

# INITIAL FIRE SAFETY INSPECTION REPORT

**Factory Name: Azmeri Composite Knit Ltd (Extension Buildings)**

**Factory ID: 24253**

**ADDRESS: H199, Fayedabad, Uttarpa, Uttara, Dhaka-1230**

**Other Factories: Azmeri Composite Knit Ltd (11361)**



**Inspected By: Mohammad Atick Al Zaman & Md. Khalaquzzaman**

**Date: 25.10.2021**

# Fire Safety Inspection Report

**Factory Name: Azmeri Composite Knit Ltd (Extension Buildings)**

## **Introduction:**

Azmeri Composite Knit Ltd (Extension Buildings) was surveyed for fire safety on 25 October, 2021 by The RSC Inspection Team. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this 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

## Findings & Recommendations :

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 review/approval.

**Table-1:**

| SI No. | Category                | Findings                                                                                                                                                                                                              | Required Action                                                                                                                                                                                                                                                                                                                                                                                                          | Remediation Time Frame |
|--------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 1      | Fire Rated Construction | <p>The shed is newly constructed where structural members are constructed by steel (except columns) and have been found in exposed condition without any fire protection.</p> <p>Location : Building-3, 4 &amp; 5</p> | <p>New constructed 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 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 in between two floors and in structural members.</p> | Within 6 months        |



|   |               |                                                                                                        |                                                                                                                                                                                                             |                 |
|---|---------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 2 | Doors & Gates | <p>Sliding type doors have provided along means of egress.</p> <p>Location : Building-3, 4 &amp; 5</p> | <p>Replace all sliding type doors &amp; gates by the side-hinged swinging type doors.</p> <p>If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</p> | Within 1 months |
|---|---------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|



|   |                               |                                                                                                                               |                                                                                                                                        |                                                                            |
|---|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 3 | Evacuation Map                | The fire evacuation map has not been posted at all exit stair entrances and needs to be corrected with the current situation. | Fire evacuation maps shall be posted at the entrance to each exit stair and evacuation maps need to be modified correctly.             | Within 1 months                                                            |
| 4 | Fire Alarm & Detection System | Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards           | Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval | Design within 2 months, Install within 4 months (If modification required) |



|   |                                                                         |                                                                                                      |                                                                                                                                             |                 |
|---|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 5 | Fire Detection System( ITM of FADS)                                     | Inspection, testing, and maintenance for the fire detection system is not in accordance with NFPA 72 | Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72. (After installation)    | Within 3 months |
| 6 | Inspection Testing and Maintenance of Portable Fire Extinguisher. (ITM) | 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 and ACCORD standards | Within 3 months |

|   |                                                                              |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                 |                 |
|---|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 7 | Inspection, testing, and maintenance of the emergency lighting system (ITM). | 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 ACCORD standard. Keep written records on-site.                                                                                                                                                                                              | Within 3 months |
| 8 | Egress lighting                                                              | Exit sign and Directional Sign are not provided at and towards exit at several floors                                 | Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated. | Within 1 month  |

|   |                           |                                                                                                                                      |                                                                                                                                                                                                                                                                                                                     |                 |
|---|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|   |                           |                                                     |                                                                                                                                                                                                                                  |                 |
| 9 | Emergency Egress Lighting | Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. | <p>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.</p> | Within 3 months |