

INITIAL FIRE SAFETY INSPECTION REPORT

Gumti Textile Ltd. (Extension)

RSC ID: 25892

Shafipur, Anser Academy, Kalikour, Gazipur

Co-ordinate: 24.0302861479531 N ,90.2670461526618 E

Other Factories: Gumti Textile Ltd. (RSC ID- 10974)



Inspected By: Md. Rakibul Islam & Al- Shahriar

Date: 21 August, 2025

Fire Safety Inspection Report

Gumti Textile Ltd. (Extension)

Introduction:

Gumti Textile Ltd. (Extension) complex was surveyed for fire safety on **21-August-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):

Factory Building name(s): There are total 24 numbers of structures in the factory compound. Eleven (11) number of structures [Building-D: Production Building (1. 2 storied steel building), 2. Single storied Shed-2; 3. Single Storied Shed-3; 4. Single storied toilet zone; 5. Single storied Compressor Room; 6. Single storied SDB Room; 7. Single storied Mini boiler shed; 8. Single Storied CNG/ RCU; 9. Single storied LPG Storage and Vaporizer Room; 10. Jhute Boiler Shed and 11. Chemical Shed] have been covered in this inspection under RSC ID # 25892. Among them shed-2, shed-3, toilet zone, compressor room and SDB room are attached with Building-D. Thirteen (13) numbers of structures [1. 6 Storey Building-A; 2. 6 Storey Building-E; 3. 6 Storey Building-B; 4. Single Storied Shed-C; 5. 2 storied Substation Building; 6. 2 Storied WTP Building, 7. 2 storied Utility Building; 8. Single Storied ETP Chemical Shed; 9. Mosque (Single Story Shed); 10. Canteen (Single Story Shed); 11. Kitchen (Single Story RCC); 12. Security Building & RMS(Single Story RCC) and 13. Single Storied Walk way shed] have been previously covered by ACCORD under "Gumti Textile Ltd." (RSC ID- 10974). The buildings under RSC ID-25892 are as below:

SI No	Building Name & Description	Construction History	Period
1	Building -D , Production Building. (G+1) (2 Storied Steel Building) Total Approx Area: 63, 120 Sft	Construction Start: October, 2021 Construction End: February, 2022 Date of first Operation: June, 2022. Building Approval: Not Found	New
2	Fabric Relaxation shed -2 (G) (Single Storied Shed) Total Approx Area: 2,916 sft	Construction Start: September, 2024 Construction End: October, 2024 Date of first Operation: October, 2024 Building Approval: Not Found	New
3	Fabric Relaxation shed -3 (G) (Single Storied Shed) Total Approx Area: 2,766 sft	Construction Start: September, 2024 Construction End: October, 2024 Date of first Operation: October, 2024 Building Approval: Not Found	New

SI No	Building Name & Description	Construction History	Period
4	Compressor Room (G) (Single Storied Shed) Total Approx Area: 258 sft	Construction Start: Oct, 2024 Construction End: Oct, 2024 Date of first Operation: Oct, 2024 Building Approval: Not Found	New
5	SDB Room (G) Single Storied RCC Building Total Approx Area: 356 sft	Construction Start: May, 2022 Construction End: May, 2022 Date of first Operation: May, 2022 Building Approval: Not Found	New
6	Toilet Zone (G) (Single Storied Shed) Total Approx Area: 280 sft	Construction Start: Dec, 2024 Construction End: Dec, 2024 Date of first Operation: Dec, 2024 Building Approval: Not Found	New
7	Mini Boiler Room (G) (Single Storied Shed) Total Approx Area: 236 sft	Construction Start: Apr, 2023 Construction End: May, 2023 Date of first Operation: May, 2023 Building Approval: Not Found	New

SI No	Building Name & Description	Construction History	Period
8	CNG-RCU (G) (Single Storied Shed) Total Approx Area: 323 sft	Construction Start: Jan, 2023 Construction End: Jan, 2023 Date of first Operation: Jan, 2023 Building Approval: Not Found	New
9	LPG Storage & Vaporizer Room (G) (Single Storied Shed) Total Approx Area: 1076 sft	Construction Start: Apr, 2025 Construction End: May, 2025 Date of first Operation: Aug, 2025 Building Approval: Not Found	New
10	Jhut Boiler Shed (G) (Single Storied Shed) Total Approx Area: 5,650 sft	Construction Start: Mar, 2025 Construction End: Jun, 2025 Date of first Operation: Aug, 2025 Building Approval: Not Found	New
11	Chemical Shed (G) (Single Storied Shed) Total Approx Area: 9,800 sft	Construction Start: Jan, 2022 Construction End: Feb, 2022 Date of first Operation: Mar, 2022 Building Approval: Not Found	New


