

INITIAL FIRE SAFETY INSPECTION REPORT

DNV Clothing (Extension)

RSC ID: 24769

ADDRESS: Plot No. 100/101, AEPZ, Adamjee Nagar, Siddhirgonj

Other Factories: DNV Clothing. (ID: 9348; In the premises)



Inspected By: Mohammad Anayet Hossain & Md. Anisuzzaman

Date: 30th-July-2023

Fire Safety Inspection Report

DNV Clothing (Extension)

Introduction:

DNV Clothing (Extension); complex was surveyed for fire safety on **30/07/2023** 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): There are three structure under this ID-24769 which are below:

- 1. Production Building-02-Single Story-Steel & RCC structure(Construction: Feb 2009 to Oct 2010, Structural modification/alteration 2021 to 2022 and Occupied by Jan,2023.)**
- 2. Utility Building- Single Story RCC Structure(Construction: Dec 2021 to Dec 2022 and Occupied by Jan 2023.)**
- 3. Huge Godown Building-Single Story RCC Structure(Construction: Dec 2021 to Dec 2022 and Occupied by Jan 2023)**

Factory Address: Plot No. 100/101, AEPZ, Adamjee Nagar, Siddhirgonj

Points of contact:

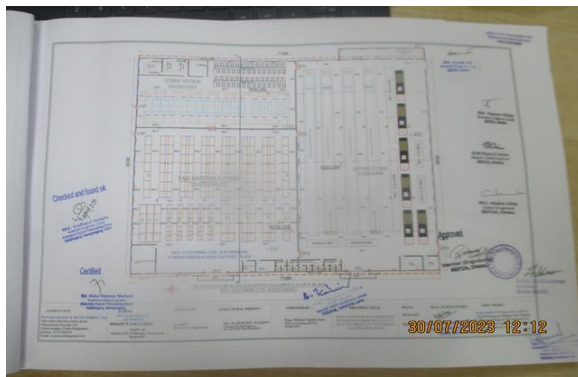
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General Building Information- Building Name: Production Building-02-Single Story-Steel & RCC structure

Number of Stories Below / Above Grade	0/1
Highest Occupied Floor Level / Height	Grade level.(Full height 10.758M)
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)	No
Occupancy Classifications	G2, H2
Floor Plans Available	Yes



Date Of Construction	Started on Feb,2009 to Oct,2010
Major Renovations / Additions	Structural modification/alteration 2021 to 2022
Comments	Occupied by Occupied by Jan,2023
Other Tenants In Building	No
Floors Occupied By Factory	Yes

Occupant load by floor

Floor	Use	Occupant Load	Comments
Ground floor	Cutting, Store, Production & Compressor room	279	

Construction Features:

Non-Combustible Construction	Yes
Fire-Resistive Construction	No

Building Exposures:

North	8 feet away from Jhute Godown
South	20feet away from DNV clothing Ltd
East	Boundary wall
West	10feet away from Utility building.

Findings & Recommendations :

Table 1- summarizes the fire safety non-compliant issues identified during the inspection. Recommendations have been provided to address each issue with specific remediation timeline.

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: Finding & Recommendation

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Dedicated Rooms used for combustible storage are not separated by fire rated construction due to unprotected opening. Location: Ground floor of production building-2 & Jhute godown building.	Provide dedicated storage rooms separated by minimum 1 hr. fire rated construction. Seal all unprotected openings and penetration.	Within 3 months



F-2	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Ground floor production building-2.	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. If sprinkler protected, Maximum height 12 ft (3.66 m) and maximum area of 1000 ft² (93 m²) and separated by a at least 25 ft (7.62 m) from other storage areas and does not constitute more than 10 percent of the building area or 4000 ft² (372 m²) of the sprinklered area, whichever is greater. or, Enclose the storage area from the surrounding occupancy with a minimum 1 hour fire rated construction.	Within 3 months
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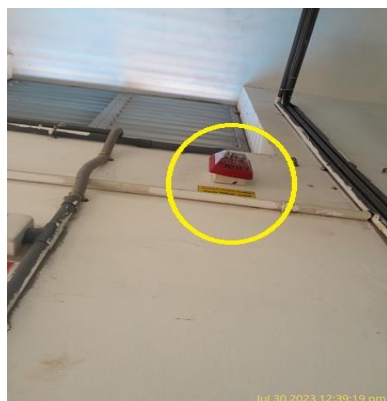
F-3	Mean of Egress	The exit discharge path was less than 10 ft wide and was not separated from the building interior. Location: North side of production building -2	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft. to provide a minimum 2-hr fire separation.	Within 3 months
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F-4	Fire Alarm & Detection System (FADS)	Addressable fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard.	Submit design, documents and calculations to RSC for review prior and based on the review modify the system if there is any. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Design Review within 1 month and modification within 3 months (If require)
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F-5	Fire alarm & Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per RSC standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 (Table-14.3.1) or as per RSC standard.	Within 1 month after installation
F-6	Fire Rated Construction.	The main structural element (Rafter) of the building 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 2020, Part 3, Table 3.1.7	Within 6 months

