm).As per NFPA 10 section 6.1.3.8.3	Within 1 Month



F-50	Means of Egress	<p>Shutter type doors have provided along means of egress [building exits]</p> <p>Location: Shed-1:(Utility 1)</p>	<p>Replace all collapsible/sliding/shutter type doors & gates by the side-hinged swinging type doors in accordance with section 6.8.1 of RSC Technical Guidelines (Standard)¹ V1.0.</p> <p>All doors in a means of egress shall be of the side-hinged swinging type.</p> <p>Roll--down and sliding gates and shutters shall not be allowed. Doors serving an occupant load of more than 50 shall swing in the direction of egress travel.</p>	Within 1 Month
				
F-51	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