

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Ishayat Apparels Ltd

RSC ID: 24795

**ADDRESS: Sharmin Group, Narashingapur, Ashulia, Savar, Dhaka – 1341, Bangladesh.
23.93192, 90.30640**

**Other Factories: Sharmin Apparels Ltd ID 9613, Sharmin Fashions Limited. ID 10182, Sharaf Apparels Ltd ID
23228**



Inspected By: Ahammad Kabir, Md Kawsar Rubaiat & Muntasir Ahmed Nasif

Date: 18/10/2023

Fire Safety Inspection Report

Factory Name: Ishayat Apparels Ltd

Introduction:

Ishayat Apparels Ltd complex was surveyed for fire safety on 18 October 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.

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. Ishayat Apparels Building
2. Sub-Station
3. Medical Room
4. Pump Room
5. CCTV Control Room
6. Guard Room 1

Factory Address: Sharmin Group, Narashingapur, Ashulia, Savar, Dhaka - 1341, Bangladesh.

Points of contact:

1.

Name: Md. Shahidul Islam
Designation: Group General Manager (Compliance)
Contact No: 01713753809
Email: shahid@sharmingroup.com

2.

Name: Kazi Morshed Ali
Designation: Executive Director
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Email: morshed.ed@sharmingroup.com

Findings & Recommendations :

Factory Name: Ishayat Apparels Ltd

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:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
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F-1	Fire Rated Construction	<p>The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction. Location: Ishayat Apparels Building</p>	<p>The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer stories and a minimum of 2-hr. fire resistance rating for buildings 4 or more stories. Provide 0.75 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. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for building with 4 or more stories.</p> <p>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.</p> <p>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.</p>	Within 3 months
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F-2	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies. Location: Ishayat Apparels Building	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 by 3-hr fire rated listed/certified materials. The installation of such fire rated materials shall be following certified design.	Within 3 months
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F-3	Fire Rated Construction	Elevator shafts are directly open inside the floor through installed fire door. Location: Ishayat Apparels Building	Ensure minimum 1.5-hr fire rating for the doors of elevator shafts otherwise close the shafts area with 2-hr fire rated construction barrier and 1.5-hr fire rated doors.	Within 3 months
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F-4	Fire Rated Construction	Storage discharges directly into the exit stair discharge. Location: Ishayat Apparels Building: 1st floor and ground floor.	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
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F-5	Means of egress	Egress door serving 50 or more occupants but does not swing in the direction of egress travel.	Modify swing direction of egress doors to the direction of egress travel.	Within 3 months
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F-6	Means of egress	The width of the exit stair is less than 1.5 m (60 in.). Location: Stair no 5 and stair no 6	In new and interim construction and constructed stairs post 24 November 2013, stairs shall have a minimum width of 1.5 m (60 in.) for all industrial occupancies and 2.0 m(79 in.) for all assembly occupancies. For assembly use areas provided for prayer halls, dining halls and like areas that are for integral use by the factory workers, the minimum width for the primary occupancy use of the building shall be permitted to be used.	Within 3 months
F-7	Means of egress	Uneven path of travel and obstructions observed in the exit discharge. Location: West stair	Remove the obstructions and level the exit path to the public way.	Within 3 months



F-8	Means of egress	Penetrations within exit stair enclosures have been observed for various applications.	Penetrations into or through an exit stair enclosures are permitted only for the applications as recommended by RSC Technical Guidelines (Standard) Section 6.14.4 for required exit doors, sprinkler piping, standpipes, electrical raceway for fire alarm equipment, and electrical conduit serving the exit enclosure	Within 3 months
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F-9	Means of egress	Exit stairs serve more than 5 stories and do not have required reentry provisions on allfloors.	Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC technical guideline (standard) 6.8.3.1.	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.	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.	3 months

F-11	Egress Lighting	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-12	Means of egress	Exit sign not provided at exit.	Lighted exit signs shall be placed at entrance to an exit. Additional 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.	Within 1 month



F-13	Fire Alarm & Detection system	Fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standards).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review. Modification (if required) shall have to done as per the reviewed design and NFPA-72 with a listed Addressable Fire Alarm System. Upon approval & modification (if required) the factory shall inform RSC to conduct final testing and commissioning verification of the system for final acceptance.	Design Review within 2 months and modification within 4 months (if required).
F-14	Inspection Testing and Maintenance of Fire Alarm and Detection System (ITM)	Inspection, testing and maintenance for the fire detection and alarm system was 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 completed).
F-15	Fire Protection System (Sprinkler)	Sprinkler system installation requires detailed review to confirm compliance with NFPA 13, 14, 20, 22 and RSC Technical Guideline (Standard). Location: Ishayat Apparels Building.	Submit the fire pump, standpipe and sprinkler system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guideline (Standard) and NFPA 13, 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 Review within 2 months and installation within 4 months.



F-16	Inspection, testing, and maintenance of the Fire Pump (ITM).	Inspection, testing, and maintenance for the Fire pump is not in accordance with NFPA 25 or as per RSC Technical guidelines (Standard).	Inspect, test and maintain the fire pump & water system and keep written records on-site, in accordance with NFPA 25 or as per RSC Technical guidelines (Standard).	Within 1 Month after installation.
F-17	Inspection, testing, and maintenance of the Fire Pump (ITM).	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 or as per RSC Technical guidelines (Standard).	Inspect, test and maintain the fire pump & water system & standpipe system and keep written records on-site, in accordance with NFPA 25 or as per RSC Technical guidelines (Standard).	Within 1 Month after installation.
F-18	Inspection Testing and Maintenance of Portable Fire Extinguisher.	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.	3 months