

# INITIAL FIRE SAFETY INSPECTION REPORT

## Cotton Dyeing & Finishing Mills Ltd.- Central Store Shed

**Factory ID: 24301**

**Vill: Amtoli Union, 10 No. Habirbari P.O.: Seed Store Bazzar Thana: Valuka, Mymensingh**

**Google Coordinate: 24.315189, 90.384651**

**Other Factories: None**



**Inspected By: Nirmal Chandra Sinha**

**Date: 17 January 2021**

## Introduction:

**Cotton Dyeing & Finishing Mills Ltd.- Central Store Shed** complex was surveyed for fire safety on **17/01/2022** 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.

Table 1 summarizes the major fire safety issues identified during the inspection. 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 approval.

**Table-1 Findings & Recommendations:**

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	The exit stair from mezzanine floor is not separated from store on ground floor by fire-rated construction. During inspection it was observed that the factory has installed fire doors at store exit without door closure.	<p>Submit installed fire rated door documents to the RSC for review. Provide minimum 1.5-hr fire rated doors and seal all unprotected openings 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.</p> <p>If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.</p>	Within 3 months



2	Fire Rated Construction	The newly constructed buildings are not fire rated construction.	Newly construction building shall be Type-1 & Type-2 construction in accordance with Accord building standard 3.5.2.1 and BNBC part-2 Table-3.2.4. Provide fire-resistive rated construction barriers following Section 4.4 and Table 4.4.1 of the Accord 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.	Within 6 months
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3	Fire Detection & Alarm System	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, Installation within 9 months
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4	Inspection, Testing, and Maintenance of the Fire Detection & Alarm System	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 1 month (after complete installation of listed fire alarm system)
5	Egress	Common path of egress travel exceeds limit in the central store building on the ground floor.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 23 m (75 ft.) or 30 m (100 ft.). Common path of travel distance shall be in accordance with the Accord standard 6.13.2.	Within 3 months

6	Inspection, testing, and maintenance of Fire Extinguisher	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 3 months
7	Inspection, testing, and maintenance of Emergency light and Exit Sign	Inspection, testing and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in the accordance with the standard. Keep written records on-site.	Within 3 months