

INITIAL FIRE SAFETY INSPECTION REPORT

Graphics Textiles Ltd. (Extension-2)

RSC ID: 26357

Sreerampur, Kalampur, Dhamrai, Dhaka.

Co-ordinate: 23.918865761435, 90.12480441852

Other Factories: Graphics Textiles Ltd. [ID-9192] and Graphics Textiles Ltd (Extension) [24234].



Inspected By: Mohammad Anayet Hossain, Md. Rakibul Islam & Protik Kumar Das

Date: 01 July, 2025

Fire Safety Inspection Report

Graphics Textiles Ltd. (Extension-2)

Introduction:

Graphics Textiles Ltd. (Extension-2) complex was surveyed for fire safety on **01-Jul-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): The factory premises has several constructed & occupied structures which are covered on 3 (three) different RSC ID's. There are 28 structures in the factory premises. Among them; 4 numbers of structures were covered under Graphics Textiles Ltd. [RSC ID-9192] named Production Building, Dyeing Shed, Packing Shed and Bio Chemical ETP. 5 numbers of structures were covered under Graphics Textiles Ltd (Extension) [24234] named Building-02: Dining Building, Building-03: Admin Building, Chemical Shed, Jhute Boiler Shed and Gate House & RMS Room. On RSC ID: 26357 (Graphics Textiles Ltd. (Extension-2)), 19 (Nineteen) structures have been covered. Building-4 REB Sub-station, Building-5 Utility Building, Building-6 Generator Building, Building-7 Biological E.T.P, Building-8 Printing Building, Building-9 Knitting Building, Building-10 New Dyeing Shed, Building-11 Fabric Store Shed A, Building-12 Fabric Store Shed B, Building-13 Gray Fabric Store Shed A, Building-14 Gray Fabric Store Shed B, Building-15 Gray Fabric Store Shed C, Building-16 Yarn Store Shed, Building-17 Yarn & Chemical Store Shed, Building-18 Cartoon Store & Workshop Shed, Building-19 Wastage Storage Shed, Building-20 Anser Barrack Shed, Building-21 Kitchen Shed, and Building-22 LPG Station Shed., are covered under this inspection. Description has given below:

SI No	Building Name & Description	Construction History	Period
1	Building-8: Printing Building (G+1) (Two Storied R.C.C & Roof Top Steel Structure Building) Total Approx Area: 47,000 Sft	Construction Start: September, 2023 Construction End: July, 2024 Date of first Operation: July, 2024 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 Oct 2024 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New

SI No	Building Name & Description	Construction History	Period
2	Building-9: Knitting Shed (G+M) (Single Storied Steel Structure Building with Mezzanine floor) Total Approx Area: 44,500 sft	Construction Start: September, 2021 Construction End: October, 2022 Date of first Operation: November, 2022 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
3	Building-10: New Dyeing Shed (G+M) (Single Storied Steel Structure Building with Mezzanine floor) Total Approx Area: 23,000 sft	Construction Start: February, 2022 Construction End: June, 2023 Date of first Operation: July, 2023 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
4	Building-4: REB Substation Building (G) (Single storied R.C.C Building) Total Approx Area: 3,000 sft	Construction Start: February, 2018 Construction End: February, 2020 Date of first Operation: March, 2020 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	Interim
SI No	Building Name & Description	Construction History	Period

5	Building-5: Utility Building (G) (Single storied R.C.C Building) Total Approx Area: 2,000 sft	Construction Start: May, 2021 Construction End: June, 2022 Date of first Operation: July, 2022 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
6	Building-6: Generator Building (G) (Single storied R.C.C Building) Total Approx Area: 3,000 sft	Construction Start: September, 2021 Construction End: December, 2022 Date of first Operation: December, 2022 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
7	Building-7: Biological E.T.P (G) (Single storied R.C.C Building) Total Approx Area: 10,000 sft	Construction Start: February, 2022 Construction End: December, 2023 Date of first Operation: December, 2023 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
SI No	Building Name & Description	Construction History	Period

8	Building-11: Fabric Store Shed A (G) (Single Storied Steel Shed) Total Approx Area: 15,000 sft	Construction Start: March, 2022 Construction End: December, 2022 Date of first Operation: December, 2022 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
9	Building-12: Fabric Store Shed B (G) (Single Storied Steel Shed) Total Approx Area: 7,200 sft	Construction Start: April, 2022 Construction End: November, 2022 Date of first Operation: December, 2022 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
10	Building-13:Gray Fabric Store Shed A (G) (Single Storied Steel Shed) Total Approx Area: 15,000 sft	Construction Start: April, 2022 Construction End: December, 2022 Date of first Operation: January, 2023 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
SI No	Building Name & Description	Construction History	Period

11	Building-14: Gray Fabric Store Shed B (G) (Single Storied Steel Shed) Total Approx Area: 3,200 sft	Construction Start: February, 2023 Construction End: June, 2023 Date of first Operation: July, 2023 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
12	Building-15: Gray Fabric Store Shed C (G) (Single Storied Steel Shed) Total Approx Area: 11,700 sft	Construction Start: April, 2023 Construction End: August, 2023 Date of first Operation: August, 2023 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
13	Building-16: Yarn Store Shed (G) (Single Storied Steel Shed) Total Approx Area: 21,000 sft	Construction Start: January, 2024 Construction End: June, 2024 Date of first Operation: July, 2024 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
Sl No	Building Name & Description	Construction History	Period

14	Building-17: Yarn & Chemical Store Shed (G) (Single Storied Steel Shed) Total Approx Area: 20,000 sft	Construction Start: March, 2024 Construction End: September, 2024 Date of first Operation: September, 2024 Building Approval: Dhamrai Upazilla Parishad (Local Authority) dated 21 June 2022 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
15	Building-18: Cartoon Store & Workshop Shed (G) (Single Storied Steel Shed) Total Approx Area: 13,500 sft	Construction Start: April, 2024 Construction End: July, 2024 Date of first Operation: July, 2024 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
16	Building-19: Wastage Store Shed (G) (Single Storied Steel Shed) Total Approx Area: 4,600 sft	Construction Start: June, 2024 Construction End: October, 2024 Date of first Operation: October, 2024 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
SI No	Building Name & Description	Construction History	Period

17	Building-20: Ansar Barrack Shed (G) (Single Storied Steel Shed) Total Approx Area: 1,528 sft	Construction Start: February, 2024 Construction End: June, 2024 Date of first Operation: June, 2024 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
18	Building-21: Kitchen Shed (G) (Single Storied Steel Shed) Total Approx Area: 1,450 sft	Construction Start: April, 2024 Construction End: December, 2024 Date of first Operation: December, 2024 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New
19	Building-22: LPG Station Shed (G) (Single Storied Shed & Under ground tank) Total Approx Area: 20,000 sft	Construction Start: September, 2022 Construction End: April, 2023 Date of first Operation: April, 2023 As-built Machine Layout: Department of Inspection for Factories & Establishments (DIFE).dated 12 March 2025	New

Factory Address: Sreerampur, Kalampur, Dhamrai, Dhaka.

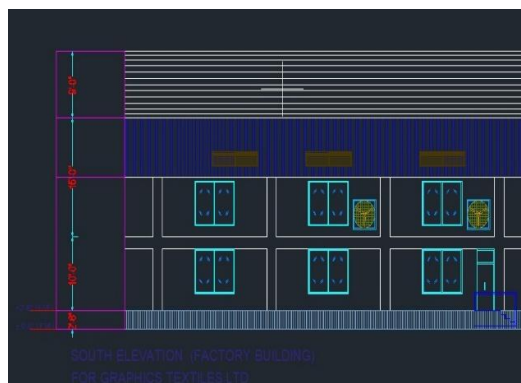
Findings & Recommendations :

Table 1, 2, 3, 4, 5, 6, 7, 8 & 9 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.