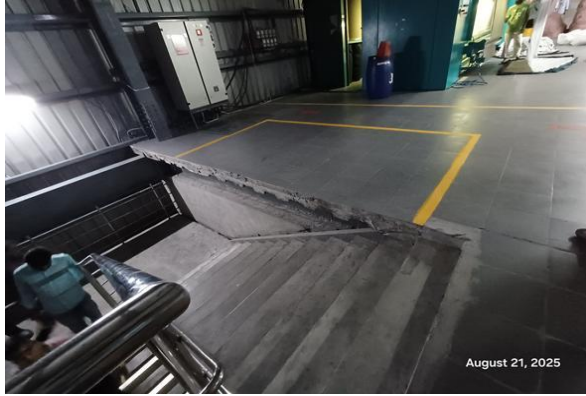




Findings & Recommendations :

Table 1 & 2 summarize the fire safety non-compliant issues identified during the inspection. Recommendations have been provided to address each issue with specific remediation timeline. 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.



Sr	Fire CAP Numbers	Name of Structure
1	F 01 - F 23	1. Building-D: Production Building (2 storied steel building), 2. Single storied Shed-2; 3. Single Storied Shed-3; 4. Single storied toilet zone; 5. Single storied Compressor Room and 6. Single storied SDB Room
2	F 24 - F 42	7. Single storied Mini boiler shed; 8. Single Storied CNG/ RCU; 9. Single storied LPG Storage and Vaporizer Room; 10. Jhute Boiler Shed and 11. Chemical Shed

Table-1: 1. Building-D: Production Building (2 storied steel building), 2. Single storied Shed-2; 3. Single Storied Shed-3; 4. Single storied toilet zone; 5. Single storied Compressor Room and 6. Single storied SDB Room

SI No.	Category	Findings	Required Action	Remediation Time Frame
F1	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 number of staircases in Building-D.</p> <p>Non-compliance reason: (i) Fire rated construction was not ensured, (ii) Unsealed penetrations are found fire rated barrier construction; (iii) Unprotected steel structural element is found in all staircases; & (iv) Unprotected openings are also found in all staircases.</p>	<p>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.</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

SI No.	Category	Findings	Required Action	Remediation Time Frame
		 <p>August 21, 2025</p>	 <p>August 21, 2025</p>	 <p>August 21, 2025</p>
		 <p>August 21, 2025</p>	 <p>August 21, 2025</p>	 <p>August 21, 2025</p>

SI No.	Category	Findings	Required Action	Remediation Time Frame
F2	Fire Rated Construction (Passive Fire Protection of Steel Structure)	<p>The main structural element of the new building is constructed by steel which is non-rated and were found in exposed condition without any fire protection.</p> <p>Location: 1. Building-D: Production Building (2 storied steel building), 2. Single storied Shed-2; 3. Single Storied Shed-3.</p> <p>Height of Peak = 13.82m. Height of Eave = 13.26m. Lift Shaft height is more than 14.0m.</p> <p>Note: Fabrics Relax Shed-2 and Shed-3 along with Shed-C are in same fire compartment with Building-D.</p>	<p>The construction type shall confirm to be in accordance with BNBC 2020 Part-3, Table 3.1.7. Ensure fire resistive rated construction following Table 3.3.1 (a) Part 3 Section-3, Table 3.2.2 and Table 3.2.3 Part 3 Section 2 and Table 4.1.1 from BNBC 2020 Part 4 Section 1. Provide design philosophy to determine the construction type as per BNBC 2020. If any construction rating requires, Consult a qualified fire protection engineer to achieve the require fire rating.</p> <p>Submit the design philosophy along with the required documents to RSC for review the required construction type.</p> <p>Once the design philosophy is reviewed, provide fire ratings of structural members.</p>	Within 6 Months

SI No.	Category	Findings	Required Action	Remediation Time Frame
		 <p>Building-D Ground Floor</p> <p>August 21, 2025</p>	 <p>Building-D 1st Floor</p> <p>August 21, 2025</p>	 <p>Height of Lift Shaft serving Building-D</p>
		 <p>Building-D</p> <p>Walking Shed & Shed-C</p> <p>August 21, 2025</p>	 <p>Fabric Relax Shed-2</p> <p>Building-D</p> <p>August 21, 2025</p>	 <p>Fabric Relaxation Shed-3</p> <p>Building-D</p> <p>August 21, 2025</p>

