

INITIAL FIRE SAFETY INSPECTION REPORT

Essential Clothing Ltd. (Nagchala Campus)

RSC ID: 26640

Geographical Coordinates: 24.07463759839894, 90.31719549319025

Address: Nagchala, Sakashor, Maddha Para, Kaliakoir, Gazipur.

Other Factories: None



Inspected By: Mahfuza Khanom & Md. Kawsar Rubaiat

Date: 23-April-2026

Fire Safety Inspection Report

Essential Clothing Ltd. (Nagchala Campus)

Introduction:

Essential Clothing Ltd. (Nagchala Campus) complex was surveyed for fire safety on **23-Apr-2026** 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

The structures covered under this RSC ID-26640 are as follows:

SL No	Building Name	Building Construction Period	Approval Date & Authority	Occupied	Structure type	Construction Category
1	PRODUCTION BUILDING: G+6 Storied Total Floor Area: 2,17,306 Sq. ft	Jun-2020 to Jun-2024	Approved by LGED, Gazipur on 20-Mar-2025	Jun-2024	RCC	Interim
2	DINING BUILDING: B+G+3 Storied with UG Fire Pump Room Total Floor Area: 49,354 Sq. ft	Jun-2020 to Jun-2024		Jun-2024	RCC	Interim
3	UTILITY BUILDING: G+1 Storied Total Floor Area: 10,900 Sq. ft	Jun-2020 to Jun-2022		Jun-2024	RCC	Interim
4	GATE HOUSE & SECURITY BUILDING: Single Storied Total Floor Area: 2,561 Sq. ft	Jun-2023 to Jun-2024		Jun-2024	RCC	New

5	ESSENTIAL MART BUILDING (Currently Occupied as Store): Single Storied Total Floor Area: 1,896 Sq. ft	Jun-2020 to Jun-2021	Approved by LGED, Gazipur on 20-Mar-2025	Jun-2024	RCC	Interim
6	DAYCARE & MEDICAL BUILDING: Single Storied Total Floor Area: 2,628 Sq. ft	Jun-2021 to Jun-2022		Jun-2024	RCC	New
7	SHOWER BUILDING: Single Storied Total Floor Area: 1,100 Sq. ft	Jun-2022 to Jun-2023		Jun-2024	RCC	New
8	BICYCLE PARKING SHED: Single Storied Total Floor Area: 862 Sq. ft	Jun-2023 to Jun-2024		Jun-2024	Steel	New
9	MOTOR CYCLE PARKING SHED: Single Storied Total Floor Area: 862 Sq. ft	Jun-2023 to Jun-2024		Jun-2024	Steel	New

10	CAR PARKING SHED WITH STP: Single Storied Total Floor Area: 3,007 Sq. ft	Jun-2023 to Jun-2024	Approved by LGED, Gazipur on 20-Mar-2026	Jun-2024	Steel	New
11	PERSONAL LOCKER SHED: Single Storied Total Floor Area: 960 Sq. ft	Jun-2023 to Jun-2024		Jun-2024	Steel	New
12	SINGLE STORIED BIN CENTER: Single Storied Total Floor Area: 897 Sq. ft	Jun-2023 to Jun-2024		Jun-2024	RCC	New
13	WASTAGE STORE: Single Storied Total Floor Area: 1,850 Sq. ft	Jun-2023 to Jun-2024		Jun-2024	RCC	New
14	LPG ROOM: Single Storied with UG Sedimentation Tank Total Floor Area: 91 Sq. ft	Jun-2023 to Jun-2024		Jun-2024	RCC	New

Factory Address: Nagchala, Sakashor, Maddha Para, Kaliakoir, Gazipur.

Findings & Recommendations :

Table-1 & 2 summarize the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue. An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design/installation constraints, shall be submitted to the RSC for review.

