

INITIAL FIRE SAFETY INSPECTION REPORT

Danys Knit wear Limited (Extension)

RSC ID: 26599

Geographical Coordinates: 23.97695, 90.312864

Address: Surabari, Kashimpur, Gazipur Sadar, Gazipur.

Other Factories: Danys Knit wear Limited (RSC ID: 12228)



Inspected By: Md. Rafat Arefin

Date: 16-April-2026

Fire Safety Inspection Report

Danys Knit wear Limited (Extension)

Introduction:

Danys Knit wear Limited (Extension) complex was surveyed for fire safety on 16-April-2026 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.

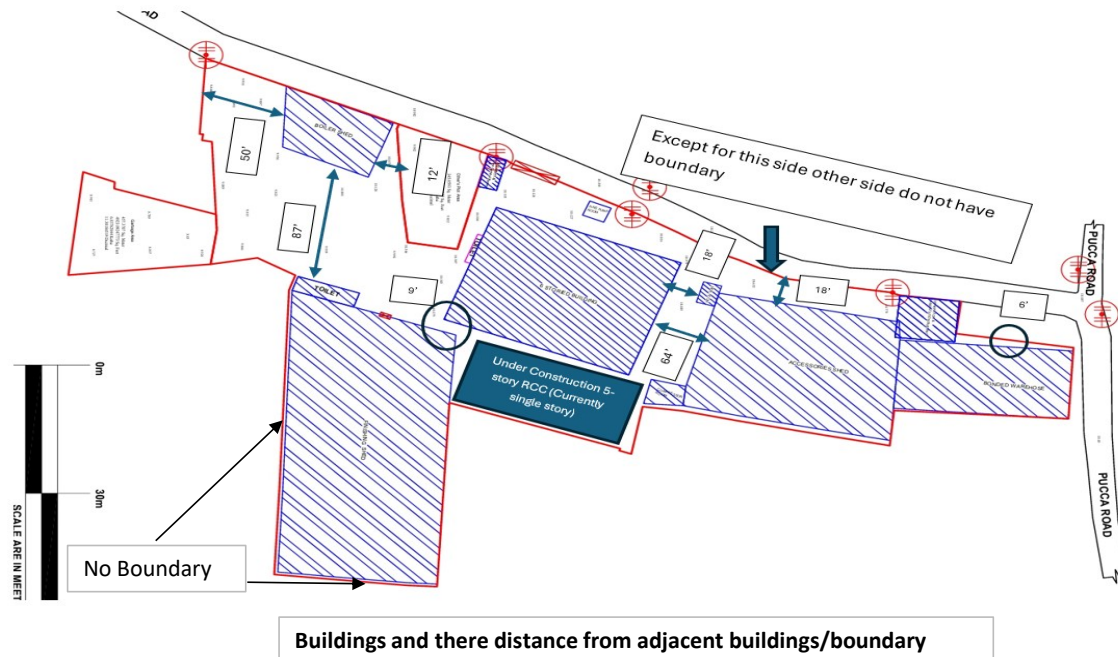
General Factory Information

Structures covered under this RSC ID-26599 are as follows:

SL No	Building Name	Building Area (Sq.ft)	Building Height (ft.)	Number of Stories	Building Construction Period	Approval Date & Authority	Occupied	Structure type	Construction Category
1	Shed 1: Wastage & Boiler Shed	3000	Peak- 23'-4"	G+0	Jun-2018 to Dec-2018	Gazipur Pourashava on 13-Dec-2012	Dec-2018	Steel	Interim
2	Shed-02: Finishing Shed	20500	Peak- 19'-11"	G+0	Jan-2019 to Nov-2019	Gazipur Pourashava on 13-Dec-2012	Dec-2019	Steel	Interim
3	Shed-03: Compressor Room	400	Peak-13'-6"	G+0	Feb-2016 to Sep-2016	Gazipur Pourashava on 13-Dec-2012	Nov-2016	Steel	Interim
4	Shed-04: MDB Room	205	Peak-12'	G+0	Feb-2016 to Sep-2016	Gazipur Pourashava on 13-Dec-2012	Nov-2016	Steel	Interim
5	Shed-05: Bonded Warehouse	6500	Peak-16'-9"	G+0	Feb-2017 to Sep-2017	Gazipur Pourashava on 13-Dec-2012	Nov-2017	Steel	Interim
6	Shed-06: Accessories Store	10527	Peak-20'-9"	G+0	Jan-2019 to Nov-2019	Gazipur Pourashava on 13-Dec-2012	Dec-2019	Steel	Interim
7	Building-03: Utility Building	1098	Peak-13'-11"	G+0	Jan-2019 to Nov-2019	Gazipur Pourashava on 13-Dec-2012	Dec-2019	RCC	Interim
8	Building-04: Pump Room	453	Peak-11'	G+0 (Semi-basement)	Mar-2017 to Jun-2017	Gazipur Pourashava on 13-Dec-2012	Oct-2022	RCC	Interim

Note 1: Although structural frames are different, The Shed 05 & Shed 06 are within a single fire compartment as such this report has been prepared considering a single structure.

