

INITIAL FIRE SAFETY INSPECTION REPORT

Epoch Garments Ltd (Extension)

RSC ID: 24778

DHOLADIA BAZAR, VAWAL RAJABARI, SREEPUR, GAZIPUR BANGLADESH.

Geographical Coordinates of factory building: 24.100115, 90.471121

Other Factories: Epoch Garments Ltd (ID-23921)



Inspected By: Nainin Nowrose

Date: 10 December 2023

Fire Safety Inspection Report

Epoch Garments Ltd (Extension)

Introduction:

Epoch Garments Ltd (Extension) Complex was surveyed for fire safety on **10/12/2023** 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 five (05) structures in the premises under this ID-24778. They are :

1. Admin Building, 4 Storied RCC Building with Roof Top Dining Shed (Partially 5 story):

Construction: Oct, 2017 to Jul, 2019 & Occupied: Jan, 2020

Construction approved by LGED, Sreepur, Gazipur on 11 Mar 2020

Construction Period: Interim.

Per Floor area: 699 sqm (approx.)

2. Boiler Room, Single storied RCC:

Construction: Sep, 2023 to Dec, 2023 & Occupied: Dec, 2023

Construction Period: Interim.

Floor area: 63 sqm (approx.)

3. Fire Pump Room, Single storied shed building:

Construction: Nov, 2018 to Dec, 2018 & Occupied: Dec, 2018

Construction Period: Interim.

Floor area: 442 sqft (approx.)

4. Security & RMS Room, Single storied RCC:

Construction: Nov, 2015 to Nov, 2015 & Occupied: Dec, 2015

Construction Period: Interim

Total area: 442 sqft (approx.).

5. Jhoot Godown, Single storied Shed building:

Construction: Jan, 2017 to Jan, 2017 & Occupied: Feb, 2017

Construction Period: Interim.

Total area of the shed: 425 sqft (approx.).

Factory Address: DHOLADIA BAZAR, VAWAL RAJABARI, SREEPUR, GAZIPUR BANGLADESH.

Table-1: Finding & recommendation

Sl No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The main structural elements of the the shed at roof top of Admin Building are constructed by steel which is non-rated and were found in exposed condition without any fire protection. (Interim Structure). Location: Roof top of Admin Building.	Interim building shall be type-1 or type-2 construction as per Table 3.2.4 of BNBC-2006. Provide required fire rating on the structural elements by following Section 4.4 and Table 4.4.1 of the RSC Technical Guidelines Standard or Table 3.3.1 and Table 4.1.1 from BNBC Part 4. Consult a qualified fire protection engineer to design the rated construction barriers in between two floors and in structural members.	Within 6 months
				

F-2	Fire Rated Construction	Store room discharged directly into the exit stair enclosures. Location: Ground and 1st floor of Admin Building.	Openings from exit enclosure to storage room, generator and hazard 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, substation room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
 				

F-3	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies due to passing BBT riser and pvc toilet pipe.	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation at least by 3-hr. The used sealer shall be 3rd party certified and installation shall be as per manufacturer's guideline. (Type-1 Construction). or, Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required. (Type-1 Construction).	Within 3 months
 				

F-4	Means of Egress	Electrical DB was found at exit stair enclosure-1.	Remove all electrical panel or board from exit stair.	Within 1 month
				
F-5	Means of Egress	Building did not have stair designation signs at required locations at all floors.	Provide stair designation signs at required locations.	Within 1 month

F-6	Means of Egress	Adequate aisles marking was not found in the Admin Building.	Provide minimum aisle widths of 36 inch with proper marking & update on evacuation map.	Within 1 month
				
F-7	Fire Alarm & Detection System (FADS)	Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review. Once reviewed, install or modify the fire detection and alarm system (where required) throughout the building in accordance with RSC technical guidelines (standard) and NFPA 72. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design Review within 2 months and modification within 3 months (If require).

				
F-8	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.

F-9	Fire Protection System(Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and RSC standards.	Submit the standpipe 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 14 and 20. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design Review within 2 months and modification within 3 months (If require).
 				

F-10	Inspection, testing, and maintenance of the Fire Pump (ITM).	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 20 or as per RSC Technical Guideline (Standard).	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20 or as per RSC Technical Guideline (Standard).	Within 1 Month after installation.
F-11	Fire Protection System(ITM of Standpipe)	Inspection, testing, and maintenance for the standpipe system is not in accordance with NFPA 25 or as per RSC standard.	Inspect, test and maintain the standpipe system in accordance with NFPA 25 or as per RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month after installation.