

INITIAL FIRE SAFETY INSPECTION REPORT

APPARELS VILLAGE LTD(SHIRTS)-NEW BUILDING 2

RSC ID: 24845

37, Khagan,Birulia-1340 Dhaka~Bangladesh

**Other Factories: Apparels Village Ltd. (Shirts). (ID: 11547),
Apparels Village Ltd. (Shirts) - New building (ID: 24205)**



Inspected By: Shahina Imam

Date: 02 January 2024

Fire Safety Inspection Report

APPARELS VILLAGE LTD(SHIRTS)-NEW BUILDING 2

Introduction:

APPARELS VILLAGE LTD(SHIRTS)-NEW BUILDING 2 was surveyed for fire safety on **02/01/2024** 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):

1. Building-8 (Warehouse-2) RCC, G+5 (Proposed 7 storied) Total area: 4,781 m²
Construction: October 2020 to February 2023 & Occupied: April 2023
2. Building-9 (ETP), (G+2); RCC; Total area: 816 m².
Construction: March 2019 to February 2020 & Occupied: May 2020
3. Guard Room, Single Story
4. Access Control Room, Single Story shed
5. RMS Room, Single Story Shed
6. Ansar Room, Single Story
7. Sludge Storage Room, Single Story

37, Khagan, Birulia~1340 Dhaka~Bangladesh

Points of contact:

Engr.Md.Cyrus Raihan
AGM, Engineering & Maintenance
01755-692315
raihan@faiyaz-group.com

Mirza Abu Nasher
Manager, Compliance
01708464847
mirzanasher@faiyaz-group.com



Findings & Recommendations :

APPARELS VILLAGE LTD(SHIRTS)-NEW BUILDING 2

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 review.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction due to non functional door and need to verify the listing documents.	Provide minimum 2-hr fire rated construction for buildings 4 storied or more and 1-hr for upto 3 storied. Seal all unprotected openings to separate the exit stairs from work areas and other spaces on all floor levels by 90 minutes for 2 hr construction and 60 minutes for 1-hr construction. Ensure that the fire rated doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors and provide vestibules to avoid direct discharge from storage to exit stair enclosure.If fire rated 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 serving more than 5 stories shall be provided with re-entry unless it meets RSC Technical Guidelines (Standard) 6.8.3.1If 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	Store room discharged directly into the exit stair enclosures. Location: Building-8	Openings from exit enclosure to storage shall be provided with a vestibule with fire rated construction and openings. Provide a 2 hr. fire rated door on the exit stair side and a 1- hr. fire rated door on the storage side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 Months
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F-3	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies due to Electric cable shaft. Location: Building-8	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by fire rated materials to maintain the fire resistance rating. or, Provide a minimum 3-hr fire rated shaft to separate the BBT shaft & toilet area from each floor.	Within 3 Months
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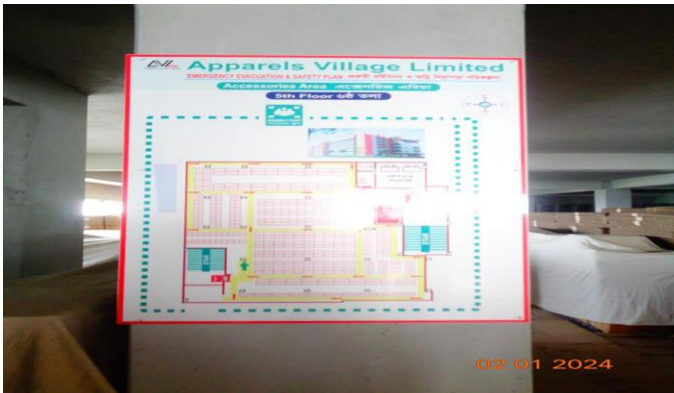
F-4	Fire-Rated Construction	The discharge path of Stair-2 is less than 10ft wide and is not separated from the Power generation Building.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft, to provide a minimum 1-hr fire separation. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 3 months
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F-5	Mean of Egress	A single means of exit has been provided at Building-9 (ETP)	Provide additional exit according to RSC Technical Guidelines StandardV1.0 6.6.2	Within 3 Months
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F-6	Means of Egress	Building did not have stair designation signs at required locations.	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.	Within 1 Month
F-7	Means of Egress	Building did not have occupant load signs at the required locations.	Provide stair designation signs and occupant load signs at the required locations.	Within 1 Month

F-8	Means of Egress	Aisles mark is not provided of Building-8	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.) as per evacuation map.	Within 1 Month
 				
F-9	Means of Egress	Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.). Location: Building-8 & Building-9	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 1 Month



F-10	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on all floors.	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 1 Month
F-11	ITM of Emergency light and Exit Sign	Inspection, testing, and maintenance for the exit sign and emergency lighting system is not in accordance with The RSC Technical standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC Technical standard. Keep written records on-site.	Within 1 Month after installation

F-12	Egress Lighting	Illuminated directional signs are not provided where direction of the path of travel to an exit has changed.	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.	Within 1 Month
F-13	Fire Alarm and Detection System (FADS)	The Buildings are equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupants.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72. Complete the fire alarm installation as per NFPA 72. Submit drawings, testing records, equipment certification and other relevant documentation to the RSC prior installation for review prior installation/modification. Design & Installation of Fire Alarm system shall be in accordance with RSC standard and NFPA 72. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Design Review within 2 months and installation within 4 months.



F-14	Inspection, Testing and Maintenance of FADS.	Inspection, testing and maintenance for the fire detection and alarm system is not in accordance with standard.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with Table-14.3.1 of NFPA 72.	Within 1 Month (after installation)
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F-15	Fire Protection System(Standpipe)	The highest occupied floor of building is more than 10 m (33 ft.) and less than 23 m above grade where standpipe system is mandatory and the standpipe system is not installed in the building.	Provide Class-III standpipe system (Both a 40 mm connection with attached hose and a 65 mm connection) throughout the building in accordance with NFPA 14, 20,22 and 24. Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design Review within 2 months and installation within 4 months.
F-16	Fire Protection System(ITM of standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the standpipe system in accordance with NFPA 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month after installation.

F-17	Fire Protection System(ITM of fire pump)	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the fire pump in accordance with NFPA 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month (after installation)
F-18	ITM of Fire Extinguishers	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records onsite, in accordance with NFPA 10 and The RSC Technical Guidelines (Standard).	Within 1 Months