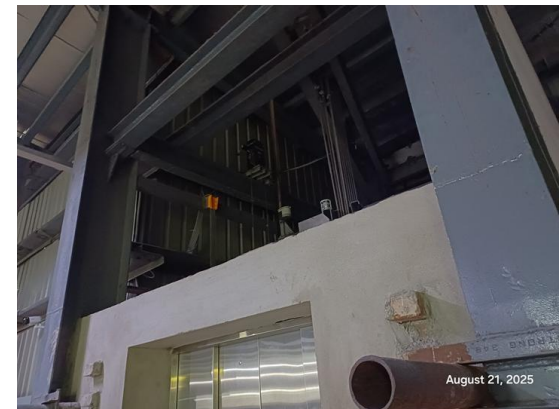
SI No.	Category	Findings	Required Action	Remediation Time Frame
F3	Fire separation	<p>Unprotected openings in the exterior wall in two consecutive floors lying within 1.5 m and vertical spread of fire is not restricted.</p> <p>Location: Building-D.</p> <p>Non-compliance reason: Exterior wall of ground floor and 1st floor are not provided with required fire resistance rating.</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 new building, BNBC 2020 Part III chapter 3 clause 3.1.9.2 Keep proper datasheet & certifications for installed sandwich panel in exterior facade.</p>	Within 6 Months



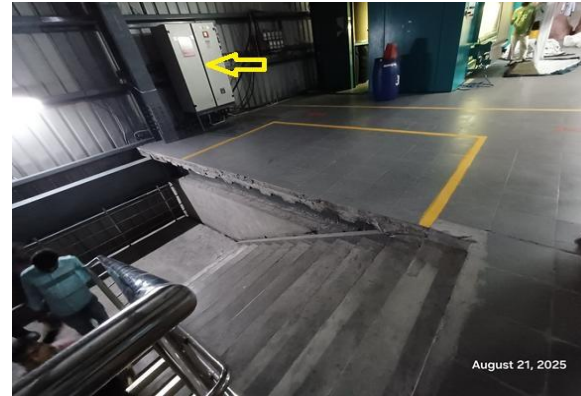
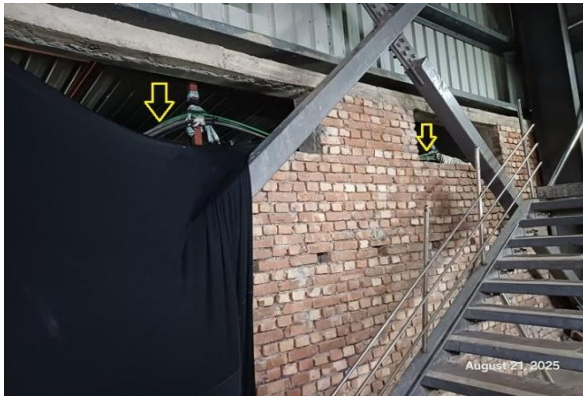
SI No.	Category	Findings	Required Action	Remediation Time Frame
F4	Means of Egress	Storage areas discharges directly into the exit stair enclosure. Location: All three number staircases on 1st Floor in Building-D.	Openings from exit enclosure to Storage areas/ basements/ transformer rooms/ generator 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-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.	Within 3 Months



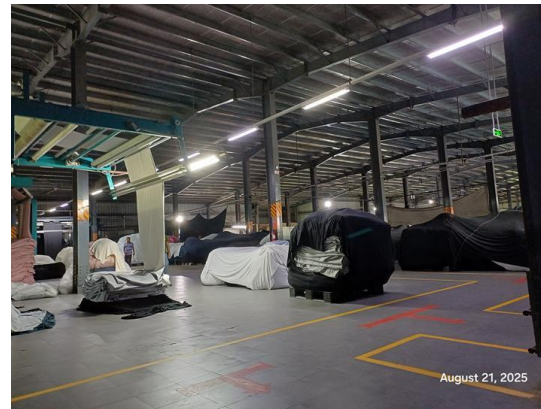
SI No.	Category	Findings	Required Action	Remediation Time Frame
F5	Fire Rated Construction	<p>N-W Elevator shaft open directly into the N-W exit enclosure-3, which doesn't comply with RSC Technical Guidelines (Standard) , section 6.14.3.</p> <p>Mid- East Elevator shaft open directly into the production floor without proper fire separation due to unprotected barrier and opening.</p> <p>Location: Building-D.</p> <p>Non-Compliance Reason: (i) Unprotected steel structural element; (ii) Unprotected opening & (iii) Partition wall was not constructed on the upper machine room portion.</p>	<p>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.</p> <p>Elevator shaft shall be separated from production area by 2 hours fire rated construction. 2-hr fire barriers shall be protected with minimum 1.5-hr fire protective opening assemblies.</p>	Within 3 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F6	Means of Egress	<p>Unsealed penetrations and openings are located in exit stair enclosures.</p> <p>Electrical cable raceway passing through the exit enclosure on ground floor south-east staircase-1. Electrical DB located on 1st floor of N-W staircase-3.</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



