

INITIAL FIRE SAFETY INSPECTION REPORT

Teen Age Modern Fashion - Extension

RSC ID: 24666

Purbohati, Hemayetpur, Savar, Dhaka-1340

Geographical Coordinates of factory building: 23.786503, 90.261597

Other Factories: Teen Age Modern Fashion-ID: 11925



Inspected By: Dilip Kumar Mondal and Nainin Nowrose

Date: 05 September-2023

Fire Safety Inspection Report

Teen Age Modern Fashion - Extension

Introduction:

Teen Age Modern Fashion - Extension Complex was surveyed for fire safety on 05 September 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): There are total 8 structures in the premises under this ID. Those are :

1. RCC Production Building-2 (G+ 5 Storied),

Design Approved by Union Parishad 10 September 2018

Construction Period Interim.

Total area of the building-2: 64465 sft.(per floor: 10474 sft)

2. Fire Command & Pump Room

3. Child Care, Doctors & Rest House

4. Utility Building

5. Mosque & Staff Dining, Shed-1

6. Worker Dining, Shed-3

7. Fair Shop & Security Room, Shed-4

8. Fabric & Accessories Warehouse, Shed-5

Note: Production Building-1 for Teen Age Modern Fashion-ID:11925

Factory Address: Purbohati, Hemayetpur, Savar, Dhaka-1340

Points of contact:

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Additional Information:

Apart from the Production Building-2, the factory complex also contains three (3) separate ancillary buildings & four (4)sheds.

1. Fire Command & Pump Room: It is a two storied RCC building. This building is used for following purposes:

Ground Floor: Fire Pump room

1st Floor: Fire Control Panel room

Construction date for this building is Jan, 2017- May, 2017.

2. Child Care, Doctors & Rest House: It is a single storied RCC building. Construction date for this building is May, 2018-Oct, 2018.

3. Utility Building: It is a single storied RCC building. Construction date for this building is May, 2018-Aug, 2018.

4. Mosque & Staff Dining, Shed-1: Construction date for this shed is May, 2018-July, 2018.

5. Worker Dining, Shed-3: Construction date for this shed is Dec, 2012-Jun, 2023.

6. Fair Shop & Security Room, Shed-4: Construction date for this shed is Jun, 2022-July, 2022.

7. Fabric & Accessories Warehouse, Shed-5: Construction date for this shed is Dec, 2022-Jun, 2023.

Table-1: Finding & recommendation

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Exit-1 from stair-1 was not discharge directly to the exterior of the building on ground floor.	Exits shall discharge directly to the exterior of the building. The exit discharge shall be at grade or provide direct access to grade. Exit discharge shall not reenter a building in accordance with RSC Technical Guideline (Standard)-6.17.	Within 3 months
 				
F-2	Fire Rated Construction	Elevator shafts are directly open into the inside of Stair-1.	For new construction, elevators shall not open into an exit enclosure as per RSC-6.14.3. So, separate the stair enclosure from elevator shaft throughout the building.	Within 3 month



F-3	Fire-Rated Construction	Openings from exit enclosures to storage areas was not provided with vestibules on ground, 1st and 2nd floor.	Openings from exit enclosures to storage areas, basements, transformer rooms, generator rooms, boiler rooms, and similar normally unoccupied spaces shall be provided with vestibules in accordance with RSC Technical Guideline (Standard)-6.14.3.	Within 3 months
 				

F-4	Means of Egress	Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.).	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months
				
F-5	Fire Rated Construction	Kitchen and Mosque were not fire-rated separated on ground floor Shed-3.	Each portion of a building or structure shall be classified individually according to Section 3.3. When a building contains more than one occupancy, the building or portion shall comply with the applicable requirements in accordance with RSC Technical Guideline (Standard) of 3.4.2, 3.4.2.1.10, or 3.4.4.	Within 3 months



F-6	Fire Rated Construction	Liquefied or compressed gas cylinders were located within the factory. Location: Kitchen Shed-3.	LPG/CNG cylinders are permitted to be stored in a separate dedicated building on the factory premises within its boundaries if the building meets the following conditions. 1. The storage building must be at least 3 meters away from any other building and boundaries. 2. The exterior walls of the building must have a fire resistance rating of 3 hours using noncombustible construction. 3. Doors and other openings in the exterior walls must be protected with suitable closing devices having a fire protection rating of 3 hours. 4. The building is to be used for no other purpose than the storage of LPG/CNG cylinders. 5. The building must be mechanically ventilated to control the accumulation of flammable vapors. 6. The installations must be approved and accepted by the requirements of the AHJ, Gas supply company regulations, manufacturers/supplier's instructions/guidance, CIOB and all other applicable agencies, codes and standards.	Within 1 month
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F-7	Egress Lighting	Illuminated directional signs are not provided where direction of the path of travel to an exit has changed. Location: several floor	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-8	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC standard. Keep written records on-site.	Within 3 months

F-9	Fire Alarm & Detection System (FADS)	Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standards.	Design & Installation of Fire Alarm & Detection system shall be in accordance with RSC standard and NFPA 72. Submit as-built design, documents and calculations to RSC for review prior installation/modification. 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-1 Month, Modification if required-3 Months
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F-10	Fire Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72.	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-11	Fire Protection System(Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and RSC standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design-1 Month, Modification if required-3 Months
				
F-12	Fire Protection System(ITM of standpipe)	Inspection, testing, and maintenance for the fire pump and standpipe system is not in accordance with NFPA 14, 20 and 25 or as per RSC standard.	Inspect, test and maintain the fire pump and standpipe system, and keep written records on-site, in accordance with NFPA 14, 20 and 25 or as per RSC standard.	Within 1 month after installation.
F-13	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per RSC standard.	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per RSC standard.	Within 1 month