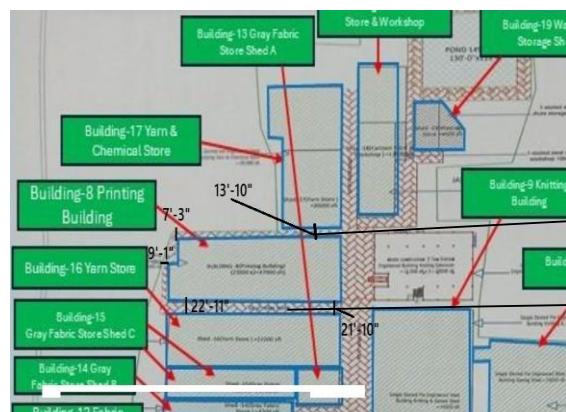
Table	Fire CAP Numbers	Name of Structure
1	F 01 - F 21	Building-8: Printing Building (G+1) (Two Storied R.C.C & Roof Top Steel Structure Building)
2	F 22 - F 42	Building-9: Knitting Shed (G+M) (Single Storied Steel Structure Building with Mezzanine floor)
3	F 43 - F 63	Building-10: New Dyeing Shed (G+M) (Single Storied Steel Structure Building with Mezzanine floor)
4	F 64 - F 75	Building-11: Fabric Store Shed-A (Single Storied Steel Shed)
5	F 76 - F 86	Building-12, 13, 14, 15 & 16: Fabric Store Shed B+Grey Fabric (A+B+C), Yarn Store (Single Storied Steel Shed)
6	F 87 - F 99	Building-17: Yarn & Chemical Store (Single Storied Steel Shed)
7	F 100 - F 109	Building-18: Cartoon Store & Workshop (Single Storied Steel Shed)
8	F 110 - F 118	Building-19: Wastage Store Shed (Single Storied Steel Shed)
9	F 119 - F 130	Others (Building 4,5,6,7,20,21,22)

Table-1: Building-8: Printing Building (G+1)

Sly No.	Category	Findings	Required Action	Remediation Time Frame
F1	Fire Rated Construction (Passive Fire Protection of Steel Structure)	The main structural element of the new building (on 1st floor) is constructed by steel which is non-rated and were found in exposed condition without any fire protection. Location: 1st floor of Building-8: Printing Building (G+1) Height of Building Peak: 11.12m	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. Submit the design philosophy along with the required documents to RSC for review the required construction type. Once the design philosophy is reviewed, provide fire ratings of structural members.	Within 6 Months



Sly No.	Category	Findings	Required Action	Remediation Time Frame
F2	Fire Rated Construction	The required fire separation distance for Building-8: Printing Building does not comply with the requirements of BNBC 2020. Location: Building-8: Printing Building.	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2020 Part 3 Section 2.4.1.3. Table 3.2.2 & 3.2.3 and BNBC 2020 Part 3 Table 3.3.1 (a)	Within 6 Months



Sly No.	Category	Findings	Required Action	Remediation Time Frame
F3	Means of Egress (Exit stair openings)	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction. Location: North-west and north-east Staircase of Building-8: Printing Building. Non-compliance reason: (i) Unprotected penetration on top slab. (ii) Unavailability of datasheet and certificate of all parts of fire door and (iii) The fire doors at the exit stair enclosures are not interfaced with the fire alarm & detection system.	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer 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 in accordance with section 6.3.1.2 of RSC Technical Guidelines (Standard)¹ V1.0. 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. 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).	Within 3 Months
 				

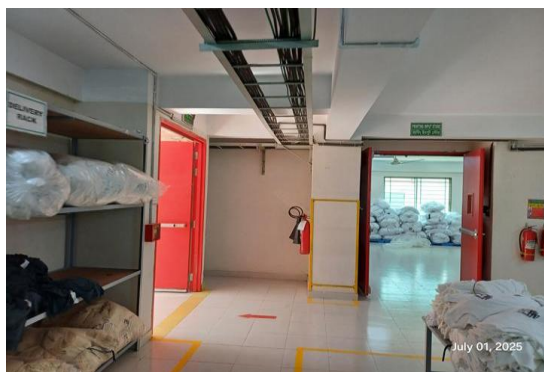
Sly No.	Category	Findings	Required Action	Remediation Time Frame
F4	Means of Egress (Exit stair openings)	The exterior exit stair is not separated from the building interior. Location: Mid-South Stair of Building-8: Printing Building. Non-compliance reason: (i) Unprotected Opening within 10ft from exterior stair. (ii) Non-rated construction in partition of exterior staircase and (iii) The fire doors at the exit stair enclosures are not interfaced with the fire alarm & detection system.	Nonrated walls or unprotected openings enclose the exterior of the stairway and the walls or openings are exposed by other parts of the building at an angle of less than 180 degrees (3.14 rad), the building exterior walls within 3050 mm (10 ft) horizontally of a nonrated wall or unprotected opening shall have a fire-resistance rating of not less than 1 hr. in accordance with section 6.3.1.3 of RSC Technical Guidelines (Standard)¹ V1.0. 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



Sly No.	Category	Findings	Required Action	Remediation Time Frame
F5	Fire Rated Construction	Storage areas discharges directly into the north-east exit stair enclosure. Location: Storage area adjacent to North-east staircase on ground floor of Building-8: Printing Building.	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 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



Sly No.	Category	Findings	Required Action	Remediation Time Frame
F6	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy. Location: Ground floor of Building-8: Printing Building. Non-compliance reason: (i) Unprotected penetration/opening on rated wall. (ii) Unavailability of datasheet and certificate of all parts of fire door and (iii) The fire doors at the store are not interfaced with the fire alarm & detection system.	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). Seal all penetrations and openings in fire rated assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain minimum 1-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)	Within 3 Months



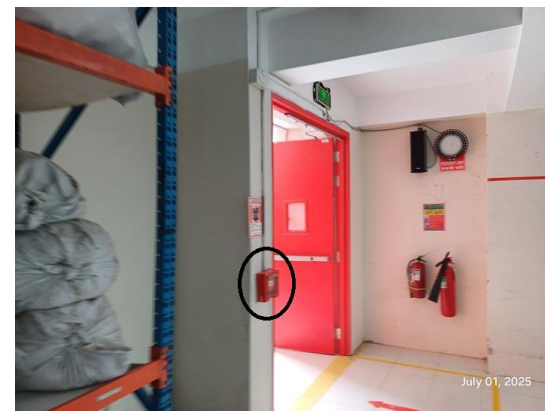
Sly No.	Category	Findings	Required Action	Remediation Time Frame
F7	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Screening store on 1st floor of Building-8: Printing Building.	Provide defined storage areas and limit 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



Sly No.	Category	Findings	Required Action	Remediation Time Frame
F8	Fire Pump Room, generator, transformer and other hazardous area fire rated separation	Chemical storage area is not separated by fire-rated construction having non rated door and unsealed penetrations and openings. Location: sub-chemical store on 1st floor of Building-8: Printing Building.	Provide a 4-hour fire-rated construction barrier to separate the chemical store from the surrounding production/ combustible storage areas. The 4-hour fire-resistive separation shall have no openings/ no unprotected openings therein and shall provide a fire resistance for at least four hour. Chemical stores shall comply with BNBC 2006, Part 3, Section 2.13. / BNBC 2020, Part 3 Section 2.14 or, Ensure exempt amounts of chemical are located on chemical stores with other occupancy as per Table 3.2.7 (BNBC 2006). Provide a 1-hour fire-rated construction barrier to separate the sub-chemical store from the surrounding production/ combustible storage areas.	Within 3 Months



Sly No.	Category	Findings	Required Action	Remediation Time Frame
F9	Fire Alarm & Detection system	The factory has installed a fire alarm and detection system that requires a detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard). Location: Building-8: Printing Building.	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 Months and modification/ installation with 4 Months



Sly No.	Category	Findings	Required Action	Remediation Time Frame
F10	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: Building-8: Printing Building.	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)
F11	Means of Egress	Aisles are found missing on several locations throughout the Whisker Shed. Location: ground floor of Building-8: Printing Building.	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 1 Month
 				

Sly No.	Category	Findings	Required Action	Remediation Time Frame
F12	Fire Suppression System (SUPS)	Portable fire extinguishers are not installed throughout all facilities. Location: Near Distribution Board of Building-8: Printing Building.	Portable fire extinguishers shall be installed throughout the facilities in accordance with BNBC 2006 and NFPA 10. Extinguishers shall be placed so that maximum travel distance to the nearest unit shall not exceed 30 m (100 ft).	Within 3 Months
				