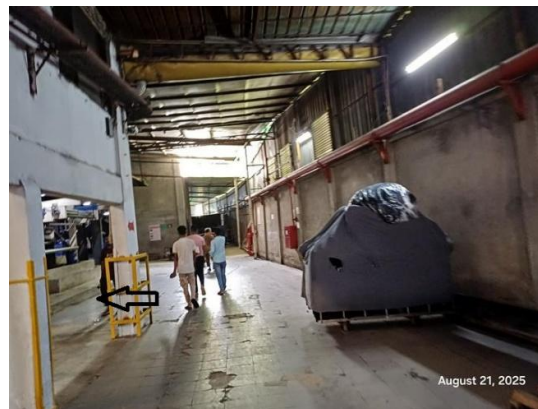
SI No.	Category	Findings	Required Action	Remediation Time Frame
F7	Fire Rated Construction	<p>Rooms used for storage of combustible materials is not separated from the surrounding occupancy.</p> <p>Location: Finished goods store on 1st floor with dyeing finishing section in Building-D.</p> <p>Non-Compliance Reason: (i) Fire rated partition wall is not constructed and (ii) Unprotected opening.</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



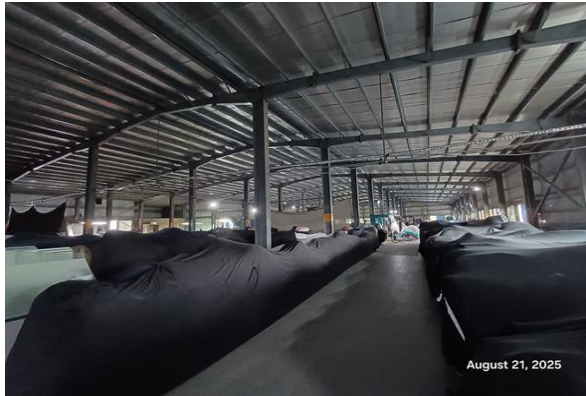
SI No.	Category	Findings	Required Action	Remediation Time Frame
F8	Fire Rated Construction	<p>Areas used for in-process storage of combustible materials are open to the surrounding occupancy.</p> <p>Location: On ground floor of Building-D, Fabric relaxation Shed-2 & Shed-3.</p>	<p>Provide defined storage 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



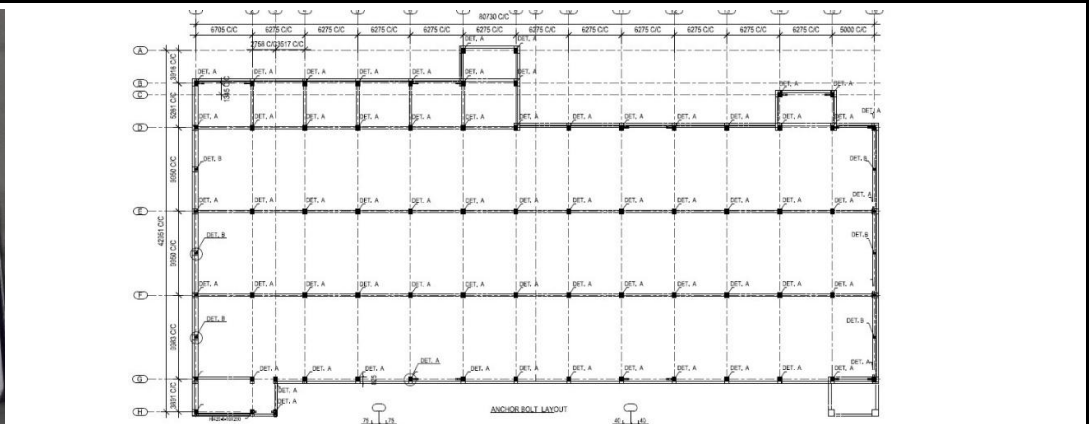
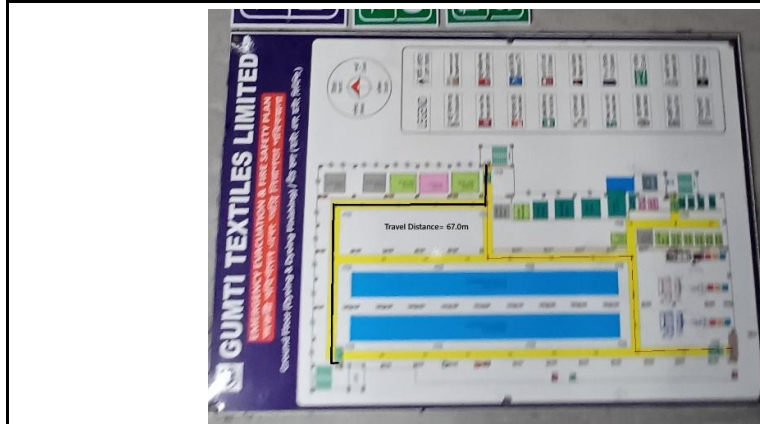
SI No.	Category	Findings	Required Action	Remediation Time Frame
F10	Means of Egress	The egress court serving south-west exit is not open to the sky or provided with a fire resistance rated enclosure the same as the exit enclosure as there are non-rated openings from adjacent buildings exterior (Building-A, E, Shed-C and Utility Building) which is not in accordance with section 6.17.2 or 6.17.3 of RSC Technical Guidelines (Standard) ¹ V1.0.	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.	Within 3 Months