Table-1: Production Building

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Means of Egress	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction. Location(s): All floors, Production Building. Non-Compliance reason: Fire door non-functionality, fire door held open with external object, etc.	The exit stair enclosure shall be provided with a minimum of 2- hr. fire resistance rating for buildings 4 or more stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for buildings with 4 or more stories in accordance with section 6.3.1.2 of RSC Technical Guidelines (Standard)¹ V1.0. Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer. Ensure that the fire doors are self-closing and positive latching, and that they are provided with fire exit (panic) hardware where serving production floors. If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system. 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

  				
F-02	Means of Egress	Aisles were found missing in several locations throughout the building. Location(s): 6th floor, Production Building.	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 1 Month
 				

F-03	Means of Egress	Fire evacuation maps are not updated as per site condition. Location(s): All floors, Production Building.	Fire evacuation maps 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
F-04	Means of Egress	Office exit terminates the occupants internally through the loading unloading area, which does not comply with section 6.17 of RSC Technical Guidelines (Standard)¹ V1.0. Location(s): Ground floor, West exit (Office), Production Building.	Exits shall discharge directly to the exterior of the building unless meeting the requirements of 6.17.2 or 6.17.3 as per RSC Technical Guidelines (Standard)¹ V1.0.	Within 3 Months
 				

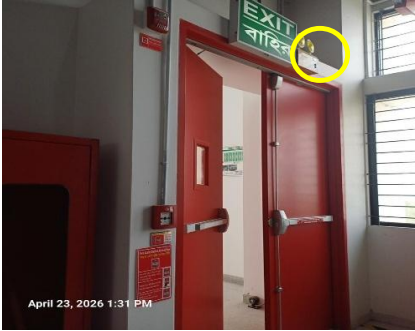
F-05	Means of Egress	Building does not have stair/floor level designation signs at required locations on all floors. Location(s): Production Building.	Provide stair designation sign at each floor entrance from the stair to the floor in English and Bengali. Signs shall indicate the name of the stair and 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
F-06	Means of Egress	Building does not have occupant load signs at the required locations on all floors. Location(s): All floors, Production 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

F-07	Means of Egress	Electrical power cables were located within 10 ft of the non-rated opening in the West Exit Stair enclosure. Location(s): West Stair, Production Building.	Provide fire separation with stair enclosure in accordance with section 6.3.1 of RSC Technical Guidelines (Standard)¹ V1.0.	Within 3 Months
 				

F-08	Means of Egress	Electrical panels were located in the west exit discharge path. Location(s): Ground floor, West Exit. Production Building.	Remove and relocate all Electrical panels from the exit stair enclosures & exit discharge paths. 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
 				
F-09	Means of Egress	Exit stairs serve more than 5 stories and do not have the required reentry provisions on all floors. Location(s): Production Building.	Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC Technical Guidelines (Standard)¹ V1.0. Section 6.8.3.1.	Within 3 Months

F-10	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed. Location(s): All floors, Production Building.	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.3.	Within 1 Month
				

F-11	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location(s): All floors, Production Building.	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths, and minimum 2.5 lux along exit access aisles. Illumination on means of egress shall meet in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 10.12.2.	Within 3 Months
 				

F-12	Means of Egress	Manual on-off switch is provided for emergency lighting/exit signage units. Location(s): All floors, Production Building.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 3 Months
				

F-13	Fire Rated Construction	Rooms used for the storage of combustible materials are not separated from the surrounding production areas. Location(s): Ground, 1st, 2nd, 5th floor (knitting section), etc. Production Building.	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). Note: Factory shall maintain travel distance, means of egress arrangement for dedicated storage [H2] occupancy to meet section 6.13 of RSC Technical Guidelines (Standard).	Within 3 Months
				

F-14	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location(s): 1st floor; Production Building.	Provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.45 m and maximum area of 23 m², and is separated by a minimum of 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 at least 25 ft (7.62 m), and does not constitute more than 10 percent of the building area or 4000 ft² (372 m²) of the sprinklered area, whichever is greater. or, Enclose the storage area from the surrounding occupancy with a minimum 1-hour construction.	Within 3 Months
				

F-15	Fire Rated Construction	Storages were found underneath the cutting tables. Location(s): 1st floor, 3rd floor. Production Building.	Storage underneath the cutting tables shall be kept clear of combustibles at all time, except as provided for miscellaneous storage in accordance with 3.4.2.1.6 or, Where an automatic sprinkler system is installed sprinklers are required to be installed beneath cutting tables greater than 4 ft in width that are used for storage of combustibles.	Within 3 Months
 				

