

INITIAL FIRE SAFETY INSPECTION REPORT

AB APPARELS LTD (extension)

RSC ID: 24906

225, SINGAIR ROAD, HEMAYETPUR, SAVAR

Other Factories: Not in the same building but in the premises.



Inspected By: Pantha Pallob Das, Abu Taher & Yusuf Ahmed

Date: 12 Sep-2021

Introduction:

AB APPARELS LTD (extension) complex was surveyed for fire safety on 12/09/2021 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): There are total 3 buildings in the premises under the ID 24096. The buildings are: a. 3-storied RCC building (Building-1). The building is planned to be constructed up to 7-storied but till now it is up to 3-storied. b. 2-storied RCC Chemical cum Boiler building. c. 2-storied substation building.

Findings & Recommendations :

Table 1- summarizes 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 approval.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Exit Enclosures are not properly fire separated from other occupancy on each floor by fire rated construction due to non-functionality of installed fire rated doors. Location: Building 1.	Provide minimum 2-hr fire rated separation in exit enclosures with minimum 1.5-hr fire rated doors and seal all unprotected openings and penetration to separate the exit stairs from work areas and other building spaces on all floor levels with similar rating of fire door. 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.	Within 3 months

  				
F-2	Fire Rated Construction	Unsealed electrical busbar penetration was found in fire rated floor/ceiling assemblies. Location: Building-1	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level or Seal all penetrations and openings in floors/ceiling assemblies to maintain the fire separation by at least 3-hr (Considering proposed-7 storied).	Within 3 months



F-3	Fire Rated Construction	Wastage chemical storage was found near the exit discharge path. Location: Stair-2, Ground Floor, Building-1.	Remove the wastage chemical storage from the exit discharge path or separate the storage area from the exit discharge path with minimum 4-hr fire rated construction.	Within 3 months
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F-4	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction . Location: 2nd Floor of Building-1	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m2 - If sprinkler protected: maximum height of 3.66m and maximum area of 93m2 Separate areas of unenclosed combustible storage by a minimum clear distance of 3m	Within 3 months
 				

F-5	Fire Rated Construction	The elevator discharges inside the stair enclosure. Location: Stair-1 of Building -1	For new construction, elevators shall not open into an exit enclosure as per ACCORD Standard-6.14.3. So, ensure separate enclosures for the elevator shafts with minimum 2 hr. fire rating. If elevator is not being installed then the door opening can be sealed by minimum 2-hr fire rated construction.	Within 3 months
				
F-6	Means of Egress	Handrails are not provided at exit stair. Location: stair-3 of Building-1	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.).	Within 1 month



F-7	Means of Egress	Storage was located in exit stair. Location: Ground floor of Stair-1 of Building-1	Remove storage from the exit stairs and egress path	Immediate
				

F-8	Means of Egress	The stair tops at the roof is open, because of this rain water may enter the stairs and cause slipping hazard.	Cover the stair tops with appropriate construction so that rain water can not enter the stairs.	Within 1 Month
				
F-9	Means of Egress	Evacuation map was not found. Location: 2nd Floor of Building-1	Provide evacuation map at the entrance of exit stairs.	Within 1 month

F-10	Egress Lighting (ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 1 month
F-11	Fire Alarm & Detection System (FADS)	The factory has installed an addressable fire alarm & detection system which is required to be reviewed and verified.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval. Modification (if required) shall have to be done as per the reviewed design and NFPA-72. Upon review & modification (if required) the owner shall verify the system by RSC for final acceptance.	Design within 2 months, Install within 4 months.



F-12	ITM of Fire Alarm & Detection System (FADS)	Inspection, testing, and maintenance for the fire detection system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
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