

INITIAL FIRE SAFETY INSPECTION REPORT

Green Smart Shirts Ltd (Extension)

RSC ID: 24552

ADDRESS: Tapirbari, Mawna, Sreepur, Gazipur

Other Factories: Green Smart Shirts Ltd (ID-23220)(In this premise)



Inspected By: Ahammad Kabir & Md. Anisuzzaman

Date: 18th September 2023

Fire Safety Inspection Report

Green Smart Shirts Ltd (Extension)

Introduction:

Green Smart Shirts Ltd (Extension); complex was surveyed for fire safety on **18/09/2023** 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): Factory Building name(s): There are 5 structures under this ID-24552 which are below

1. Single Storied Finished Goods Warehouse Steel Structure(Construction: Start Date : 01/12/ 2017 to 20/12/ 2018 & Occupied: 1/1/2019, Total area 1780 sqm)
2. Single Storied Raw Materials Warehouse Steel Structure.(Construction: Start Date : 01/12/ 2017 to 20/12/ 2018 & Occupied: 1/1/2019, Total area 1371 sqm)
3. Single Storied After Wash Shed Steel Structure(Construction: Start Date : 01/12/ 2017 to 20/12/ 2018 & Occupied: 1/1/2019, Total area 185sqm)
4. Gate House(Construction: Start Date : 01/12/2017 to 20/12/2018 & Occupied: 1/1/2019,total area 460 sqm)
5. STP

Factory Address: Tapirbari, Mawna, Sreepur, Gazipur

Points of contact:

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2. Name: Mst. Khadiza Begum,
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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.

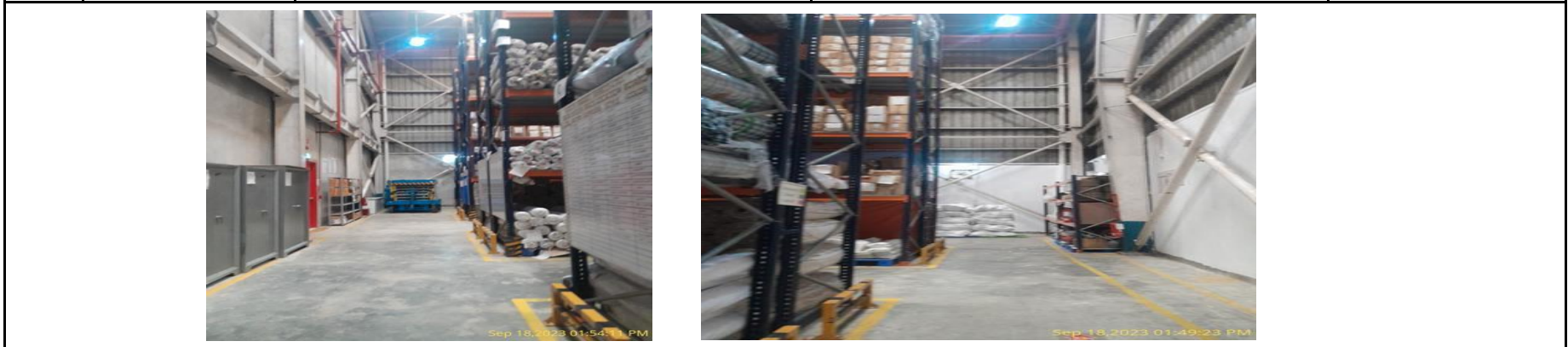
An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the RSC for approval

Table-1: Finding & recommendations for all building.

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire rated construction	Store room is not separated by fire rated construction due to unprotected opening & penetrations Location: Finished goods warehouse & Raw materials warehouse.	Enclose the storage area from the surrounding occupancy with a minimum 1 hour fire rated construction.	Within 3months



F-2	Fire Rated Construction	<p>The constructed building is steel construction which appears to be nonrated and were found in exposed condition.</p> <p>Location: Finished goods , Raw materials warehouse & after wash shed.</p>	<p>The building is a new steel structure which shall be type-I or II construction. So, provide require fire rating in the structural elements of the building. Consult with a qualified fire protection engineer. Follow BNBC 2006-Table 3.2.4, 3.1.9 and 3.3.1 as reference.</p>	Within 6months
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F-3	Egress lighting	Exit sign not provided at exit.	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 1month
F-4	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 1month
F-5	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.	Within 2 month

F-6	Fire Alarm & Detection System (FADS)	Addressable fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard.	<p>Submit design, documents and calculations to RSC for review prior and based on the review modify the system if there is any.</p> <p>After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation.</p> <p>Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.</p>	Design Review within 1 month and modification within 3 months (If require).
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F-7	Fire alarm & Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per RSC standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 (Table-14.3.1) or as per RSC standard.	Within 1 Month after modification (If require).
F-8	Fire Protection System (Sprinkler System)	Based on the type of structures and height of the buildings sprinkler system is not required but they installed it in lieu of detector so it is required to ensure compliant as per NFPA-13. Proposed design of Automatic Sprinkler System was not reviewed by the RSC.	Submit the sprinkler system drawing to RSC for review. Once the design is reviewed, install and modify (if required) the sprinkler system throughout the building in accordance with review comment, RSC Standard and NFPA 13, 20, 22 and 24. After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing. Note: If the system is omitted then compliant detection system shall be ensured for the building following RSC Technical Guideline (Standard)-V1.0.	Design Review within 1 month and modification within 3 months (If require).

				
<p>F-9</p>	<p>ITM of Protection System(SUPS)</p>	<p>Inspection, testing, and maintenance for the fire pump & sprinkler system is not in accordance with NFPA 25 or as per RSC standard.</p>	<p>Inspect, test and maintain the fire pump & sprinkler system and keep written records on-site, in accordance with NFPA 25 or as per RSC standard.</p>	<p>Within 1 Month after modification(If require).</p>