F-16	Fire Rated Construction	Office area (F1) are not separated from the Production area (G2) due to unsealed penetration. Location: 6th floor, Production Building.	Separate the office from other occupancy as per Table 3.2.1 (BNBC 2006).	Within 3 months
				

F-17	Fire Rated Construction	Elevator shafts open directly into the exit enclosure, which doesn't comply with RSC Technical Guidelines (Standard), section 6.14.3. Location(s): All floors, Production Building. Non-Compliance: Fire door non-functionality, fire door accessories damage, etc.	Provide a minimum 2-hr fire rated elevator shaft to separate it from stair enclosure. No discharge is accepted through elevator shaft. Seal all openings to maintain fire separations. 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
				

F-18	Fire Rated Construction	Elevator shafts open directly into the production floor without proper fire separation due to unprotected openings. Location(s): All floors, Production Building. Non-Compliance: Fire door non-functionality, fire door accessories damage, etc.	Elevator shaft shall be separated from production area by 2 hours fire rated construction. 2-hr fire barriers shall be protected with a minimum 1.5-hr fire protective opening assemblies. 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
				

F-19	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. Location(s): All floors, Production Building. Non-Compliance: BBT, Utility Riser penetrations.	Seal all penetrations and openings in floor/ceiling assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain a minimum 3-hr. fire resistance rating. Installation shall be as per the manufacturer's published installation guideline and the certification authority guideline to ensure the fire-rating in accordance with section 4.7 of RSC Technical Guideline (Standard) Or, Provide a minimum 2-hour fire-rated shaft to separate the penetration from each floor if required.	Within 3 Months
 				

F-20	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. Location(s): All floors, Production Building. Non-Compliance: Plastic pipe penetrations.	Seal all penetrations and openings in floor/ceiling assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain a minimum 3-hr. fire resistance rating. Installation shall be as per the manufacturer's published installation guideline and the certification authority guideline to ensure the fire-rating in accordance with section 4.7 of RSC Technical Guideline (Standard) Or, Provide a minimum 2-hour fire-rated shaft to separate the penetration from each floor if required.	Within 3 Months
				

F-21	Fire Rated Construction	Unprotected openings in the exterior wall on two consecutive floors lying within 1.5 m, and vertical spread of fire is not restricted. Location(s): Production Building.	Provide flame barriers as similar as sunshades or cornices or projected wall at least 750 mm from the external face of the exterior wall. The flame barrier shall have a fire resistance rating of not less than three-fourths hour. For Interim Building, BNBC 2006 Part III chapter 3 clause 3.1.7.2.	Within 6 Months
				

F-22	Fire Rated Construction	The required fire separation distance does not comply with the requirements of BNBC 2006. Location(s): Production Building.	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2006, Tables 3.2.2 and Part 3 Section 2.4.1.3.	Within 6 Months
				

F-23	Fire Alarm & Detection System (FADS)	The factory has installed sprinkler based detection system in the Production Building. 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(s): Production 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 within 4 Months
				

F-24	Fire Suppression System (SUPS)	The highest occupied floor of the Production Building is over 75 feet above grade, mandating a sprinkler system along with a class I standpipe. The factory has installed a sprinkler system with a class I standpipe, requiring a detailed review to ensure compliance with NFPA 13, 14, 20, 22, and 24 and RSC Technical Guidelines (Standard). Location(s): Production Building.	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 comments, 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.	Design within 2 Months and modification/ installation within 4 Months
				

F-25	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance of the automatic sprinkler system is not in accordance with NFPA 25. Location(s): Production Building.	Inspect, test and maintain the automatic sprinkler system and keep written records on- site, in accordance with NFPA 25 and RSC Technical Guidelines (Standard) ¹ V1.0.	Within 1 Month after installation.
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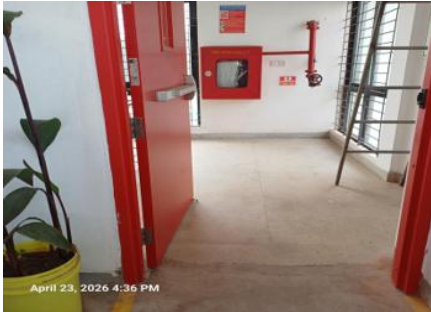
Table-2: Dining Building & Others