Sly No.	Category	Findings	Required Action	Remediation Time Frame
F13	Means of Egress (Exit Adequacy)	Mid-south exterior stair clear width was found less than 60 in. Location: Exterior Stair of Building-8: Printing Building. Available Stair Width: 4'-0"	Stairs shall have a minimum clear width of 60 in. for all industrial occupancies as per RSC Technical Guideline (Standard) section of 6.5.6	Within 3 Months
				
F14	Means of Egress (Exit Adequacy)	Doors are swing out over stairs. Location: On 1st floor in mid-south exterior stairs and few exits on ground floor of Building-8: Printing Building.	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.	Within 3 Months

Sly No.	Category	Findings	Required Action	Remediation Time Frame
		 		
F15	Means of Egress	Handrails are not provided on both sides of each exit stairs on ground floor extending up to road level. Having stair width exceeding 2.2m is not provided with intermediate handrail. Location: Ground floor of Building-8: Printing 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 2 Months

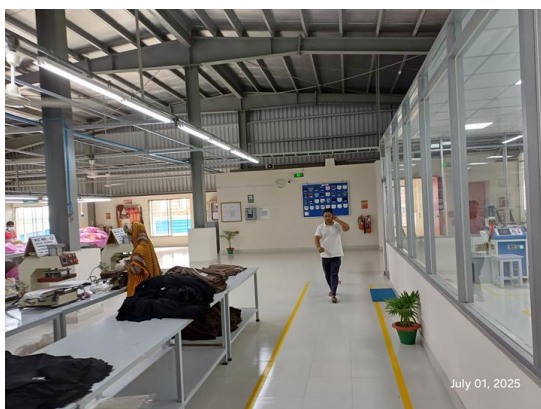
Sly No.	Category	Findings	Required Action	Remediation Time Frame
				
				
				

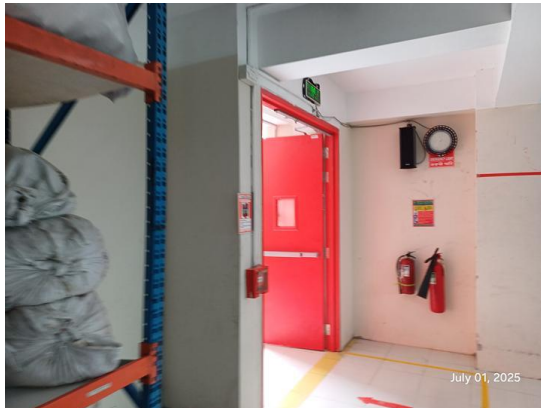
Sly No.	Category	Findings	Required Action	Remediation Time Frame
F16	Means of Egress	Height of handrails located at both north-east stair-1 and north-west stair-2 are found less than 865 mm (34 in.). Location: Both the internal staircases located at Building-8: Printing Building.	New handrails shall 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. 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 2 Months
 				

Sly No.	Category	Findings	Required Action	Remediation Time Frame
F17	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: 1st floor of Building-8: Printing 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



Sly No.	Category	Findings	Required Action	Remediation Time Frame
F18	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: Both floors of Building-8: Printing 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



Sly No.	Category	Findings	Required Action	Remediation Time Frame
F19	Means of Egress	Exit signage/directional signage not illuminated during testing (burned out, broken, etc.). Location: On ground floor of Building-8: Printing Building.	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.	Within 1 Month
 				
F20	Means of Egress	Building does not have stair/floor level designation signs at required locations on all floors. Location: Building-8: Printing Building.	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.	Within 1 Month

Sly No.	Category	Findings	Required Action	Remediation Time Frame
		 		
F21	Means of Egress	Building does not have occupant load signs at required locations on all floors. Location: All Exits in Building-8: Printing Building.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.4.4 .	Within 1 Month

Sly No.	Category	Findings	Required Action	Remediation Time Frame
				

Table-2: Building-9: Knitting Shed (G+M) (Single Storied Steel Structure Building with Mezzanine floor)

SI No.	Category	Findings	Required Action	Remediation Time Frame
F22	Fire Rated Construction	The required fire separation distance for Building-9: Knitting Shed does not comply with the requirements of BNBC 2020. Location: Building-9: Knitting Shed.	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2020 Part 3 Section 2.4.1.3. Table 3.2.2 & 3.2.3 and BNBC 2020 Part 3 Table 3.3.1 (a)	Within 6 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F23	Means of Egress	Electrical panels and Toilet were located in the north-west exit discharge and mid-south exit discharge respectively. Location: Building-9: Knitting Shed.	Remove and re-locate all Electrical panels/ Toilet from exit stair enclosures. Or, Provide fire separation with stair enclosure in accordance with section 6.3.1 of RSC Technical Guidelines (Standard)¹ V1.0.	Within 3 Months

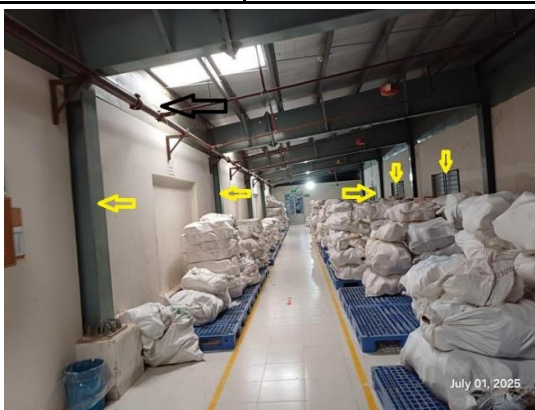


SI No.	Category	Findings	Required Action	Remediation Time Frame
F24	Means of Egress	Exit access corridor(s) serving more than 30 occupants is not separated by fire rated construction or protected by sprinkler system in accordance with NFPA 13 and section 6.3.1.1 of RSC Technical Guidelines (Standard)¹ V1.0. Location: North-west exit discharge, Mid-South exit discharge and Mid-north exit discharge of Building-9: Knitting Shed. Non-compliance Reason: Non-rated partition and unprotected opening in North-west exit discharge; Unprotected opening from toilet zone on mid-south exit discharge and open loading-unloading point in mid-north exit discharge.	1. Separate the exit access corridor by a minimum 1-hr fire rated construction . Or 2. Provide automatic sprinkler system throughout the storey as per NFPA 13.	Within 3 Months
 N-W Corridor July 01, 2025  Mid-south Corridor July 01, 2025  Loading-Unloading zone Mid-North Exit July 01, 2025				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F25	Means of Egress	The egress court [serving mid-south exit and mezzanine stair discharge] is less than 10 ft wide due to motor-bike parking and is not separated from the building interior/adjacent building exterior which is not in accordance with section 6.17.2 of RSC Technical Guidelines (Standard)¹ V1.0. Location: South Egress court in Building-9: Knitting Shed.	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. 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. Alternatively, remove motor-bike parking from egress court.	Within 3 Months

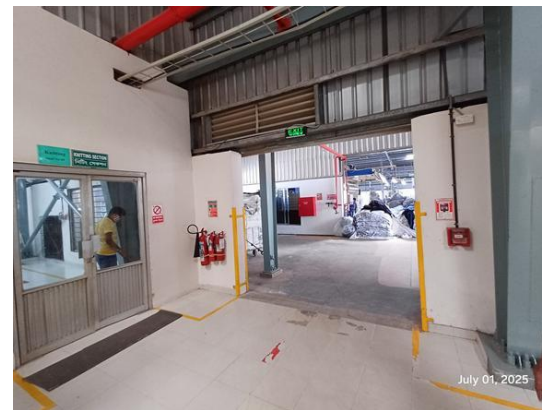
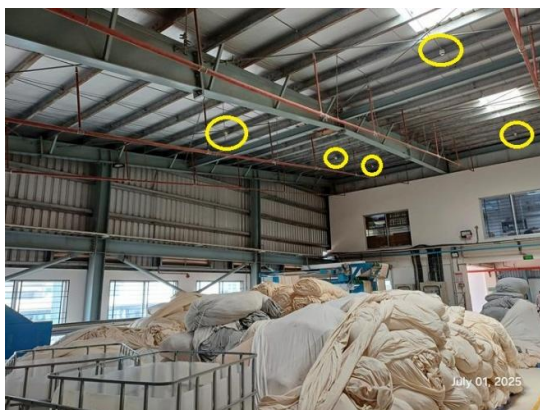


