

# INITIAL FIRE SAFETY INSPECTION REPORT

## MANTA APPARELS LTD (Extended Building)

RSC ID: 24151

DIAKHALI, YEARPUR, JAMGARA, SAVAR, DHAKA

23.937694, 90.296056

Other Factories: Manta Apparles Limited and Envoy Fashion Limited ( In the premises).



Inspected By: Pantha Pallob Das & Md. Sadid Rahman

Date: 4-March-2021

# Fire Safety Inspection Report

## Manta Apparels Ltd.

### Introduction:

Manta Apparels Ltd. (extended building) complex was surveyed for fire safety on 4/March/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.

## 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.

F-1	Fire Rated Construction	Areas used for combustible storage located at several floors are not separated by fire rated construction.	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> <li>- Maximum height of 2.4m and maximum area of 23m<sup>2</sup></li> <li>- If sprinkler protected: maximum height of 3.66m and maximum area of 93m<sup>2</sup></li> </ul>	Within 3 months
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F-2	Fire Rated Construction	Rooms used for combustible storage are not separated by fire rated construction located at 2nd floor. (APW section with finished goods store)	Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction.	Within 3 Months
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F-3	Fire Rated Construction	The expansion joint in between extension-1&2 were sealed by listed material but no proper document was shown to ensure the credibility of required hour rating (3-hr).	Provide proper documentation of the materials which have been used as a sealer of expansion joint.	Within 2 months
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F-4	Fire Rated Construction	The egress court using from the carton store was not safe and fire separated as required.	Ensure that the egress court is at least 1-hr fire rated up to 10 ft vertical height from finish grade. Remove all the facilities from the path which creates obstruction.	Within 3 months
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F-5	Fire Rated Construction	Inside of passageway of extension-1 there was an electrical raceway without proper separation.	Ensure that the electrical raceway is at least 2 hour fire rated or relocate the raceway avoiding the egress passageway.	Within 3 months
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F-6	Egress	<p>Glass type sliding doors/gates with locking features has been observed along egress routes.</p> <p>APW section on 2nd floor.</p>	<p>Replace all non-compliant exit doors (collapsible gates/ sliding/rolling down) doors along the means of egress with side-hinged, swinging egress doors.</p> <p>Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101.</p>	Within 1 Months
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F- 7	Fire Protection System (Standpipe)	Installation of standpipe system has been found complete which is required to be reviewed and verified.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review, modification (if required) shall have to done as per the reviewed design and NFPA-14, 20 & 22. Upon approval & modification (if required) the factory shall inform RSC to conduct final testing and commissioning verification of the system for final acceptance.	Design Review within 1 month and installation/modification within 3 months.
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F- 8	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 1 month
F- 9	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 1 month

F- 10	Fire Alarm & Detection system	Installation of an addressable fire alarm & detection system has been found complete which is required to be reviewed and verified.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review, modification (if required) shall have to done as per the reviewed design and NFPA-72 with a listed Addressable Fire Alarm System. Upon approval & modification (if required) the factory shall inform RSC to conduct final testing and commissioning verification of the system for final acceptance.	Design Review within 1 month and installation/modification within 3 months.
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F- 11	Inspection Testing and Maintenance of Fire Alarm and Detection System (ITM)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72. (After Installation)	Within 1 month after installation.
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