

INITIAL FIRE SAFETY INSPECTION REPORT

Tusuka sticthes Ltd

RSC ID: 24266

40/4, Hazrat Shajalal Road, Rajnagar, Sataish, Tongi, Gazipur

Latitude: 23.897300, Longitude: 90.398596

Other Factories: None



Inspected By: Monsurul Akram Azim & Md. Abu Taher Khan

Date: 10-Oct-2021

Fire Safety Inspection Report

Tusuka sticthes Ltd complex was surveyed for fire safety on 10/10/2021 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. Building 01- Production Building (RCC_4 Storied(G+3), 253829 sft). Construction: (December,2017- January,2020)
2. Building 03- Utility Building (RCC structure_3 Storied(G+2), 24644 sft. Construction:(December,2017- January,2020)

Findings & Recommendations :

Here srcatched a Table where summarizes some major fire safety issues, those are 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-:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire-Rated Construction	There are no fire rated construction between dinning room and finishing area. Location : 3rd floor	Re-locate the dining area or separate the dining area from other occupancies with fire rated construction	Within 3 months

				
F-2	Fire-Rated Construction	Boiler,sub station and generator , all are located in utility building but there were no fire separation from each others. by fire-rated construction.	Separate the Boiler, Compressor by a minimum 1-hr fire rated construction, Generator Separated by min 2 hr fire rated construction & Sub station Separated by min 2 hr fire rated construction.	Within 3 months
				

F-3	Fire Rated Construction	Combustible storage on ground and 1st Floor are not separated by fire rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23 m ² - If sprinkler protected: maximum height of 3.66 m and maximum area of 93 m ² Separate areas of unenclosed combustible storage by a minimum clear distance of 3 m.	Within 3 months
				

F-4	Fire-Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location : 1st floor	Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. - Or 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. - or 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
				

F-5	Fire-Rated Construction	Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to unprotected openings and penetrations.	Separate the exit stairs Within 3 from work areas and other months 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.	Within 3 months
				

F-6	Fire protection	The fire alarm system installation requires details review to confirm compliance with NFPA 72 and ACCORD standard.	Submit as-built drawings,testing records, equipment certification and other relevant documentation to the ACCORD for review and approval/acceptance test.	Within 2 months
 				

F-07	Egress Lighting	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 supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles. Directional sign need to add.	Within 3 months
				
F-08	Fire-Rated Construction	Elevator's opening inside the staircase.	Provide 2-hr fire rated shaft and 1.5-hr fire rated lift landing doors or 1.5-hr rated opening protection. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months



F-09	Fire protection	The highest occupied floor of existing building is more than 10 m (33 ft.) above grade where Class III standpipe system is mandatory and factory has Class III standpipe which is required to be reviewed and verified.	Submit as-built drawings, hydraulic calculation, equipment certification and other relevant documentation to the RSC for review and approval, modification (if required) shall have to done as per the reviewed design and NFPA- 14, 20, 22 and 24. & Upon approval & modification (if required) the owner shall verify the system by RSC for final acceptance.	Design within 1 month and installation/modification within 3 months
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