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-26	Means of Egress	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction. Location(s): All floors, Dining Building. Non-Compliance: Fire door non-functionality.	The exit stair enclosure shall be provided with a minimum of 2- hr. fire resistance rating for buildings 4 or more stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for buildings with 4 or more stories in accordance with section 6.3.1.2 of RSC Technical Guidelines (Standard)¹ V1.0. Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer. Ensure that the fire doors are self-closing and positive latching, and that they are provided with fire exit (panic) hardware where serving production floors. If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system. 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

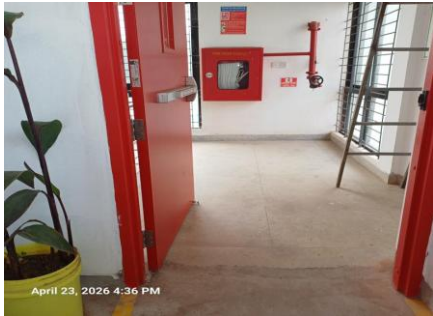
 				
F-27	Means of Egress	Fire evacuation maps are not updated as per site conditions. Location(s): All floors, Dining Building.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space, in accordance with RSC Technical Guidelines (Standard)¹, V1.0, Section 6.4.4.	Within 1 Month

F-28	Means of Egress	Electrical panels, Toilet were located in the exit stair enclosure. Location(s): Ground floor, West Exit. Dining Building.	Remove and relocate all Electrical panel. Toilet from the 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
 				
F-29	Means of Egress	Building does not have updated occupant load signs at the required locations on all floors. Location(s): All floors, Dining Building.	Post the updated 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

F-30	Means of Egress	Building does not have stair/floor level designation signs at required locations on all floors. Location(s): All floors, Dining 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
F-31	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location(s): All floors, Dining Building.	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths, and minimum 2.5 lux along exit access aisles. Illumination on means of egress shall meet in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 10.12.2.	Within 3 Months
				

F-32	Means of Egress	Utility area (Compressor room) discharges directly into the exit stair enclosure. Location(s): 1st floor, North Stair. Utility 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 1.5-hr fire-rated door on the Store, generator, sub-station room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure as per RSC Technical Guidelines (Standard)¹ V1.0. section 6.14.3. The minimum width for vestibules shall not be less than 1.1m, and the length shall be 1.8m.	Within 3 Months
 				

F-33	Means of Egress	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction. Location(s): Both stairs, Utility Building.	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 with a 1-hr fire-rated barrier construction for buildings 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
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F-34	Means of Egress	Aisles were found missing in several locations throughout the building. Location(s): 1st floor, Electrical Materials room, Utility Building.	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 1 Month
				

F-35	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed. Location(s): 1st floor, Electrical Materials room, Utility Building.	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.3.	Within 1 Month
				

F-36	Means of Egress	Building does not have stair/floor level designation signs at the required locations on all floors. Location(s): All floors, Utility 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
F-37	Means of Egress	Building does not have updated occupant load signs at the required locations on all floors. Location(s): All floors, Utility Building.	Post the updated 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
F-38	Means of Egress	Fire evacuation maps are not updated as per site condition. Location(s): All floors, Utility Building.	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

F-39	Means of Egress	Handrails are not provided on both sides of each exit stair on all floors. Having handrails on one side of said staircase may pose a falling hazard during evacuation. Location(s): Both Stairs, Utility Building.	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.). Open guards shall have intermediate rails or pattern such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.). Handrail shall construct in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.12.	Within 3 Months
				

F-40	Means of Egress	A single means of exit has been provided in the Wastage Store Shed (New Construction). Location(s): Wastage Store.	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 6.6.6.	Within 3 Months
				