SI No.	Category	Findings	Required Action	Remediation Time Frame
F26	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy. Location: Mezznine floor finished goods store, ground floor store in Building-9: Knitting Shed. Non-compliance reason: (i) Fire rated construction is not provided, (ii)Unprotected penetration/opening on rated wall. (iii) unprotected steel structural element.	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). Seal all penetrations and openings in fire rated assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain minimum 1-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)	Within 3 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F27	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Ground floor of Building-9: Knitting Shed.	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
 				

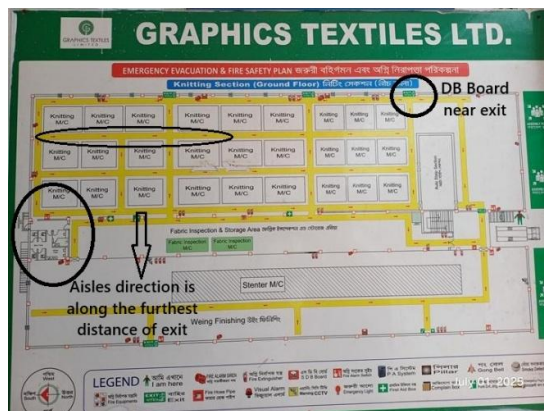
SI No.	Category	Findings	Required Action	Remediation Time Frame
F28	Fire Alarm & Detection system	The factory has installed a fire alarm and detection system that requires a detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard). Location: Building-9: Knitting Shed.	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 Months and modification/ installation with 4 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F29	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: Building-9: Knitting 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)
F30	Fire Suppression System (SUPS)	Based on the height of the building, sprinkler system is not mandatory. But the factory has installed sprinkler (about 70% area) and there is dependency for exemption of fire resistance rating to the exit access corridor(s) serving more than 30 occupants; the rating reduction of structural fire protection for occupancy separation; increase travel distance and accommodate greater area of in-process storage. So, sprinkler system is now required for the building and shall be installed as per NFPA-13. Location: Building-9: Knitting Shed, Building-11: Fabric Store Shed A, Building 12: Fabric Store Shed B, Building 13, 14, 15: Grey Fabric (A+B+C); Building 16: Yarn Store.	Submit the sprinkler system drawing to RSC for review. Once the design is reviewed, install and modify the sprinkler/standpipe system throughout the building in accordance with review comment, RSC Technical guideline (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. Or, provide design philosophy along with drawing to RSC declaring there is no dependency for exemption of fire resistance rating to the exit access corridor(s) serving more than 30 occupants; the rating reduction of structural fire protection for occupancy separation; increase travel distance and accommodate greater area of in-process storage.	Design within 2 month and modification/ installation with 4 months

SI No.	Category	Findings	Required Action	Remediation Time Frame
				
F31	Fire Suppression System (SUPS)	The travel distance between portable fire extinguishers were found to be more than 30 m (100 ft). Location: Stenter M/C Section in Knitting Shed Few Extinguisher are found obstructed by storage on mezzanine floor of Building-9: Knitting Shed.	Portable fire extinguishers shall be installed throughout the facilities in accordance with BNBC 2006 and NFPA 10. All extinguishers should be accessible. Extinguishers shall be placed so that maximum travel distance to the nearest unit shall not exceed 30 m (100 ft).	Within 3 Months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F32	Means of Egress	The maximum travel distance exceeds 45 m which does not meet the requirements of Section 6.13 of RSC Technical Guidelines (Standard). Location: Knitting Section on ground floor of Building-9: Knitting Shed. Available travel distance: 165 ft (50.29m)	Reconfigure the egress arrangement to meet 6.13 of RSC Technical Guidelines (Standard). Or, Provide additional exits so that the travel distance shall not exceed the maximum allowable limit. Or, Provide Sprinkler System or FADS along with standby system to meet the requirement of maximum travel distance.	Within 3 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F33	Means of Egress	Doors are swing out over stairs. Location: On ground floor of Building-9: Knitting Shed.	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.	Within 3 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F34	Means of Egress	Handrails are not provided on both sides of each exit stairs and ramps on ground floor extending upto road level. Having stair width exceeding 2.2m is not provided with intermediate handrail. Location: Ground floor of Building-9: Knitting Shed.	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 2 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F35	Means of Egress	No guard rail provided for mid-north loading-unloading zone near ramp on ground floor. Location: Building-9: Knitting 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
F36	Means of Egress	In-ward swinging type doors serving more than 50 occupants has provided along means of egress [Mid-south exit on ground floor]. Location: Ground floor of Building-9: Knitting 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
F37	Means of Egress	Changes in level in North-west and mid-north ramp was found 38 in. and 39 in. respectively, where RSC Technical Guidelines (Standard)¹ V1.0 Section 6.9 or 6.10 doesn't meet. Location: North-west and mid-north ramp in Building-9: Knitting Shed.	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.	Within 3 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F38	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building-9: Knitting Shed.	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



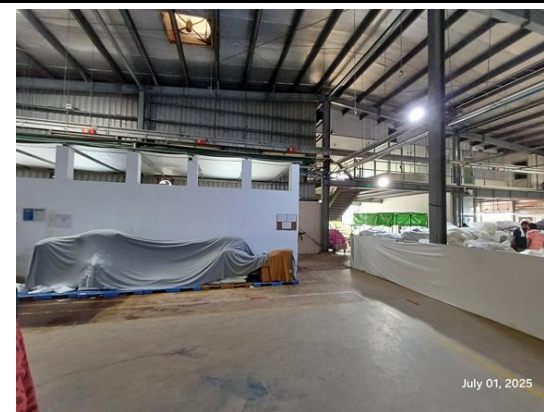
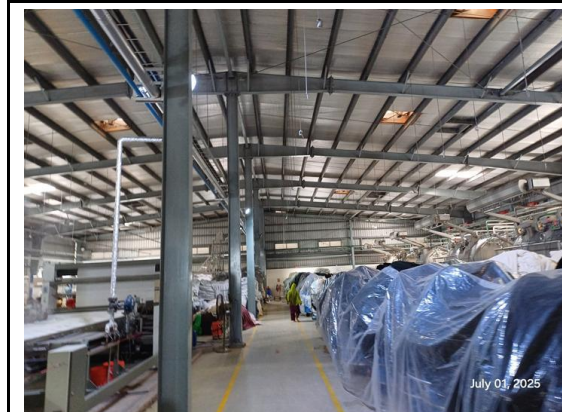
SI No.	Category	Findings	Required Action	Remediation Time Frame
F39	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: Building-9: Knitting Shed.	Illuminated directional signs shall be provided where there is a change in the direction 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
F40	Means of Egress	Exit signage/directional signage not illuminated during testing (burned out, broken, etc.). Location: Building-9: Knitting Shed.	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.	Within 1 Month
F41	Means of Egress	Fire evacuation maps are not updated as per site condition. Location: Building-9: Knitting Shed.	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
F42	Means of Egress	Building does not have occupant load signs at required locations on all floors. Location: All Exits in Building-9: Knitting Shed.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard) ¹ V1.0 Section 6.4.4 .	Within 1 Month

Table-3: Building-10: New Dyeing Shed (G+M) (Single Storied Steel Structure Building with Mezzanine floor)

