

FIRE SAFETY INSPECTION REPORT

Fancy Fashion Sweaters Ltd (Extension)

Factory ID: 24557

1153-54, Shahid Siddique Road, Khailkur, Board Bazar, Gazipur

23.942271, 90.388891

Other Factories in the Building: None



Inspected by: Md. Rakibul Alam & Md. Sadid Rahman

Date: 4 June 2023



Fire Safety Inspection Summary Report

Fancy Fashion Sweaters Ltd (Extension)

Summary

Fancy Fashion Sweaters Ltd (Extension) complex was surveyed for fire safety on 4 June 2023 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.

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.

Factory Building Name(s):

1. **Service Building (Building – 2)**
2. **Jacquard Shed**



Findings & Recommendations

Table 1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue.

An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the RSC for approval.

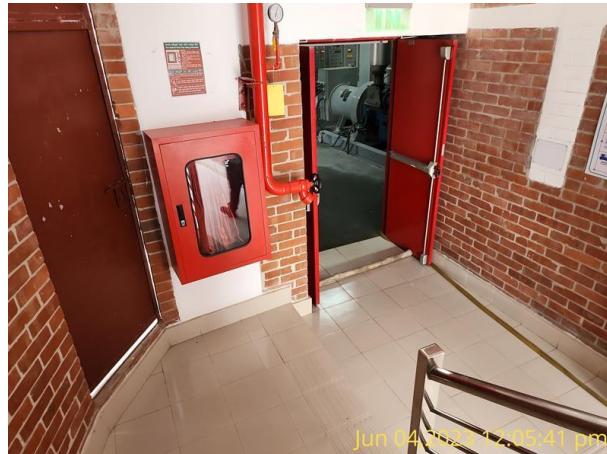
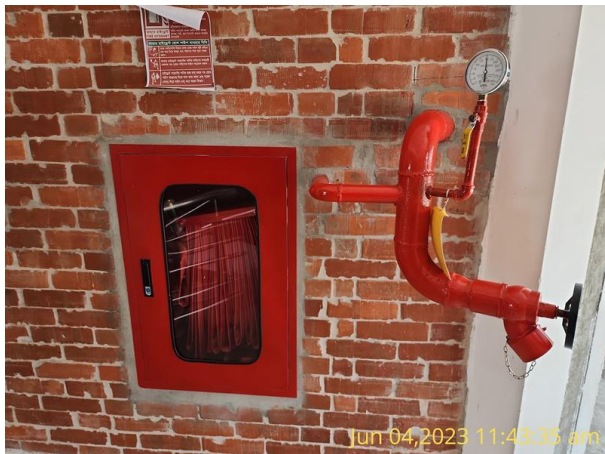


Table 1. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Protection	The fire alarm and detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Within 3 months
 				
F-2	Fire Protection	The fire pump set installation requires detailed review to confirm compliance with NFPA 20 and RSC standard.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Within 3 months



F-3	Fire Protection	The firefighting system (standpipe) installation requires detailed review to conform compliance with NFPA 14.	Submit as built drawing, testing records, equipment certification and all relevant documents to the RSC for review, approval and acceptance test.	Within 3 months
-----	-----------------	---	---	-----------------



F-4	Egress	Fire evacuation maps is not posted at the entrance of the exit stairs and none were updated.	Fire evacuation maps shall be posted at the entrance to each exits and exit stairs and maps shall be updated regularly when required.	Within 1 month
-----	--------	--	---	----------------

F-5	Fire Rated Construction	Proper certification was not provided for fire rated doors installed in the factory.	Proper certifications for the installed fire doors shall be provided during RSC follow up inspections. If not available, or certification is not approved, install new, properly certified fire rated doors in accordance with RSC direction.	Within 1 month
-----	-------------------------	--	---	----------------



F-6	Fire Rated Construction	Exit doors are provided with 2-hr fire rated doors however, fire door accessories are not working as required.	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr fire-rated construction. Provide minimum 1.5- hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation (10" wall). Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system. Once fire doors are installed, every door in a stair enclosure	Within 1 month
-----	-------------------------	--	--	----------------



