

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Executive Greentex Limited

Factory ID: 24126

Google Co-ordinate: 24.237889, 90.400129

ADDRESS: Mulaid, Sreepur, Gazipur-1740

Other Factories: N/A



Inspected By: Mohammad Anayet Hossain & Md. Foysal Ahmed

Date: 09-Feb-2021

Fire Safety Inspection Report

Factory Name: Executive Greentex Limited

Introduction:

The **Executive Greentex Limited** complex was surveyed for fire safety on 09/Feb/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-1 (Main Building)**
- 2. Building-2 (Utility Building)**
- 3. Building-3 (Boiler & Pump Room)**

Factory Address: Mulaid, Sreepur, Gazipur-1740

Points of contact:

1. Name: Mohammad Abdul Barek
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HR, Admin & Compliance
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2. Name: Lakhman Chandra Baidya
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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:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer stories and a minimum of 2- hr. fire resistance rating for buildings 4 or more stories. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction for building with 3 or fewer stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for building with 4 or more stories. Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer. Ensure that the fire doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.	Within 3 months



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2	Means of Egress	Elevator installed in exit stair enclosure and not fire rated	Modify the elevator and stair enclosure arrangement in a way to satisfy Accord standard 6.14.3. Elevator shall not open into an exit enclosure. Elevator landing door shall be of 1.5-hr fire rated.	Within 4 months
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3	Fire Rated Construction	Room used for combustible storage are not separated by fire rated construction located at several floors	Separate the storage room by a minimum 1- hr fire-rated construction. Seal and/or protect all openings to maintain the required fire separations. Openings from exit enclosure to storage spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5-hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the storage room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure	Within 3 months



4	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction located at several floors	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 23m² - 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	Within 3 months
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5	Fire Rated Construction	Unsealed electrical riser, utility riser & steam riser are located in the fire-rated floor/ceiling assemblies	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation	Within 3 months

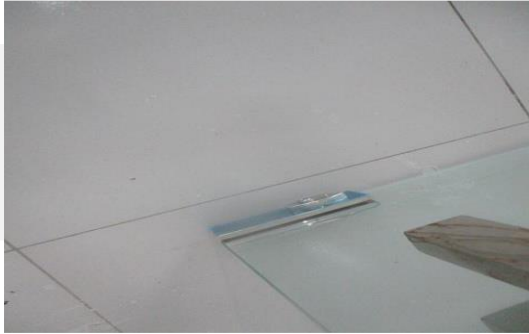


6	Means of Egress	Storage was located in exit stair in several floors	Remove storage from the exit stairs	Immediate
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7	Means of Egress	Storage was located in the egress path (Aisles, Egress route) in several floors	Keep egress path (Aisles, Egress route) clear of storage	Immediate



8	Means of Egress	Doors along means of egress are provided with non compliant locking system on ground floor at exit discharge	Remove all non compliant locking features from egress doors If locks are required for security reasons, utilize special door locking features complying with NFPA 101 Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons	Immediate
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9	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)
 				

10	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
11	Fire Protection System (Fire Pump)	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and ACCORD standards	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval	Design Review within 2 months and installation/modification within 6 months.



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12	Inspection Testing and Maintenance of Fire Pump System (ITM)	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20 and ACCORD standards. (After installation)	Within 3 months
13	Inspection Testing and Maintenance of Standpipe System (ITM)	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25 and ACCORD standards. (After installation)	Within 3 months

14	Fire Protection System (Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and ACCORD standards	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14	Design Review within 2 months and installation/modification within 6 months.
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15	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
16	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

17	Stair Sign & Occupant Load sign	Building did not have stair designation signs or occupant load signs at the required locations in several floors	Provide stair designation signs and occupant load signs at the required locations	Within 1 month
18	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

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19	Means of Egress	Fire evacuation map is not posted at the entrance in some exit stairs	Fire evacuation maps shall be posted at the entrance to each exit stair	Within 1 month

20	Egress lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes at ground floor	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	Within 3 months
 				

21	Fire Rated Construction	Dinning, prayer room and storage are not separated by 2-hr fire rated separation from production floor at 5th floor	Separate the dining, prayer room and storage area by a minimum 2-hr fire rated construction having a direct access to exit stair. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
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