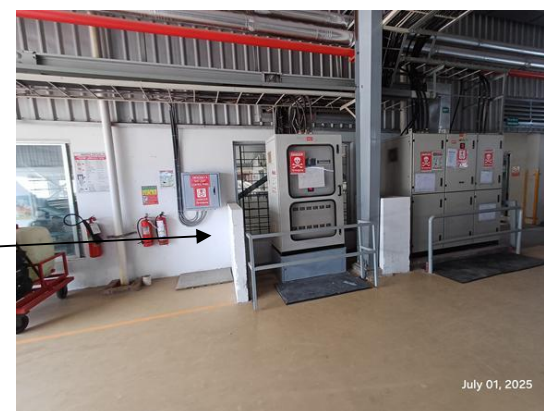
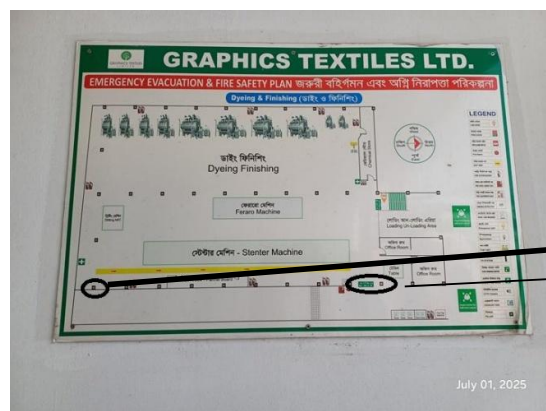
SI No.	Category	Findings	Required Action	Remediation Time Frame
F43	Fire Rated Construction	The required fire separation distance for Building-10: New Dyeing Shed does not comply with the requirements of BNBC 2020. Location: Building-10: New Dyeing Shed.	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2020 Part 3 Section 2.4.1.3. Table 3.2.2 & 3.2.3 and BNBC 2020 Part 3 Table 3.3.1 (a)	Within 6 Months



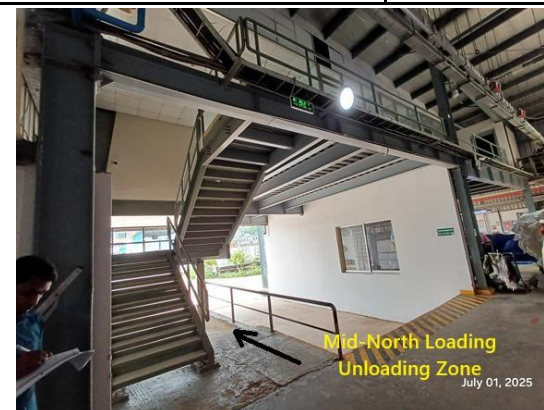
SI No.	Category	Findings	Required Action	Remediation Time Frame
F44	Fire Rated Construction (Passive Fire Protection of Steel Structure)	The main structural element of the new building is constructed by steel which is non-rated and were found in exposed condition without any fire protection. Location: Building-10: New Dyeing Shed. Height of Building Peak: 9.02m; Height of Building Eave: 7.39m.	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 required fire rating. Submit the design philosophy along with the required documents to RSC for review the required construction type. Once the design philosophy is reviewed, provide fire ratings of structural members.	Within 6 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F45	Means of Egress	Electrical panels and in-process storage were located in the north-east exit discharge and N-E & S-E exit discharge respectively. Location: Building-10: New Dyeing Shed.	Remove and re-locate all Electrical panels/ In-process storage from exit discharge. Or, Provide fire separation to exit passageway in accordance with section 6.15 of RSC Technical Guidelines (Standard)¹ V1.0.	Within 3 Months

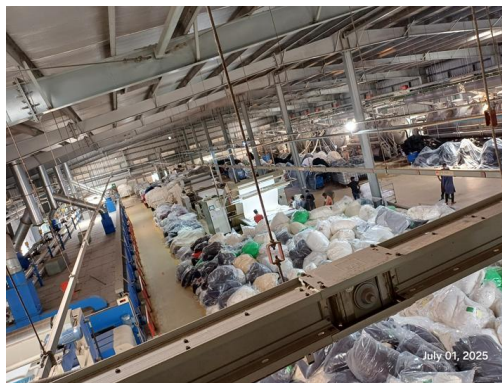


SI No.	Category	Findings	Required Action	Remediation Time Frame
F46	Means of Egress	Exit access corridor(s) serving more than 30 occupants is not separated by fire rated construction or protected by sprinkler system in accordance with NFPA 13 and section 6.3.1.1 of RSC Technical Guidelines (Standard)¹ V1.0. Location: North-east exit discharge, South-east exit discharge and Mid-north exit discharge of Building-10: New Dyeing Shed. Non-compliance Reason: Non-rated partition and unprotected opening in North-east exit discharge; Unprotected opening from toilet zone on south-west exit discharge and open loading-unloading point in mid-north exit discharge.	1. Separate the exit access corridor by a minimum 1-hr fire rated construction . Or 2. Provide automatic sprinkler system throughout the storey as per NFPA 13.	Within 3 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F47	Means of Egress	The egress court serving south-west exit is less than 10 ft wide is not separated from the building interior due to unprotected opening which is not in accordance with section 6.17.2 of RSC Technical Guidelines (Standard)¹ V1.0. Location: South Egress court in Building-10: New Dyeing Shed.	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. 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.	Within 3 Months
 				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F48	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Ground floor of Building-10: New Dyeing Shed.	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



SI No.	Category	Findings	Required Action	Remediation Time Frame
F49	Fire Alarm & Detection system	The factory has installed a fire alarm and detection system that requires a detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard). Location: Building-10: New Dyeing Shed.	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 Months and modification/ installation with 4 Months

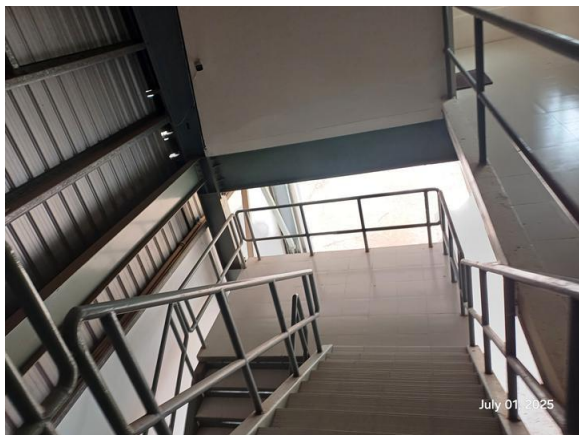


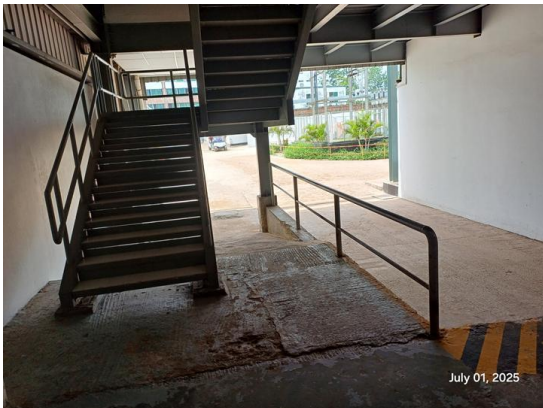
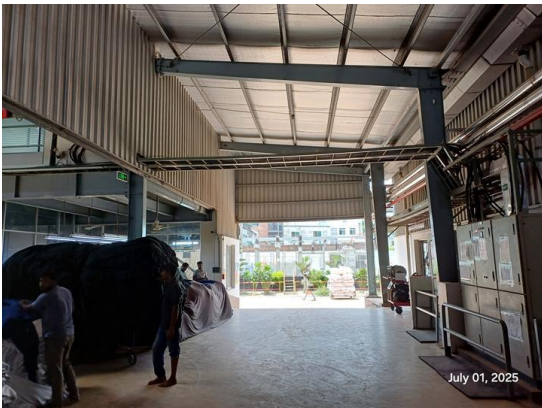
SI No.	Category	Findings	Required Action	Remediation Time Frame
F50	Fire Alarm & Detection system (ITM of FADS)	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and The RSC Technical Guidelines (Standard). Location: Building-10: New Dyeing Shed.	Inspect, 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)
F51	Fire Rated Construction	Chemical storage area is not separated by fire-rated construction having non rated door and unsealed penetrations and openings. Location: Building-10: New Dyeing Shed.	Provide a 4-hour fire-rated construction barrier to separate the chemical store from the surrounding production. The 4-hour fire-resistive separation shall have no openings/ no unprotected openings therein and shall provide a fire resistance for at least four hour. Chemical stores shall comply with BNBC 2020, Part 3 Section 2.14 Or, Ensure exempt amounts of chemical are located on chemical stores with other occupancy as per Table 3.2.5 (a) and 3.2.5 (b) (BNBC 2020) and Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 Months