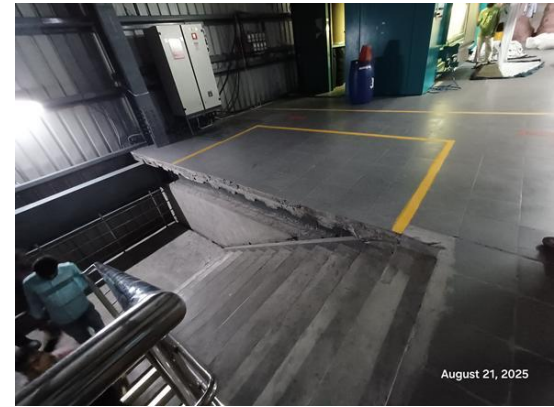
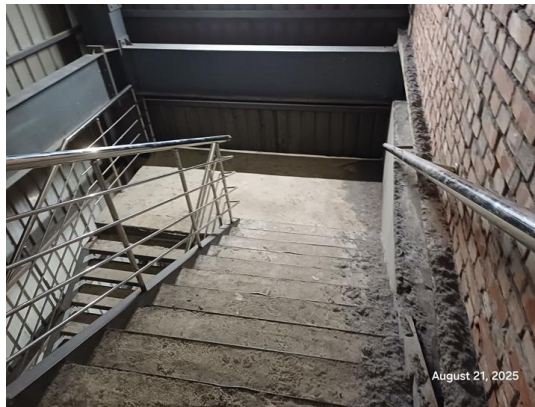
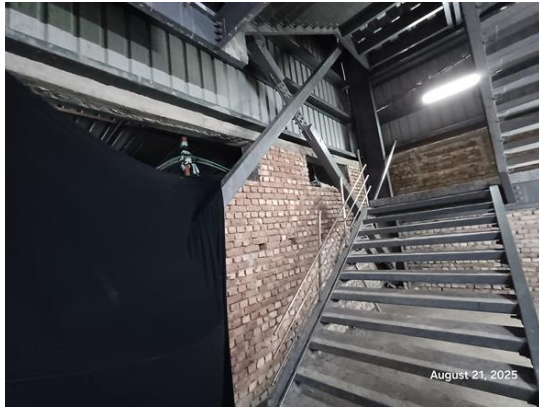
SI No.	Category	Findings	Required Action	Remediation Time Frame
F11	Means of Egress	<p>Aisles were found missing on several locations throughout the building.</p> <p>Location: 1st Floor of Building-D, Ground floor of fabrics relaxation shed-2 and shed-3.</p>	<p>Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.</p>	<p>Within 1 Month</p>