F-7	Egress	A single means of egress is provided from the 6 story building.	Ground or basement story is allowed a maximum of 50 occupants and 23 m (75ft) travel distance. The second story is allowed a maximum of 30 occupants and 23 m (75ft) travel distance. All other stories require a minimum of 2 egress exits. Provide additional means of egress for the building. Until additional exit stair construction, limit the travel distance to 75ft and occupant load to 30 at 1st floor. 2nd floor can be used on temporary occupancy by using the connecting bridge ensuring compliant exit and signage as per RSC standard. The 3rd to 5th floors (and 2nd floor if no alternative exit provided) shall be kept completely out of bounds for operational activity and remain unused until completion of the proposed RCC exit stair at North-East side of the building.	Immediate
-----	--------	---	---	-----------





F-8	Egress	Building did not have proper and updated stair designation sign, occupant load sign & floor level signs at required locations.	Provide occupant load sign, stair & floor designation signs at all required locations.	Within 1 month
F-9	Egress Lighting	Exit signage not illuminated (burned out, broken, etc.).	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs. The source of illumination shall provide not less than 50 lux at the illuminated surface with a contrast of not less than 0.5. Approved self-luminous signs which provide evenly illuminated letters having a minimum luminance of 0.2 cd/m2 may also be used.	Within 1 month





F-10	Fire Rated Construction	Diesel store, sub-station room and generator room at ground floor discharges directly into the exit stair discharge.	Openings from exit enclosure to storage room, generator and transformer spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the Store, generator, sub-station room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
F-11	Egress	Width of exit stair is less than 1.5 m (60 in.)	Provide exit stair minimum clear and unobstructed width of 1.5 m (60 in.) in accordance with RSC 6.5.6.2.1.	Within 4 months



F-12	Fire Rated Construction	Unsealed utility pipes, electric riser penetration located in the fire-rated floor/ceiling assemblies	Penetrations of fire resistive rated assemblies shall be protected with listed through penetration fire stop system tested in Accordance with ASTM E814 in Accordance with RSC standard 4.7.	Within 3 months
------	-------------------------	---	--	-----------------

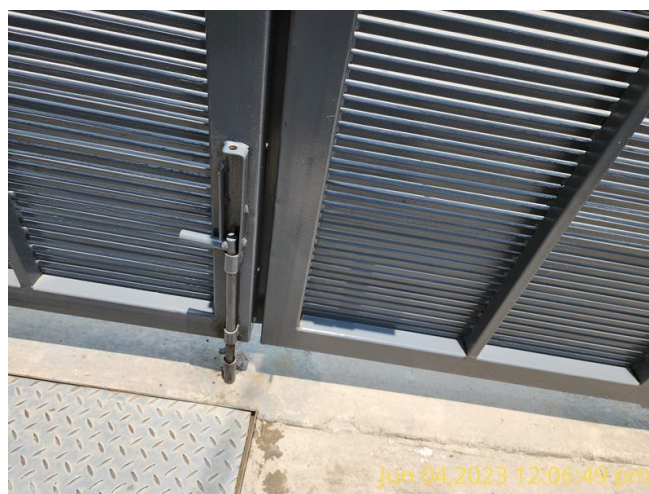


F-13	Fire Rated Construction	Diesel fuel storage located inside the generator room.	Remove all diesel fuel storage from the generator room and relocate to the exterior such that the diesel fuel storage is at least 10 ft from required egress paths. If located along egress paths or in a utility building, separate the diesel fuel storage with 2-hr. fire rated construction. There shall be no diesel fuel storage in a factory production building.	Within 3 months
------	-------------------------	--	---	-----------------





F-14	Egress	Egress gates on the main exit is provided with locking features. (Factory did not have adequate assembly point/area as per RSC//BNBC).	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with RSC standard 6.8.2.	Immediate
------	--------	--	--	-----------



F-15	Egress	Sliding gate was provided at the shed.	Replace all gates, sliding Doors and rolling shutters along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
------	--------	--	--	----------------



F-16	Egress	Egress door swinging over the egress path (At shed)	Modify swing direction of egress doors to the direction of egress travel.	Within 1 month
------	--------	---	---	----------------



F-17	Egress	Storage (manual fire fighting equipment) located in the stair.	Remove all storage from exit stairs. Keep the stairs, exits and aisles free from any type of storage and obstruction.	Immediately
------	--------	--	---	-------------



F-18	Egress Lighting	Exit signs were placed in areas that were not exits.	Remove exit signs from noted areas to avoid confusion from actual exits	Immediate
------	-----------------	--	---	-----------

