

INITIAL FIRE SAFETY INSPECTION REPORT

KM Nobely Garments Ltd (Extension Building)

RSC ID: 24389

Zorun, Konabari Gazipur-1702

Geographical Coordinates of factory building: 24.000314, 90.323740

Other Factories: KM Nobely Garments Ltd. -23244 (In the premises)



Inspected By: Dilip Kumar Mondal and Nainin Nowrose

Date: 24 May-2022

Table-1: Finding & recommendation for Six Storied Building

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are separated from work areas & other spaces on each floor by fire rated construction and fire door but all doors were obstructed by substances. Penetration was located on ground floor from chemical room and 1st floor from production Shed.	Stair shall be enclosed with a minimum 2-hr fire-rated construction. Seal all unprotected openings and provide minimum 1.5 -hr. fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing, 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



F-2	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies. Location: Electrical riser and PVC pipe	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level. Seal all penetrations and openings in floors/ceiling assemblies to maintain the fire separation.	Within 3 months
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F-3	Mean of Egress	Storage was located in the exit stairs. Construction materials and accessories of fire hydrant in the below staircase-1.	Remove storage from the exit stairs and egress path.	Within 1 month
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F-4	Means of Egress	The exit discharge path of stair-1 and stair-2 were found obstructed by storage material, construction debris, and other objects.	Remove storage and other obstructions from the exit discharge path. The walking surface shall be even without any tripping hazard.	within 1 month
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F-5	Egress	Building did not have stair designation signs or occupant load signs at the required locations.	Provide stair designation signs and occupant load signs at the required locations.	Within 1 month
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F-6	Mean of Egress	Parapets or guards are not provided in occupied roof. OR Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.). Location: roof top	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months
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F-7	Egress lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Dining area on 5th 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
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F-8	Egress Lighting	Illuminated directional signs are not provided where direction of the path of travel to an exit has changed. Location: On 1st and 5th floors	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 1 month
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F-9	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC Technical Guidelines (Standard). Keep written records on-site.	Within 3 months
F-10	Fire Alarm & Detection System (FADS)	Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and The RSC Technical Guidelines (Standard).	Design & Installation of Fire Alarm & Detection system shall be in accordance with The RSC Technical Guidelines (Standard). and NFPA 72. Submit design, documents and calculations to RSC for review prior installation/modification. 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.	Within 3 months



F-11	Fire Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per The RSC Technical Guidelines (Standard).	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per The RSC Technical Guidelines (Standard).	Within 1 month after installation.
F-12	Fire Protection System (Standpipe and fire pump)	Standpipe system along with fire pump installation requires detailed review to confirm compliance with NFPA 14, 20 and The RSC Technical Guidelines (Standard).	Install a new class III or class-I and class-II standpipe system & fire department connection in accordance with NFPA 14, and fire pump in accordance with NFPA 20. A class I system shall be permitted in buildings protected throughout by an automatic sprinkler system.	Design within 3 months, Install within 6 months.



F-13	Fire Protection System(ITM of standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 14, 20 and 25 or as per The RSC Technical Guidelines (Standard).	Inspect, test and maintain the Standpipe system, and keep written records on-site, in accordance with NFPA 14,20 and 25 or as per The RSC Technical Guidelines (Standard).	Within 1 month after installation.
F-14	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per The RSC Technical Guidelines (Standard).	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per The RSC Technical Guidelines (Standard).	Within 1 month