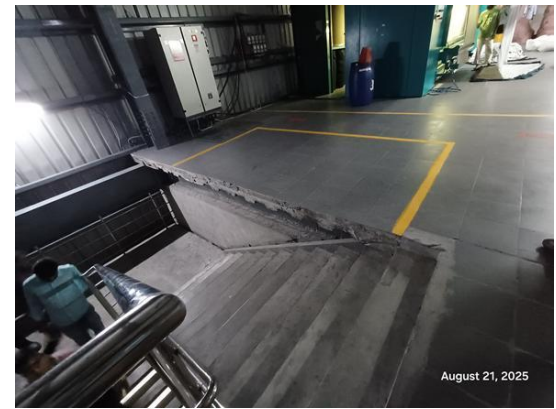
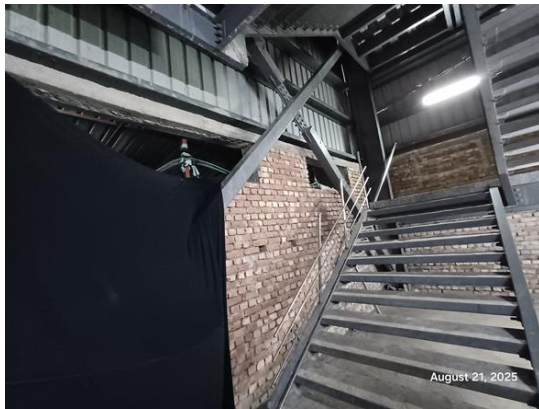
SI No.	Category	Findings	Required Action	Remediation Time Frame
F12	Means of Egress	<p>The maximum travel distance exceeds 60 m which does not meet the requirements of Section 6.13 of RSC Technical Guidelines (Standard).</p> <p>Location: Ground Floor and 1st floor of Building-D, Ground floor fabrics relaxation shed-2 and shed-3.</p> <p>Occupancy: G2 & H2.</p> <p>Available travel distance: 67.0m on ground floor.</p>	<p>Reconfigure the egress arrangement to meet 6.13 of RSC Technical Guidelines (Standard).</p> <p>Or,</p> <p>Provide additional exits so that the travel distance shall not exceed the maximum allowable limit.</p>	Within 3 Months



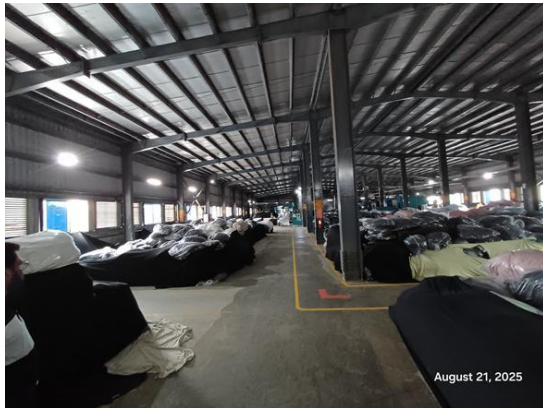
SI No.	Category	Findings	Required Action	Remediation Time Frame
F13	Means of Egress	<p>Stair clear width was found less than 60 in.</p> <p>Location: South-east Stair-1, Mid-east Stair -2 and North west stair-3.</p> <p>Available Stair Width: 4'-7", 4'-9" and 4'-8".</p>	<p>Stairs shall have a minimum clear width of 60 in. in for all industrial occupancies as per RSC Technical Guideline (Standard) section of 6.5.6.</p>	<p>Within 3 Months</p>



SI No.	Category	Findings	Required Action	Remediation Time Frame
F14	Means of Egress	<p>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.</p> <p>Location: South-east Stair-1 and North west stair-3.</p>	<p>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.).</p> <p>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.</p>	Within 3 Months



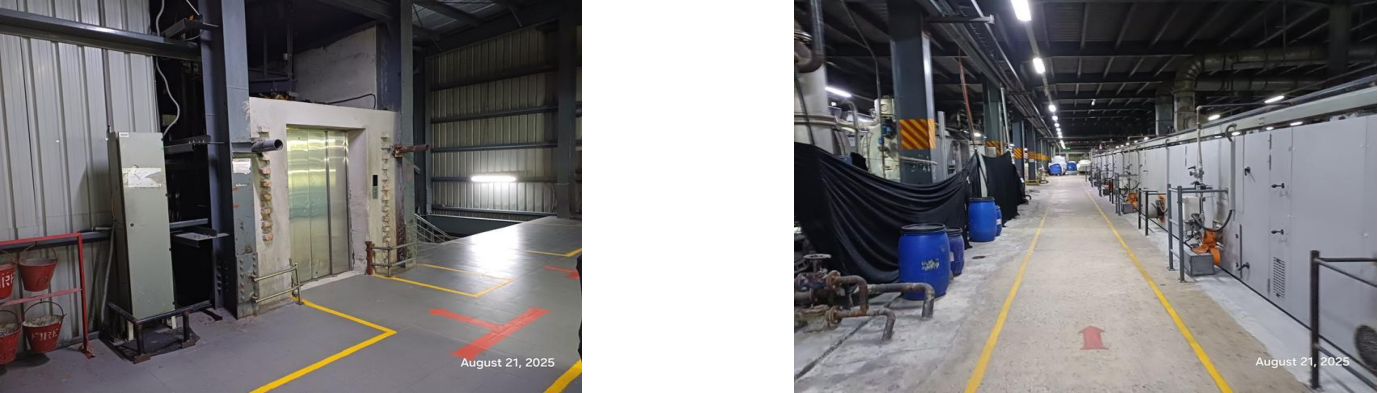
SI No.	Category	Findings	Required Action	Remediation Time Frame
F15	Fire Alarm & Detection System (FADS)	1. Building-D: Production Building (2 storied steel building), 2. Single storied Shed-2; 3. Single Storied Shed-3; 4. Single storied toilet zone; 5. Single storied Compressor Room; 6. Single storied SDB Room are not provided with centralized addressable listed fire alarm and detection system.	Submit the proposed fire alarm system design to RSC for review. Once the design is reviewed, install/modify the fire detection and alarm system throughout the building in accordance with review comment, RSC/ 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 Months and modification/ installation with 4 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F16	Inspection, Testing & Maintenance (Fire detection system)	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)
F17	Inspection, Testing & Maintenance (Portable 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 on- site, in accordance with NFPA 10 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 Month