Note 2: The "Ministry of Housing and Public Works" has issued a resolution based on the recommendations from the House Building Research Institute (HBRI) and the Public Works Department (PWD) to assess structural fire protection requirements of steel buildings (unprotected non-combustible construction type) according to BNBC 2020. The resolution indicates a retrospective application of BNBC 2020 to assess structural fire protection requirements of interim steel buildings. Since there is a government resolution and structural fire protection requirements of the unprotected non-combustible type of construction have been addressed by the BNBC 2020, the way forward BNBC 2020 could be followed for structural fire protection requirements of interim unprotected non-combustible construction types.



Factory Address: Surabari, Kashimpur, Gazipur Sadar, Gazipur.

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Findings & Recommendations :

Table-1 summarize 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.

Table-1: All Buildings

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Means of Egress	Aisles were found missing on several locations throughout the building. Location: Shed-2 Finishing Shed	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 1 Month



F-02	Means of Egress	Doors are swing out over stairs. <i>Note: Changes in level exceeding 535 mm (21 in.) in elevation shall meet the requirements for stairs in 6.9 or ramps in 6.10. As a result the stair is required to meet the change in elevation.</i> Location: Shed-2 Finishing Shed	A landing shall be provided on both sides of doors used in the means of egress to facilitate uninterrupted egress of occupants. Door shall not swing out over stairs. Landings with same width as the stair clear width shall be provided at each level and at intermediate landings.	Within 3 Months
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F-03	Means of Egress	Handrails are not provided on both sides of each exit stairs. <i>Note: Changes in level exceeding 535 mm (21 in.) in elevation shall meet the requirements for stairs in 6.9 or ramps in 6.10. As a result the stair is required to meet the change in elevation.</i> Location: Shed-2 Finishing Shed	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.). Open guards shall have intermediate rails or pattern such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.). Handrail shall construct in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.12.	Within 3 Months

									
F-04	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed. Location(s): Shed-2, Shed-5, Shed-6			Lighted exit signs shall be placed at entrance to an exit. Additional directional 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 at all times. Exit Sign shall provide in accordance with RSC Technical Guidelines (Standard) ¹ V1.0 Section 6.11.			Within 1 Month	

F-05	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location(s): Shed-2, Shed-5, Shed-6	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. Illumination on means of egress shall meet in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 10.12.2.	Within 3 Months
				

F-06	Means of Egress	Exit sign not provided at exit. Location(s): Shed 1: Wastage & Boiler Shed	Lighted exit signs shall be placed at entrance to an exit. Additional directional 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 at all times. Exit Sign shall provide in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.	Within 1 Month
				

F-07	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy . Location: Shed-2 Finishing Shed	Provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.45 m and maximum area of 23 m² and is separated by a minimum 3.0 m (10ft) from other storage areas and they do not exceed 10 percent of the building area of the story in which they occur. Or Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 1 Month
				

F-08	Fire Rated Construction	The required fire separation distance does not comply with the requirements of BNBC 2020. Location(s): Shed-1 (Exposure: East- Open Space; West: Public road without boundary, South: Open Space, North: Other's Properties)	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2020 Part 3 Table 3.2.2 & 3.2.3 and BNBC 2020 Part 3 Section 2.4.1.3.	Within 6 Months
				

F-09	Fire Rated Construction	The required fire separation distance does not comply with the requirements of BNBC 2020. Location(s): Shed-2	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2020 Part 3 Table 3.2.2 & 3.2.3 and BNBC 2020 Part 3 Section 2.4.1.3.	Within 6 Months
				

F-10	Fire Rated Construction	The required fire separation distance does not comply with the requirements of BNBC 2020. Location(s): Shed-5 & Shed-6	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2020 Part 3 Table 3.2.2 & 3.2.3 and BNBC 2020 Part 3 Section 2.4.1.3.	Within 6 Months
				

F-11	Fire Alarm & Detection System (FADS)	The factory has installed a fire alarm and detection system that requires to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard). Note: Fire Alarm and Detection system is installed and previously reviewed with ID 12228. Waiting for T&CVI. NAC triggering was disconnected during on-site inspection. Several trouble, like AC trouble, loop open trouble were observed.	Keep FADS system active and completely functional and free of trouble. Make necessary modification. After modification the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.	Within 3 Months
				

F-12	Inspection, Testing & Maintenance (Fire)	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 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 Month
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