

# INITIAL FIRE SAFETY INSPECTION REPORT

**Factory Name: Fakir Knitwears Ltd (Extension)**

**RSC ID: 24608**

**ADDRESS: Kayempur, Fatullah, Narayngonj-1420  
23.64084, 90.50609**

**Other Factories: Fakir Knitwears Ltd-9487, Fakir Eco Knitwears Ltd.**



**Inspected By: Mohammad Anayet Hossain and Md. Musa**

**Date: 22-August-2023**

# Fire Safety Inspection Report

**Factory Name: Fakir Knitwears Ltd (Extension)**

## Introduction:

RSC ID: 24608

Fakir Knitwears Ltd (Extension) complex was surveyed for fire safety on 22 August 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):

1. Shed-12, Seinging Shed
2. Shed-13, Acid Store

**Factory Address:** Kayempur, Fatullah, Narayngonj-1420

### Points of contact:

1.

Name: Sumon Kante Singha  
Designation: General Manager (HR & Compliance)  
Contact No: 01708803878, 01612282535  
Email: sumon.singha@fakirgroup.com

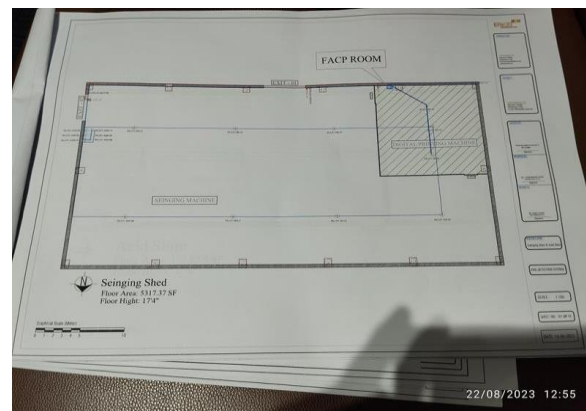
2.

Name: Md. Azizur Rahman Farazi  
Designation: Manager, Fire & Safety Dept.  
Contact No: 01737261680  
Email: marfarazi1976@gmail.com

### General Building Information- Shed-12, Seinging Shed

|                                                                |                                  |
|----------------------------------------------------------------|----------------------------------|
| Number of Stories Below / Above Grade                          | 0/1                              |
|                                                                |                                  |
| Highest Occupied Floor Level / Height                          | Single stories, peak height-18ft |
|                                                                |                                  |
| High Rise (RSC Technical Guidelines (Standard) V1-3.2.1)       | No                               |
|                                                                |                                  |
| Occupiable Roof (RSC Technical Guidelines (Standard) V1-3.2.2) | No                               |
|                                                                |                                  |

|                                                                                                            |               |
|------------------------------------------------------------------------------------------------------------|---------------|
| Occupiable Roof Provided with Adequate Parapets / Guards (RSC Technical Guidelines (Standard) V1-6.12.2.4) | N/A           |
| Occupancy Classifications                                                                                  | G2 (Garments) |
| Floor Plans Available                                                                                      | Yes           |



|                               |                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------|
| Date Of Construction          | Nov 2021- September 2022                                                                                         |
| Construction Period           | New                                                                                                              |
| Major Renovations / Additions | None                                                                                                             |
| Comments                      | Single storied pre-engineered steel building, approved by LGED on 9 September 2021, Floor area approx. 5315 sft. |

|                            |     |
|----------------------------|-----|
|                            |     |
| Other Tenants In Building  | No  |
|                            |     |
| Floors Occupied By Factory | Yes |

#### General Building Information- Shed-13, Acid Shed

|                                                                                                            |                                 |
|------------------------------------------------------------------------------------------------------------|---------------------------------|
| Number of Stories Below / Above Grade                                                                      | 0/1                             |
|                                                                                                            |                                 |
| Highest Occupied Floor Level / Height                                                                      | Single stories, Top height-11ft |
|                                                                                                            |                                 |
| High Rise (RSC Technical Guidelines (Standard) V1-3.2.1)                                                   | No                              |
|                                                                                                            |                                 |
| Occupiable Roof (RSC Technical Guidelines (Standard) V1-3.2.2)                                             | No                              |
|                                                                                                            |                                 |
| Occupiable Roof Provided with Adequate Parapets / Guards (RSC Technical Guidelines (Standard) V1-6.12.2.4) | N/A                             |
|                                                                                                            |                                 |
| Occupancy Classifications                                                                                  | J (Hazardous)                   |
|                                                                                                            |                                 |
| Floor Plans Available                                                                                      | Yes                             |



|                               |                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------|
| Date Of Construction          | Jan 2018- March 2018                                                                                             |
| Construction Period           | Interim                                                                                                          |
| Major Renovations / Additions | None                                                                                                             |
| Comments                      | Single storied pre-engineered steel building, approved by LGED on 13 November 2017, Floor area approx. 1613 sft. |
| Other Tenants In Building     | No                                                                                                               |
| Floors Occupied By Factory    | Yes                                                                                                              |

## 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 approval.

**Table-1:**

| SI No. | Category                             | Findings                                                                                                                       | Required Action                                                                                                                                         | Remediation Time Frame |
|--------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 1      | Fire Alarm & Detection System (FADS) | The fire alarm and detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard. | Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test. | Within 2 months        |







|                                                                                                                                                                                                                                                                 |                                      |                                                                                                                                                                                                   |                                                                                                                                                                                                           |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 2                                                                                                                                                                                                                                                               | Fire Alarm & Detection System (FADS) | Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with standard.                                                                                  | Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72.                                                                                            | Within 3 months |
| 3                                                                                                                                                                                                                                                               | Means of egress                      | Uneven path of travel and blockage in exit access.                                                                                                                                                | remove unnecessary items and level exit path to the public way.                                                                                                                                           | Within 2 months |
| <div style="display: flex; justify-content: space-around; align-items: center;">   </div>   |                                      |                                                                                                                                                                                                   |                                                                                                                                                                                                           |                 |
| 4                                                                                                                                                                                                                                                               | Fire Rated Construction              | The main structural element (Rafter) of the Shed-13 (Acid store) is constructed by steel which is non-rated and were found in exposed condition. The vertical load bearing column were found RCC. | The building shall be type-I or II construction. So, provide require rating in the structural elements of the building. Consult with a qualified fire protection engineer. BNBC 2006, Part 3, Table 3.3.1 | Within 6 months |
| <div style="display: flex; justify-content: space-around; align-items: center;">   </div> |                                      |                                                                                                                                                                                                   |                                                                                                                                                                                                           |                 |



|                                                                                    |                                |                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                             |                |
|------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 5                                                                                  | Fire Suppression System (SUPS) | 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 The RSC Technical Guidelines (Standard).                                                                                                                                                                                         | Within 1 month |
| 6                                                                                  | Egress Lighting                | Egress signage not illuminated properly at different location.                                                           | Regularly inspect all exit signage and replace/install lights as needed to illuminate signs. The source of illumination shall provide not less than 50 lux at the illuminated surface with a contrast of not less than 0.5. Approved self-luminous signs which provide evenly illuminated letters having a minimum luminance of 0.2 cd/m2 may also be used. | Within 1 month |
|  |                                |                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                             |                |
| 7                                                                                  | Egress Lighting                | Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with NFPA 10. | Inspect, test and maintain the exit sign and emergency lighting system in the accordance with RSC standard. Keep written records on-site.                                                                                                                                                                                                                   | Within 1 month |