

INITIAL FIRE SAFETY INSPECTION REPORT

IRIS FABRICS LIMITED (Extension Building)

RSC ID: 24209

ADDRESS: Zirani Bazar, Kashimpur, Gazipur

Geographical Coordinates of factory building: 23.999127287160277, 90.25117541017343

Other Factories: IRIS Fabrics Limited(in the premises)



Inspected By: Md. Rafat Arefin & Md. Anisuzzman

Date: 20-September -2021

Fire Safety Inspection Report

IRIS FABRICS LIMITED (Extension Building)

Introduction:

IRIS FABRICS LIMITED (Extension Building); complex was surveyed for fire safety on **20/09/2021** 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): Building 01-Dyeing & Printing

Factory Address: Zirani Bazar, Kashimpur, Gazipur

Points of contact:

1. Name: Mohammad Ahsan Halim ,
Designation: AGM- Admin, HR & Compliance ,
Contact No: 01817049518
Email: admin@irisgroupbd.com

2. Name: Ali Azam Miah ,
Designation: AGM- Maintenance ,
Contact No: 01844158802
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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:Findings & Recommendations


Sly 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.	Provide minimum 2-hr fire rated separation exit enclosure. Provide 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. 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 penetrations and openings are located in exit stair enclosures.	Seal all penetrations and openings in the wall of exit enclosure walls (full thickness of the wall) by fire rated materials to maintain the fire resistance rating.	Within 3 months
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F-3	Fire Rated Construction	<p>Areas used for storage of combustible materials are open to the surrounding occupancy which are not separated by fire rated construction.</p> <p>Location: Ground floor of Dyeing & printing building 01</p>	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Or, Where separate storage rooms are not feasible, Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. 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-4	Fire Rated Construction	<p>Penetrations through fire rated floor/ceiling assemblies are not properly sealed all floor of levels.</p> <p>Location: Electrical cable riser of Dyeing & printing building.</p>	<p>Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by minimum 3-hr fire-rated materials to maintain the required fire-resistance rating.</p> <p>Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor if required.</p>	Within 3 months
				
F-5	Fire Rated Construction	<p>The exit discharge path (Egress Court) was less than 10 ft wide and was not separated from the building interior.</p> <p>Location: North side of the building 01-Dyeing & printing</p>	<p>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 2-hr fire separation.</p>	Within 3 months



F-6	Means of Egress	The egress path along the means of egress has been interrupted by obstruction/storage and aisles are not marked at ground floor of building 01-Dyeing & printing	Means of egress shall be maintained continuously free and clear of all obstructions/storage. Or Aisles shall be provided with a minimum unobstructed clear- with of 0.9m (36 in).	within 1 month
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F-7	Means of Egress	<p>The exit discharge path are interrupted by obstruction/storage.</p> <p>Location: North side of the building 01-Dyeing &Printing</p>	Means of egress shall be maintained continuously free and clear of all obstructions	Within 1 month
				
F-8	Means of Egress	Storage are located on the inside of Exit stair.	Remove Storage from exit stairs.	Immediately



F-9	Means of egress	Egress gates with locking features are provided at several location north side exit discharge	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediately
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F-12	Fire Protection System (Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Design within 2 months, Install within 4 months.
				
F-13	Fire Protection	The fire pump set installation requires detailed review to confirm compliance with NFPA 20. (Provide proper documentations and listing certificates)	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Design within 2 months, Install within 4 months.



F-14	Fire Protection (Sprinkler)	Automatic sprinkler system installation requires detailed review to confirm compliance with NFPA 13.(Sprinkler based fire alarm system has been installed in the factory building)	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Design within 2 months, Install within 4 months
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