

INITIAL FIRE SAFETY INSPECTION REPORT

Max Sweater (Bd) Ltd (Extension)

RSC ID: 24538

24,26 DIGHI BORABO,TARABO, Rupgonj, Narayangonj

Geographical Coordinates of factory building: 23.731582554394034, 90.5186856114599

Other Factories: Max Sweater (Bd) Ltd (RSC ID:10149)



Inspected By: Mohammad Anayet Hossain and Yusuf Ahmed

Date: 22 May-2023

Fire Safety Inspection Report

Max Sweater (Bd) Ltd (Extension)

Introduction:

Max Sweater (Bd) Ltd (Extension) complex was surveyed for fire safety on **22 May-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) in this ID:24538


1. Shed-4: Single Story Knitting Shed
2. Shed-9: Single Story Store Shed
3. Shed-10: Single Story Medical & Childcare Shed
4. Shed-13: Fire Pump Room
5. Shed-14 to 18: Single Story Winding & Knitting Shed
6. Shed-19: Single Story Office Shed
7. Shed-20: Single Story Boiler Shed

Factory Address: 24,26 DIGHI BORABO,TARABO, Rupgonj, Narayangonj.

Findings & Recommendations :

Table 1 summarizes the major fire safety issues identified during the inspection of main building. 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 review.

Table-1:				
SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Fire Rated Construction	Room used for combustible storage are not separated by fire rated construction. Location: Shed-19	Separate the storage room by a minimum 1- hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
				
F-02	Fire Rated Construction	Store Shed-9 was not separated by fire rated construction from Shed-10 (Less than 10 feet from Shed-10). Store Shed-17 is not fire separated from Knitting Shed-16.	Separate the storage room by a minimum 1- hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
 				

F-03	Fire Rated Construction	<p>Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Shed-4 and Shed-14 to 18</p>	<p>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. or 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction. 	Within 1 month
				
F-04	Fire Rated Construction	The compressor room is not separated by fire rated construction.	Separate the compressor room by a minimum 1-hr fire rated construction. Seal and/or protect all openings to maintain fire separations	Within 3 months



F-05	Fire Rated Construction	The main structural element of the Shed-14 to 18 is constructed by steel which is non-rated and were found in exposed condition without any fire protection	The building shall be type-I or II construction. So, provide required rating in the structural elements of the building. Consult with a qualified fire protection engineer. Follow BNBC 2006-Table 3.3.1, 3.2.4 & 3.1.9.	Within 6 months
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F-06	Fire Alarm & Detection system	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and in accordance with The RSC Technical Guidelines (Standard).	Submit as build drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Within 3 months
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F-07	ITM of Fire Alarm & Detection system	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 NFPA 72	Within 1 month
F-08	ITM of Fire Extinguishers	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.	Within 1 month
F-09	Egress Lighting	Manual on-off switch is provided for [emergency lighting / exit signage] units. Locations: Shed-19	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 month
F-10	Emergency light and Exit Sign	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location-Shed-19, Shed-4 & Shed-14 to 18	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 1 month
F-11	ITM of Emergency light and Exit Sign	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC Technical Guidelines (Standard). Keep written records on-site.	Within 1 month