F-41	Fire Rated Construction	Compressor room is not properly separated by fire-rated construction from the surrounding occupancies. Location(s): 1st floor, Utility Building.	Compressor room shall be separated from other occupancies by a minimum 1-hr fire-rated construction (wall, floor, slab, etc.). Seal all penetrations and openings (door, window, etc.) should be protected by 0.75-hr (45 min) fire-rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location. Or, Relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building. Boiler room separation shall meet section 3.4.2.1.2 of RSC Technical Guideline (Standard) .	Within 3 Months
				

F-42	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. Location(s): Dining Building. Non-Compliance: BBT riser penetrations, fire door non-functionality.	Seal all penetrations and openings in floor/ceiling assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain a minimum 3-hr. fire resistance rating. Installation shall be as per the manufacturer's published installation guideline and the certification authority guideline to ensure the fire-rating in accordance with section 4.7 of RSC Technical Guideline (Standard) Or, Provide a minimum 2-hour fire-rated shaft to separate the penetration from each floor if required.	Within 3 Months
				

F-43	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. Location(s): Dining Building. Non-Compliance: Plastic pipe penetrations.	Seal all penetrations and openings in floor/ceiling assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain a minimum 3-hr. fire resistance rating. Installation shall be as per the manufacturer's published installation guideline and the certification authority guideline to ensure the fire-rating in accordance with section 4.7 of RSC Technical Guideline (Standard) Or, Provide a minimum 2-hour fire-rated shaft to separate the penetration from each floor if required.	Within 3 Months
				

F-44	Fire Rated Construction	Liquefied or compressed gas cylinders were located within the factory without adequate fire separation. Location(s): Ground floor, Dining Building. LPG Room. Note: Factory has claimed that they have installed fire-rated damper to ensure opening protection of the LPG room. All relevant documents were not available on-site.	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 LIQUEFIED OR COMPRESSED FLAMMABLE GAS IN FACTORY PREMISES" to use or store liquefied or compressed flammable gas cylinders in the factory premises. Keep all the relevant documents for on-site verification.	Within 3 Months
				

F-45	Fire Rated Construction	The required fire separation distance does not comply with the requirements of BNBC 2006. Location(s): Dining Building.	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2006, Tables 3.2.2 and Part 3 Section 2.4.1.3.	Within 6 Months
				

F-46	Fire Rated Construction	The required fire separation distance does not comply with the requirements of BNBC 2020. Location(s): Wastage 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
				

F-47	Fire Alarm & Detection System (FADS)	The factory has installed a fire alarm and detection system that requires a detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard). Location(s): All Buildings under this ID except Production 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 within 4 Months
				
F-48	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance for the fire alarm system are not in accordance with NFPA 72. Location(s): All Buildings under this ID.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72 and RSC Technical Guidelines (Standard)¹ V1.0.	Within 1 Month after installation

F-49	Fire Suppression System (SUPS)	The factory has installed a standpipe & Hose system that requires a detailed review to confirm compliance with NFPA 14,20, 24 and RSC Technical Guidelines (Standard). Location(s): Dining Building.	Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guidelines (Standard)¹ V1.0. and NFPA 14, 20,22 and 24. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the standpipe system.	Design within 2 Months and modification/ installation within 4 Months
				

F-50	Inspection, Testing & Maintenance (Fire)	Inspection, testing, and maintenance of the standpipe system is not in accordance with NFPA 25. Location(s): Production Building & Dining Building.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25 and RSC Technical Guidelines (Standard) ¹ V1.0.	Within 1 Month after installation
F-51	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 25.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 25 and RSC Technical Guidelines (Standard) ¹ V1.0.	Within 1 Month after installation

F-52	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10. Location(s): All Buildings.	Inspect, test and maintain the portable fire extinguishers and keep written records on- site, in accordance with NFPA 10 and RSC Technical Guidelines (Standard)¹ V1.0.	Within 1 Month
F-53	Inspection, Testing & Maintenance (Fire)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with the RSC Technical Guidelines (Standard)¹ V1.0. Location(s): All Buildings.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with the RSC Technical Guidelines (Standard)¹ V1.0. Keep written records on-site.	Within 1 Month