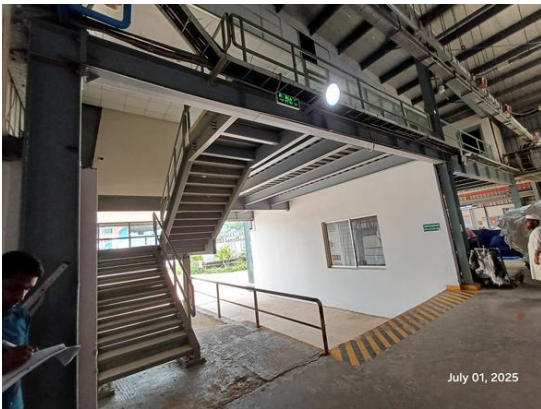
SI No.	Category	Findings	Required Action	Remediation Time Frame
		  		
F52	Fire Suppression System (SUPS)	The travel distance between portable fire extinguishers were found to be more than 30 m (100 ft). Location: Building-10: New Dyeing Shed.	Portable fire extinguishers shall be installed throughout the facilities in accordance with BNBC 2020 and NFPA 10. All extinguishers should be accessible. Extinguishers shall be placed so that maximum travel distance to the nearest unit shall not exceed 30 m (100 ft).	Within 3 Months

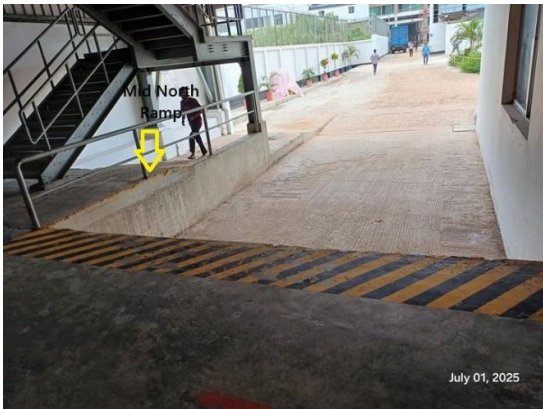
SI No.	Category	Findings	Required Action	Remediation Time Frame
				
F53	Means of Egress	The maximum travel distance exceeds 45 m which does not meet the requirements of Section 6.13 of RSC Technical Guidelines (Standard). Location: On ground floor of Building-10: New Dyeing Shed. Available travel distance: 46.0m	Reconfigure the egress arrangement to meet 6.13 of RSC Technical Guidelines (Standard). Or, Provide additional exits so that the travel distance shall not exceed the maximum allowable limit. Or, Provide Standpipe System and Fire Alarm and detection system to meet the requirement of maximum travel distance.	Within 3 Months

SI No.	Category	Findings	Required Action	Remediation Time Frame
				
F54	Means of Egress	A single means of exit has been provided for the mezzanine floor. Location: Mezzanine floor of Building-10: New Dyeing Shed. Type of Occupancy: Office; Travel Distance: 92.5 ft (28.19m).	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. Other than single exit permitted by RSC Technical Guideline (Standard), floors shall be kept completely out of bounds for operational activity and remain unused until second exit is ensured.	Within 3 Months

SI No.	Category	Findings	Required Action	Remediation Time Frame
		 		
F55	Means of Egress	Handrails are not provided on both sides of each ramps on ground floor extending upto road level. Having ramp width exceeding 2.2m is not provided with intermediate handrail. Location: Ground floor of Building-10: New Dyeing Shed.	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.). in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.10. 3 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 2 Months

SI No.	Category	Findings	Required Action	Remediation Time Frame
		  		
F56	Means of Egress	No guard rail provided for mid-north loading-unloading zone near ramp on ground floor. Location: Building-10: New Dyeing 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
				
F57	Means of Egress	Changes in level in North-west and mid-north ramp was found 38 in., 38 in. and 39 in. respectively, where RSC Technical Guidelines (Standard)¹ V1.0 Section 6.9 or 6.10 doesn't meet. Location: North-east, South-east and mid-north ramp in Building-10: New Dyeing Shed.	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.	Within 3 Months

SI No.	Category	Findings	Required Action	Remediation Time Frame
		  		
F58	Means of Egress	Aisles were found missing on several locations throughout the building. Location: Building-10: New Dyeing Shed.	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
		  		
F59	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building-10: New Dyeing Shed.	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

SI No.	Category	Findings	Required Action	Remediation Time Frame
				
F60	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: Building-10: New Dyeing Shed.	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

SI No.	Category	Findings	Required Action	Remediation Time Frame
		 		
F61	Means of Egress	Exit sign not provided at exit. Location: Building-10: New Dyeing Shed.	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.	Within 1 Month
F62	Means of Egress	Fire evacuation maps are not updated as per site condition. Location: Building-10: New Dyeing Shed.	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
F63	Means of Egress	Building does not have occupant load signs at required locations on all floors. Location: All Exits in Building-10: New Dyeing Shed.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard) ¹ V1.0 Section 6.4.4 .	Within 1 Month

Findings & Recommendations :

Table-4 summarizes the major fire safety issues identified for Fabric Store Shed A 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-4: Building-11: Fabric Store Shed A (Single Storied Steel Shed)

Sl No.	Category	Findings	Required Action	Remediation Time Frame
F64	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas. Location: Building-11: Fabric Store Shed A.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction in accordance with section 3.4.2.1.5 of RSC Technical Guideline (Standard).	Within 3 months
 				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F65	Fire Rated Construction	The required fire separation distance for Fabric store shed - A does not comply with the requirements of BNBC 2020. Location: Building-11: Fabric Store Shed A.	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.	Within 6 months
				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F66	Means of Egress	Common path of egress travel exceeds 30 m (100 ft) Available: 127 feet. Location: Building-11: Fabric Store Shed A.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 30 m. The common path of egress travel for Group H (storage) occupancies with not more than 30 occupants shall not exceed 30 m (100 ft). The common path of egress travel for Group J (high hazard) occupancies shall not exceed 8 m (25 ft). Section 6.13.2 of RSC Technical Guidelines (Standard) shall meet.	Within 3 months
F67	Means of Egress	The maximum travel distance exceeds 45 m which does not meet the requirements of Section 6.13 of RSC Technical Guidelines (Standard). Location: Building-11: Fabric Store Shed A.	Reconfigure the egress arrangement to meet 6.13 of RSC Technical Guidelines (Standard). Or, Provide additional exits so that the travel distance shall not exceed the maximum allowable limit. Or, Provide Sprinkler System or FADS along with standby system to meet the requirement of maximum travel distance.	Within 3 Months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F68	Means of Egress	Dead-end corridor exceed 50 ft in non-sprinklered area. Available: 56 feet. Location: Building-11: Fabric Store Shed A.	1. For new construction: The requirement of dead end corridor shall be in accordance with BNBC 2020 Part 4 Section 3.15.4. & Table 4.3.8. or 2. Provide automatic sprinkler system throughout the storey as per NFPA 13. Dead end corridor allowable limit is 50 ft for non-sprinkler building. If the sprinkler system is reviewed and approved, the allowable length of the dead-end corridor may be increased from 50 feet to 100 feet, as per applicable code provisions.	Within 3 months
F69	Means of Egress	Aisles were found missing on several locations throughout the shed building. Location: Building-11: Fabric Store Shed A.	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible	Within 3 months
F70	Means of Egress	Updated Fire evacuation map is not posted and updated at the entrance of all exit. Location: Building-11: Fabric Store Shed A.	Fire evacuation maps shall be posted at the entrance to each exit stair. Evacuation map shall reflect the actual floor condition.	Within 3 months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F71	Means of Egress	Shed Building does not have occupant load signs at required locations. Location: Building-11: Fabric Store Shed A.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard) ¹ V1.0 Section 6.4.4 .	Within 3 months
F72	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building-11: Fabric Store Shed A.	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.	Within 3 Months
F73	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: Building-11: Fabric Store Shed A.	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 3 Months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F74	Fire Alarm & Detection System (FADS)	The fire alarm system is antiquated, not a listed system and does not provide alarm and notification features consistent with acceptable standards. Location: Building-11: Fabric Store Shed A.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72 to meet section 5.7.3 of RSC Technical Guideline (Standard) Submit the proposed fire alarm 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/ 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
F75	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and The RSC Technical Guidelines (Standard). Location: Building-11: Fabric Store Shed A.	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)

