

# FIRE SAFETY INSPECTION REPORT

**Factory Name: Saadatia Sweaters Ltd(New)**

**ACCORD ID: 23191**

**ADDRESS:**

**Diakhali, Mollabazar, Ashulia, Savar  
23.933624, 90.287421**

**Other Factories: None**



**Inspected By: Mahfuza Khanom , Kazi Raian Mahmood**

**Date: 12 June, 2018.**

# Fire Safety Inspection Report

**Factory Name: Saadatia Sweaters Ltd (New).**

## Introduction:

**Saadatia Sweaters Ltd. (New)** complex was surveyed for fire safety on 12/06/2018 by The Accord 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 Accord. 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 Accord 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): Saadatia Sweaters Ltd. (New)**

**Factory Address: Diakhali, Mollabazar, Ashulia, Savar**

### Points of contact:

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## Findings & Recommendations :

The following "Table" 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 Accord for approval.

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	<b>Fire Rated Construction</b>	Exit stairs are not completely separated from other occupancy by fire rated assemblies. Fire door has been installed. Fire doors were open by non-mechanical means ( <b>without automatic-closing devices interfaced to the fire alarm system</b> ). <b>Location: Main Building &amp; Service Building</b>	Complete the separation work of the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr fire rated construction. Provide minimum 1.5- hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation. Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system. And The factory have to provide Certificate/Listing documents of existing fire doors to Accord for review.	<b>Within 3 months</b>





Sl No.	Category	Findings	Required Action	Remediation Time Frame
				



SI No.	Category	Findings	Required Action	Remediation Time Frame
2	<b>Fire Rated Construction</b>	Penetrations through floor/ceiling assemblies are found unsealed. Fire door has been installed for BBT riser room. Fire doors were open by non-mechanical means (without automatic-closing devices tied to the fire alarm system)	<p>Seal all penetrations and openings in the wall of exit enclosure walls (full thickness of the wall) by fire rated materials to maintain the fire resistance rating. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.</p> <p>Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.</p>	<b>Within 3 months</b>



Sl No.	Category	Findings	Required Action	Remediation Time Frame
				
3	Fire Rated Construction	<p>Rooms used for storage of combustible materials are not separated from exit stair enclosure.</p> <p><b>Location: Main building: Ground floor (Finished goods store &amp; Yarn store), 2nd floor (Yarn store) &amp; 4th floor (Prayer area with storage), Service building: General store</b></p>	<p>Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.</p>	<p><b>Within 3 months</b></p>




Sl No.	Category	Findings	Required Action	Remediation Time Frame
				





SI No.	Category	Findings	Required Action	Remediation Time Frame
4	<b>Fire Rated Construction</b>	Areas used for in-process storage of combustible materials are open to the surrounding occupancy.	<p>Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> <li>1. General Condition: Maximum height of 2.4m and maximum area of 23m<sup>2</sup>. Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</li> <li>2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m<sup>2</sup>. Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</li> </ol> <p>or</p> <ol style="list-style-type: none"> <li>3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.</li> </ol>	<b>Within 3 months</b>





Sl No.	Category	Findings	Required Action	Remediation Time Frame
		 <p>12.06.2018 12:02</p>	 <p>12.06.2018 12:30</p>	
5	<b>Fire Rated Construction</b>	Unsealed elevator shafts are located inside the working place at all floors of Main Building. Factory has installed fire rated door but interfacing of fire door has not been done.	Provide a minimum 2-hr fire-rated elevator shaft to separate from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation.	<b>Within 3 months</b>




SI No.	Category	Findings	Required Action	Remediation Time Frame
				
6	<b>Fire Rated Construction</b>	Corridor(s) serving more than 30 occupants is not separated by fire rated construction. <b>Location: Ancillary building</b>	1. Separate the corridor by a minimum 1-hr fire rated construction. Or 2. Provide automatic sprinkler system throughout the story as per NFPA 13.	<b>Within 3 months</b>



SI No.	Category	Findings	Required Action	Remediation Time Frame
				
7	<b>Fire Rated Construction</b>	<p>The factory is using/storing liquified gas cylinders without proper separations.  <b>Location: Service Building</b></p>	<p>Remove them from the factory building.  or  Provide 2-hr rated room for using/storing liquefied gas cylinders.</p>	<p><b>Within 3 months</b></p>




SI No.	Category	Findings	Required Action	Remediation Time Frame
				
8	Egress	<p>Doors along means of egress are provided with non compliant locking system.  <b>Location: Ancillary building</b></p>	<ol style="list-style-type: none"> <li>1. Remove all non compliant locking features from egress doors.</li> <li>2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</li> <li>3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons.</li> <li>4. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons.</li> </ol>	Immediate





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9	Egress	<p>Parapets or guards are not provide in occupiable roof.  <b>Location: Ancillary building</b></p>	<p>Provide parapets or guards with a minimum height of 1067mm (42 inch.).</p>	<p><b>Within 3 months</b></p>



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10	<b>Fire Detection &amp; Alarm System</b>	<p>The fire detection system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.            Note: Installation of addressable fire alarm system is going o without having approval from AHJ.</p>	<p>Replace the fire detection system with a new, listed addressable fire detection system in accordance with NFPA 72.</p>	<p><b>Design within 2 months, Install within 6 months</b></p>



SI No.	Category	Findings	Required Action	Remediation Time Frame
				
11	<b>Fire Detection &amp; Alarm System (ITM)</b>	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 or as per Accord standard.	<b>Within 3 months</b>




Sl No.	Category	Findings	Required Action	Remediation Time Frame
12	<b>Fire Protection</b>	Fire pump, water supply & standpipe system installation requires detailed review to confirm compliance with NFPA 14, 20, 22, 25 and ACCORD standards.	Submit as built drawings, testing records, listing information and other relevant documentation to the ACCORD for review and approval, modification shall have to done as per the reviewed design (if required).	<b>Design within 2 months, Install/Modify within 6 months</b>





SI No.	Category	Findings	Required Action	Remediation Time Frame
13	<b>Fire Protection (ITM)</b>	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14 and ACCORD standards.	<b>Within 3 months</b>
14	<b>Fire Protection (ITM)</b>	Inspection, testing, and maintenance for the fire extinguishers is not in accordance with NFPA 10 or as per Accord standard.	Inspect, test and maintain the fire extinguishers, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	<b>Within 1 month</b>



Sl No.	Category	Findings	Required Action	Remediation Time Frame
				
15	Egress Lighting	Exit sign not provided at exit. <b>Location: Store rooms in ground floor (Main building) &amp; Ancillary building exits</b>	Provide exit signs above all exits to the exterior and all doors to the exit stair	<b>Within 1 month</b>



SI No.	Category	Findings	Required Action	Remediation Time Frame
				
16	<b>Egress Lighting</b>	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.	<b>Within 3 months</b>



SI No.	Category	Findings	Required Action	Remediation Time Frame
17	<b>Egress Lighting</b>	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.	<b>Within 3 months</b>



SI No.	Category	Findings	Required Action	Remediation Time Frame
18	<b>Egress Lighting (ITM)</b>	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	<b>Within 3 months</b>