SI No.	Category	Findings	Required Action	Remediation Time Frame
F18	Means of Egress (Egress Lighting)	<p>Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.</p> <p>Location: Both floors of Building-D; Fabric relaxation Shed-2; Fabric Relaxation Shed-3; Toilet Rooms; Compressor Room; & SDB Room.</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



SI No.	Category	Findings	Required Action	Remediation Time Frame
F19	Means of Egress (Exit Sign, Stair sign & occupant load sign)	<p>Exit signs are missing in few places. Directional signs are not provided where direction of the path of travel to an exit has changed.</p> <p>Location: Both floors of Building-D; Fabric relaxation Shed-2; Fabric Relaxation Shed-3; Toilet Rooms; Compressor Room; & SDB Room.</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.	Within 1 Month
				
F20	Egress Lighting ITM	Inspection, testing, and maintenance for the emergency lighting system were not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the emergency lighting system in the accordance with The RSC Technical Guidelines (Standard) and keep written records on-site.	Within 1 month

SI No.	Category	Findings	Required Action	Remediation Time Frame
F21	Means of Egress (Evacuation plan)	Fire evacuation maps are not updated as per site condition on both floor of Building-D. Fire evacuation map is not provided in Fabric relaxation Shed-2; Fabric Relaxation Shed-3; Toilet Rooms; Compressor Room; & SDB Room.	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



SI No.	Category	Findings	Required Action	Remediation Time Frame
F22	Fire Rated Construction	<p>Compressor room is not properly separated by fire rated construction with production occupancies.</p> <p>Location: Compressor Room adjacent to Building-D.</p>	<p>Compressors 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



SI No.	Category	Findings	Required Action	Remediation Time Frame
F23	Means of Egress	<p>Building does not have occupant load signs at required locations on all floors.</p> <p>Location: Ground floor of Building-D, Fabric relaxation Shed-2; Fabric Relaxation Shed-3; Toilet Rooms; Compressor Room; & SDB Room.</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>



Table-2: 7. Single storied Mini boiler shed; 8. Single Storied CNG/ RCU; 9. Single storied LPG Storage and Vaporizer Room; 10. Jhute Boiler Shed and 11. Chemical Shed

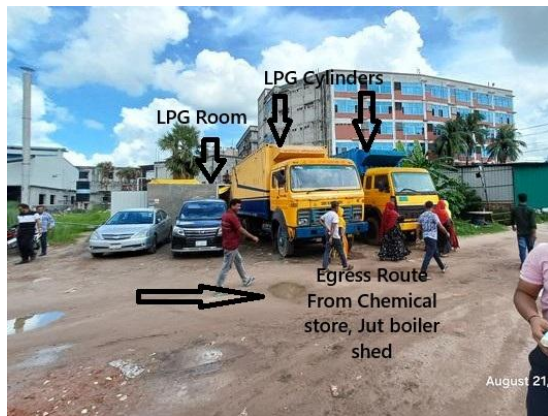
SI No.	Category	Findings	Required Action	Remediation Time Frame
F24	Fire Rated Construction	<p>The required fire separation distance for chemical shed does not comply with the requirements of BNBC 2020.</p> <p>Location: Chemical Shed (G).</p>	<p>The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2020 Part 3 Table 3.2.2 & 3.2.3 and BNBC 2020 Part 3 Section 2.4.1.3.</p>	<p>Within 6 Months</p>



SI No.	Category	Findings	Required Action	Remediation Time Frame
F25	Fire Rated Construction	Boiler located at mini boiler room is not properly separated by fire rated construction with other production occupancies located at Building-B due to unprotected opening and non-rated roof ceiling.	<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



