

FIRE SAFETY INSPECTION REPORT

IFL FACTORY LIMITED

ACCORD ID: 23256

140, Dhour Uttara Turag, Uttara, Dhaka (23.892344, 90.364389)

Other Factories: None



Inspected By: Muzaddir Alfi Sani & A N Faisal Ahmed

Date: 06 May, 2018

Fire Safety Inspection Report

Factory Name: IFL FACTORY LIMITED

Introduction:

IFL FACTORY LIMITED was surveyed for fire safety on 06 May , 2018 by the Accord 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 Accord. 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 Accord 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.

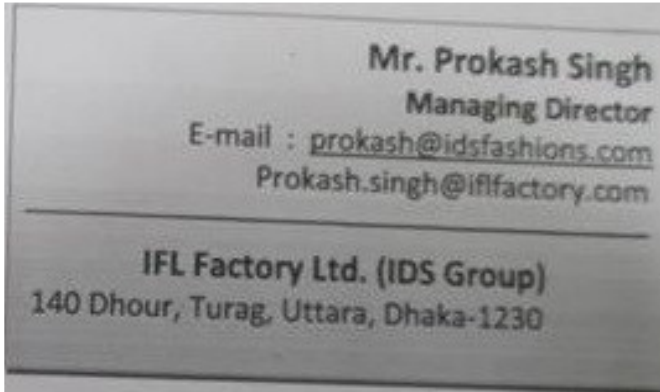


General Factory Information

Factory Building name(s): 1. 6 story RCC building (Main Production Building)
 2. Single story RCC building (Utility Building)
 3. Single story RCC building (Medical & Day care)
 4. Single story shed (Generator, Boiler , compressor room, prayer room, dinning room)

Factory Address: 140, Dhour Uttara Turag, Uttara, Dhaka

Points of contact:

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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 Accord for approval.

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Through out the factory buildings in different locations.	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. 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-2	Egress	Exit capacity is not adequate for the occupant load. Location: Third Floor , Available exit capacity: 546 & occupant load: 682	Specify appropriate upgrade based on conditions: -Reduce occupant load to not more than available exit capacity. -Provide additional exits to increase the exit capacity.	Immediate
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Floor Wise Manpower

Sl. No	Description	Total Strength	Present	Absent
1	Ground Floor	75	79	2
2	1st Floor	387	376	0
3	2nd Floor	141	138	3
4	3rd Floor	682	567	115
5	4th Floor	955	438	517
6	Child Care & Medical	3	3	0
7	Utility Building		8	
8	Semi Police Shed (Capacity)		912	

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F-3	Fire Rated Construction	The elevator discharges inside the production floor. [Unsealed penetrations & openings]	Provide a minimum 2-hr fire rated construction to separate the elevator shaft from each floor level. Seal all penetrations and openings in floors/ceiling assemblies to maintain the fire separation.	Within 3 months
F-4	Fire Rated Construction	The exit discharge path is less than 10 ft wide and is not separated from the building interior. Location: East, South & North Side of main building.	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 1-hr fire separation. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 6 months



				
F-5	Fire Rated Construction	Exterior exit stairs are not properly separated from the building and stair exit discharge. Location: Stair 01.	Exterior exit stairs shall be separated by minimum 1 hr. fire-rated construction if building is less than 4 stories or 2 hr. fire rated construction of building is 4 stories or greater. The rating of the exterior wall shall extend 3.05 m (10 ft.) beyond the ends of the stair structure.	Within 3 months





F-6	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas . Location: Ground floor store room.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
				



F-7	Egress	Storage was located in the exit stairwell & egress path.	Keep egress path and stair clear of storage.	Immediate
				
F-8	Egress	Collapsible gates/sliding doors/rolling shutter doors are provided at building exits	Replace all collapsible gates/ sliding doors/ rolling shutter doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize specialized door locking features complying with NFPA 101.	Within 1 month





F-9	Egress	Egress doors/gates with locking features not complying with NFPA 101 are provided at building exits, along egress routes, exit discharge	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA 101.	Immediate
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F-10	Egress	Stair designation, Floor location and occupant load signage are not posted properly.	Install signage adjacent to each stair door indicating the stair name and the floor level at the noted locations in both English and Bengali language. Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Immediate
F-11	Egress	During the inspection egress aisles were obstructed by combustible storages and available clear width were found less than 36 inch.	Provide aisles free from obstructions and with minimum clear widths of 36-inch.	Within 3 months





F-12	Fire Detection system	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards	Submit drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval, modification shall have to done as per the reviewed design (if required)	Within 1 month
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F-13	Fire Detection ITM	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.	Within 3 months
F-14	Fire Protection System	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and ACCORD standards	Submit drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval, modification shall have to done as per the reviewed design (if required)	Design within 2 month; Modification of the system (if required) within 6 months





F-15	Fire Protection System ITM	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14 and ACCORD standards.	Within 3 months
F-16	Egress Lighting	Manual on-off switch facility available for emergency lights	Remove manual on/off switches from emergency lighting units to prevent them from being switched off.	Within 1 month





F-17	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 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
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F-18	Egress Lighting	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
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F-19	Egress	Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation.	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.)	Within 3 months
				



F-20	Egress Lighting	Directional signs are not provided where direction of the path of travel to an exit has changed.	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 3 months
 				
F-21	Fire Extinguishers 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