Findings & Recommendations :

Table-5 summarizes the major fire safety issues identified for [Fabric Store Shed B+Grey Fabric (A+B+C)+Yarn Store]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-5: Building 12: Fabric Store Shed B; Building 13, 14, 15: Grey Fabric (A+B+C); Building 16: Yarn Store. (Single Storied Steel Shed)

SI No.	Category	Findings	Required Action	Remediation Time Frame
F76	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas. Location: Building 12: Fabric Store Shed B; Building 13, 14, 15: Grey Fabric (A+B+C); Building 16: Yarn Store.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction in accordance with section 3.4.2.1.5 of RSC Technical Guideline (Standard).	Within 3 months
				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F77	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Building 12: Fabric Store Shed B; Building 13, 14, 15: Grey Fabric (A+B+C); Building 16: Yarn Store.	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
 				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F78	Fire Rated Construction	The required fire separation distance for shed Building does not comply with the requirements of BNBC 2020 . Location: Building 12: Fabric Store Shed B; Building 13, 14, 15: Grey Fabric (A+B+C); Building 16: Yarn Store.	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.	Within 6 months
 				
F79	Fire Rated Construction	The means of access of the knitting section (Building 12: Fabric Store Shed B) is provided through hazardous area (storage room of Building 13: Grey Fabric A).	Emergency egress route shall never be designed through any hazardous area. Firstly, verify the feasibility of single exit criteria following Accord Standard-6.6.2, if that fails then re-route the egress route avoiding hazardous area as store, utility etc.	Within 3 months

SI No.	Category	Findings	Required Action	Remediation Time Frame
		 		
F80	Means of Egress	Common path of egress travel exceeds 30 m (100 ft) Location: Building 12: Fabric Store Shed B; Building 13, 14, 15: Grey Fabric (A+B+C); Building 16: Yarn Store.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 30 m. The common path of egress travel for Group H (storage) occupancies with not more than 30 occupants shall not exceed 30 m (100 ft). The common path of egress travel for Group J (high hazard) occupancies shall not exceed 8 m (25 ft). Section 6.13.2 of RSC Technical Guidelines (Standard) shall meet.	Within 3 months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F81	Means of Egress	The maximum travel distance exceeds 45 m which does not meet the requirements of Section 6.13 of RSC Technical Guidelines (Standard). Location: Building 12: Fabric Store Shed B; Building 13, 14, 15: Grey Fabric (A+B+C); Building 16: Yarn Store.	Reconfigure the egress arrangement to meet 6.13 of RSC Technical Guidelines (Standard). Or, Provide additional exits so that the travel distance shall not exceed the maximum allowable limit. Or, Provide Sprinkler System or FADS along with standby system to meet the requirement of maximum travel distance.	Within 3 Months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F82	Means of Egress	Dead-end corridor exceed 50 ft in non-sprinklered area. Location: Building 12: Fabric Store Shed B; Building 13, 14, 15: Grey Fabric (A+B+C); Building 16: Yarn Store.	1. For new construction: The requirement of dead end corridor shall be in accordance with BNBC 2020 Part 4 Section 3.15.4. & Table 4.3.8. or 2. Provide automatic sprinkler system throughout the storey as per NFPA 13.	Within 3 months
F83	Means of Egress	Obstruction at exit-1 of grey fabric store shed due to non-compliant door. Location: Grey Fabric (A+B+C).	The path of egress travel along a means of egress shall not be interrupted by any obstruction. The capacity of the means of egress shall not be reduced along the path of travel as per RSC Technical Guideline 6.5.2	Within 3 months
				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F84	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building 12: Fabric Store Shed B; Building 13, 14, 15: Grey Fabric (A+B+C); Building 16: Yarn Store.	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.	Within 3 Months
F85	Fire Alarm & Detection System (FADS)	An addressable fire alarm system has installed in the factory building premises. Fire detection system installation requires to detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard). Location: Building 12: Fabric Store Shed B; Building 13, 14, 15: Grey Fabric (A+B+C); Building 16: Yarn Store.	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 Review within 2 months and installation/modification within 4 months.

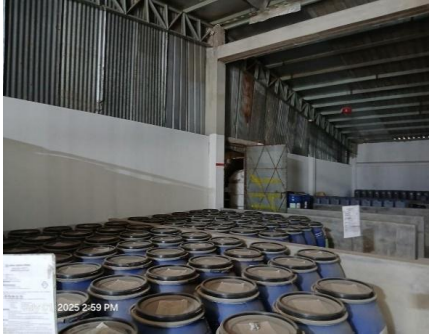
SI No.	Category	Findings	Required Action	Remediation Time Frame
F86	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and The RSC Technical Guidelines (Standard). Location: Building 12: Fabric Store Shed B; Building 13, 14, 15: Grey Fabric (A+B+C); Building 16: Yarn Store.	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)

Findings & Recommendations :

Table-6 summarizes the major fire safety issues identified for Yarn & chemical store 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-6: Building-17: Yarn & Chemical Store Shed. (Single Storied Steel Shed)

SI No.	Category	Findings	Required Action	Remediation Time Frame
F87	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas. Location: Building-17: Yarn & Chemical Store Shed.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction in accordance with section 3.4.2.1.5 of RSC Technical Guideline (Standard).	Within 3 months
				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F88	Fire Rated Construction	Chemical storage rooms (Group J- Hazardous occupancy) is not properly fire separated from surrounding occupancies (Group H2- Storage) due to openings and penetrations. Location: Building-17: Yarn & Chemical Store Shed.	Provide a 4-hour fire-rated construction barrier to separate the chemical store from the surrounding production/combustible storage areas. The 4-hour fire-resistive separation shall have no openings/ no unprotected openings therein and shall provide a fire resistance for at least four hour. Chemical stores shall comply with BNBC 2020, Part 3 Section 2.14	Within 3 months
 				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F89	Fire Rated Construction	The required fire separation distance for Yarn & Chemical store does not comply with the requirements of BNBC 2020. Location: Building-17: Yarn & Chemical Store Shed.	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.	Within 6 months
				
F90	Means of Egress	Aisles were found missing on several locations throughout the shed building. Location: Building-17: Yarn & Chemical Store Shed.	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 3 months
F91	Means of Egress	Dead-end corridor is found in chemical store which is not allowed. (Available Dead-end: 35 feet.) Location: Chemical Store (Building-17: Yarn & Chemical Store Shed).	For new construction: The requirement of dead end corridor shall be in accordance with BNBC 2020 Part 4 Section 3.15.4. & Table 4.3.8.	Within 3 months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F92	Means of Egress	A single means of exit has been provided on new construction. Location: Chemical Store (Building-17: Yarn & Chemical Store Shed).	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), section 6.6.2. 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	Within 3 months
F93	Means of Egress	The maximum travel distance exceeds 8 m (25 feet) which does not meet the requirements of Section 6.13 of RSC Technical Guidelines (Standard). (Available Common Path: 176 feet.) Location: Chemical Store (Building-17: Yarn & Chemical Store Shed).	Reconfigure the egress arrangement to meet 6.13 of RSC Technical Guidelines (Standard). Or, Provide additional exits so that the travel distance shall not exceed the maximum allowable limit. Or, Provide Sprinkler System or FADS along with standby system to meet the requirement of maximum travel distance.	Within 3 months
F94	Means of Egress	Updated Fire evacuation map is not posted and updated at the entrance of all exit . Location: Building-17: Yarn & Chemical Store Shed.	Fire evacuation maps shall be posted at the entrance to each exit stair. Evacuation map shall reflect the actual floor condition.	Within 3 Months
F95	Means of Egress	Yarn & Chemical Store Shed does not have occupant load signs at required locations on exits. Location: Building-17: Yarn & Chemical Store Shed.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard) ¹ V1.0 Section 6.4.4 .	Within 3 months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F96	Fire Alarm & Detection System (FADS)	An addressable fire alarm system has installed in the factory building premises. Fire detection system installation requires to detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard). Location: Building-17: Yarn & Chemical Store Shed.	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 Review within 2 months and installation/modification within 4 months.
F97	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and The RSC Technical Guidelines (Standard). Location: Building-17: Yarn & Chemical Store 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)
F98	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building-17: Yarn & Chemical Store Shed.	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.	Within 3 months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F99	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: Building-17: Yarn & Chemical Store Shed.	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 3 months