SI No.	Category	Findings	Required Action	Remediation Time Frame
F26	Fire Rated Construction	Liquefied or compressed gas cylinders were located within the factory premises on ground floor with vaporizer room and RCU and egress route from chemical shed and Jhut boiler Shed without adequate fire separation.	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.	Within 3 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F27	Fire Alarm & Detection System (FADS)	7. Single storied Mini boiler shed; 8. Single Storied CNG/ RCU; 9. Single storied LPG Storage and Vaporizer Room; 10. Jhute Boiler Shed and 11. Chemical Shed are not provided with centralized addressable listed fire alarm and detection system.	Submit the proposed fire alarm system design to RSC for review. Once the design is reviewed, install/modify the fire detection and alarm system throughout the building in accordance with review comment, RSC/ 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 Months and modification/ installation with 4 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F28	Fire Alarm & Detection system (ITM of FADS)	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and The RSC Technical Guidelines (Standard). Location: Mini boiler shed; CNG/ RCU Room; LPG Storage and Vaporizer Room; Jhute Boiler Shed and Chemical Shed.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72 and The RSC Technical Guidelines (Standard) and keep written records on-site.	Within 1 Month (after installation)
F29	Means of Egress	Aisles are found missing on ground floor of Chemical store shed, Jhute boiler Shed, Vaporizer Room.	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 1 Month



SI No.	Category	Findings	Required Action	Remediation Time Frame
F30	Means of Egress	<p>A single means of exit has been provided on new construction.</p> <p>Location: Ground Floor of Chemical Shed</p> <p>Occupant Load: 5.</p> <p>Travel distance: Approx 20.0m.</p>	<p>Provide additional exit and ensure that the exit doors or means of egress openings are located a distance apart as per RSC Technical Guideline (Standard) section of 6.6.6 and BNBC 2020 Part IV Chapter 3 Table 4.3.8. (Maximum travel distance is 15.0m for occupancy J).</p>	Within 3 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F31	Means of Egress	Sliding type doors have provided along means of egress (building exits). Location: Ground floor of Chemical Store Shed and Jhute Boiler Shed.	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. All doors in a means of egress shall be of the side-hinged swinging type. 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.	Within 1 Month



SI No.	Category	Findings	Required Action	Remediation Time Frame
F32	Means of Egress	<p>Changes in level was found 24 in. approximately where RSC Technical Guidelines (Standard)¹ V1.0 Section 6.9 or 6.10 doesn't meet.</p> <p>Location: Ground Floor of Jhut Shed.</p>	<p>Changes in level exceeding 535 mm (21 in.) in elevation shall meet the requirements for stairs in 6.9 or ramps in 6.10. The change in level shall be readily apparent and if not, marked with additional signage or floor markings.</p>	Within 3 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F33	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: Mini boiler shed; CNG/ RCU Room; LPG Storage and Vaporizer Room; Jhute Boiler Shed and Chemical Shed.</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



SI No.	Category	Findings	Required Action	Remediation Time Frame
F34	Means of Egress	<p>Directional signs are not provided where direction of the path of travel to an exit has changed. Exit signages are not illuminated during testing (burned out, broken, etc.).</p> <p>Location: Jhute Boiler Shed and Chemical Shed.</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



SI No.	Category	Findings	Required Action	Remediation Time Frame
F35	Inspection, Testing & Maintenance (Emergency lighting system)	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
F36	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

SI No.	Category	Findings	Required Action	Remediation Time Frame
F37	Means of Egress (Guard rails or parapet wall)	No guard rail provided for ramp and other falling hazard on ground floor. Location: Jhute Boiler Shed and Chemical Shed.	Guards shall be provided at all open sides of means of egress that exceed 760 mm (30 in.) above the floor or finished ground below. Guards shall have a minimum height of 1067 mm (42 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.). Guard shall construct in accordance with RSC Technical Guidelines (Standard) ¹ V1.0 Section 6.12.	Within 3 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F38	Means of Egress (Evacuation Plan)	<p>Fire evacuation maps is not posted at the entrance of all exits.</p> <p>Location: Mini boiler shed; CNG/ RCU Room; LPG Storage and Vaporizer Room; Jhute Boiler Shed and Chemical Shed.</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>



SI No.	Category	Findings	Required Action	Remediation Time Frame
F39	Means of Egress	<p>Building does not have occupant load signs as per standard at required locations on all floors.</p> <p>Location: Mini boiler shed; CNG/ RCU Room; LPG Storage and Vaporizer Room; Jhute Boiler Shed and Chemical Shed.</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>



SI No.	Category	Findings	Required Action	Remediation Time Frame
F40	Means of Egress	<p>Building does not have stair/floor level designation signs at required locations on all floors.</p> <p>Location: Mini boiler shed; CNG/ RCU Room; LPG Storage and Vaporizer Room; Jhute Boiler Shed and Chemical Shed.</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>	<p>Within 1 Month</p>



SI No.	Category	Findings	Required Action	Remediation Time Frame
F41	Licenses and certificates	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
F42	No smoking signs	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