Findings & Recommendations :

Table-7 summarizes the major fire safety issues identified for Cartoon store & workshop 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-7: Building-18: Cartoon Store & Workshop Shed. (Single Storied Steel Shed)

SI No.	Category	Findings	Required Action	Remediation Time Frame
F100	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas. Location: Building-18: Cartoon Store & Workshop Shed.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction in accordance with section 3.4.2.1.5 of RSC Technical Guideline (Standard).	Within 3 months
				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F101	Fire Rated Construction	The required fire separation distance for Cartoon Store & Workshop does not comply with the requirements of BNBC 2020 . Location: Building-18: Cartoon Store & Workshop Shed.	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.	Within 6 months
 				
F102	Means of Egress	Aisles were found missing on several locations throughout the shed building. Location: Building-18: Cartoon Store & Workshop Shed.	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 3 months
F103	Means of Egress	Abrupt changes in the elevation of walking surfaces were observed, not meeting the RSC Technical Guidelines (Standard)¹ V1.0 Section 6.3.4. Location: Building-18: Cartoon Store & Workshop Shed.	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	Within 3 months

SI No.	Category	Findings	Required Action	Remediation Time Frame
		 		
F104	Means of Egress	A single means of exit has been provided on new construction. Location: Building-18: Cartoon Store & Workshop Shed.	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), section 6.6.2. 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	Within 3 months
F105	Means of Egress	Updated Fire evacuation map is not posted and updated at the entrance of all exit. Location: Building-18: Cartoon Store & Workshop Shed.	Fire evacuation maps shall be posted at the entrance to each exit stair. Evacuation map shall reflect the actual floor condition.	Within 3 Months
F106	Means of Egress	Cartoon Store Shed does not have occupant load signs at exit. Location: Building-18: Cartoon Store & Workshop Shed.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.4.4 .	Within 3 months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F107	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building-18: Cartoon Store & Workshop Shed..	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.	Within 3 months
F108	Fire Alarm & Detection System (FADS)	An addressable fire alarm system has installed in the factory building premises. Fire detection system installation requires to detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard). Location: Building-18: Cartoon Store & Workshop Shed.	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 Review within 2 months and installation/modification within 4 months.
F109	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and The RSC Technical Guidelines (Standard). Location: Building-18: Cartoon Store & Workshop 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)

Findings & Recommendations :

Table-8 summarizes the major fire safety issues identified for Wastage store 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-8: Building-19: Wastage Store Shed. (Single Storied Steel Shed)

SI No.	Category	Findings	Required Action	Remediation Time Frame
F110	Fire Rated Construction	The required fire separation distance for Wastage Store does not comply with the requirements of BNBC 2020 . Location: Building-19: Wastage Store Shed.	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.	Within 6 months
				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F111	Means of Egress	A single means of exit has been provided on new construction. Location: Building-19: Wastage Store Shed.	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), section 6.6.2. 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	Within 3 months
				
F112	Means of Egress	Aisles were found missing on several locations throughout the shed building. Location: Building-19: Wastage Store Shed.	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 3 months
F113	Means of Egress	Shed Building does not have occupant load signs at required locations. Location: Building-19: Wastage Store Shed.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.4.4 .	Within 3 months

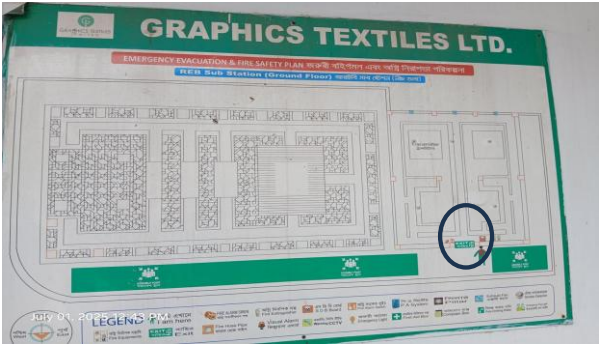
SI No.	Category	Findings	Required Action	Remediation Time Frame
F114	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building-19: Wastage Store Shed.	Test the emergency lighting system on each 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.	Within 3 months
F115	Means of Egress	Updated Fire evacuation map is not posted and updated at the entrance of all exit . Location: Building-19: Wastage Store Shed.	Fire evacuation maps shall be posted at the entrance to each exit stair. Evacuation map shall reflect the actual floor condition.	Within 1 month
F116	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building-19: Wastage Store Shed.	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.	Within 3 Months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-117	Fire Alarm & Detection System (FADS)	An addressable fire alarm system has installed in the factory building premises. Fire detection system installation requires to detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard). Location: Building-19: Wastage Store Shed.	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 Review within 2 months and installation/modification within 4 months.
F-118	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and The RSC Technical Guidelines (Standard). Location: Building-19: Wastage Store 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)

Findings & Recommendations :

Table-9 summarizes the major fire safety issues identified for Building-4,5,6,7,20,21,22 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-9: Finding & recommendation for Building-4,5,6,7,20,21,22

SI No.	Category	Findings	Required Action	Remediation Time Frame
F119	Means of Egress	A single means of exit has been provided on new construction. Location: Building-4: REB Substation Building.	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), section 6.6.2. 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	Within 3 months
				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F120	Fire Rated Construction	Hazardous/flammable liquid material were located within the factory on ground floor of utility building without adequate fire separation. Location: Building-5: Utility Building.	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. Or, 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
F121	Fire Rated Construction	Cooking Operation on kitchen area doesn't meet section 5.10 of RSC Technical Guideline (Standard) Location: Kitchen Shed (Building-21).	Cooking operations that produce grease laden vapors shall be prohibited in factory premises. If cooking operation is required, ensure ventilation and a fire protection system is provided in accordance with NFPA 96.	Within 3 months
				
F122	Means of Egress	Parapets or guards are not provide in occupiable roof. Location: Building 5 & 6.	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.	Within 3 Months

SI No.	Category	Findings	Required Action	Remediation Time Frame
				
F123	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building-4,5,6,7,20,21,22.	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.	Within 3 months
F124	Means of Egress	Updated Fire evacuation map is not posted and updated at the entrance of all exit stair. Location: Building-4,5,6,7,20,21,22.	Fire evacuation maps shall be posted at the entrance to each exit stair. Evacuation map shall reflect the actual floor condition.	Within 1 month

SI No.	Category	Findings	Required Action	Remediation Time Frame
F125	Means of Egress	Building does not have occupant load signs at required locations on all floors. Location: Building-4,5,6,7,19, 20,21,22.	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.	Within 1 month
F126	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building-4,5,6,7,20,21,22.	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.	Within 3 Months
F127	Inspection, Testing & Maintenance (Fire)	Inspection, testing, and maintenance for the exit sign and emergency lighting system were not in accordance with the RSC Technical Guidelines (Standard). Location: All Buildings and Sheds (under ID: 26357).	Inspect, test and maintain the exit sign and 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
F128	Fire Alarm & Detection System (FADS)	An addressable fire alarm system has installed in the factory building premises. Fire detection system installation requires to detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard). Location: Building-4,5,6,7,20,21,22.	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 Review within 2 months and installation/modification within 4 months.
F129	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and The RSC Technical Guidelines (Standard). Location: Building-4,5,6,7,20,21,22.	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)
F130	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10. Location: All Buildings and Sheds (under ID: 26357).	Inspect, test and maintain the portable fire extinguishers and keep written records onsite, in accordance with NFPA 10 and RSC Technical Guidelines (Standard).	Within 1 month