

FIRE SAFETY INSPECTION REPORT

MEDITEX INDUSTRIES LIMITED.

PLOT 912, KASHIMPUR ROAD, KONABARI, GAZIPUR

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

April 7, 2014

SUMMARY

Meditex Industries limited. was surveyed for fire safety on 07-04-2014 by Hughes Associates, Inc. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this 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.

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.

Table 1. Findings And Recommendations - Meditex Industries Limited

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	The exit stairs are not separated from work areas, other spaces on each floor by fire-rated construction.	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. 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





F-2	Fire Rated Construction	The boiler / generator / transformer room is not separated by fire-rated construction (openings, non-rated doors, penetrations).	Separate the boiler / generator / transformer room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
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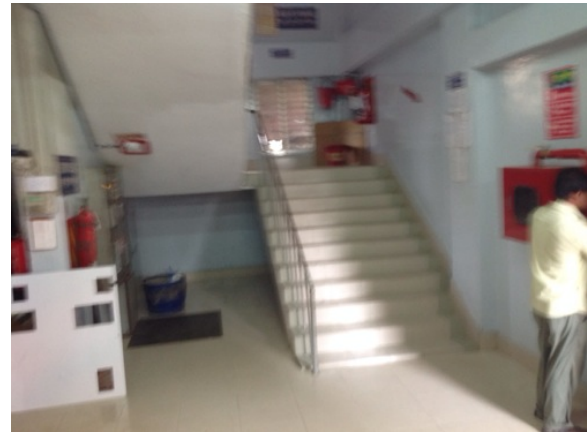




F-3	Fire Rated Construction	Areas used for storage are not separated by fire-rated construction on ground floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement 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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F-4	Fire Rated Construction	The exit stairs are not separated from work areas, other spaces on each floor by fire-rated construction north west exit.	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. 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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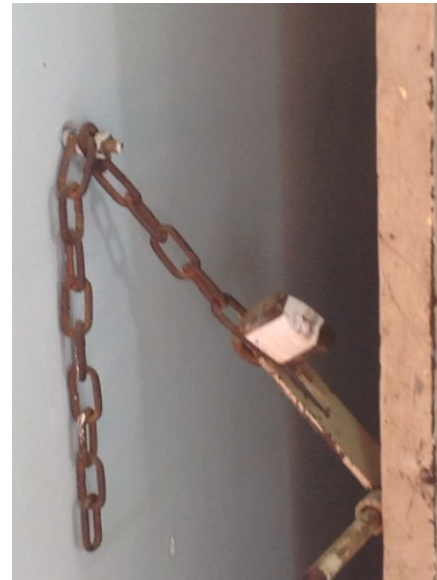
F-5	Fire Rated Construction	Not constructed of proper fire rated materials. Several penetrations and other deficiencies compromise integrity of the room which could lead to increased fire spread.	Provide minimum 1hr fire rated room and seal all unprotected openings to separate from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing and fire rated for use.	Within 6 months
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F-6	Fire Rated Construction	Fire doors in use on south exit do not have proper documentation for proof of rating.	Have manufacture provide the documentation need or replace doors with the correct UL/FM/CE or other acceptable devices.	Within 6 months
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F-7	Egress	Egress doors / gates with locking features are provided at [building exits, exit stairs, along egress routes, exit discharge.	Remove locking features from all egress doors / gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-8	Egress	Objects in exit access path are a tripping hazard.	Remove	Immediate
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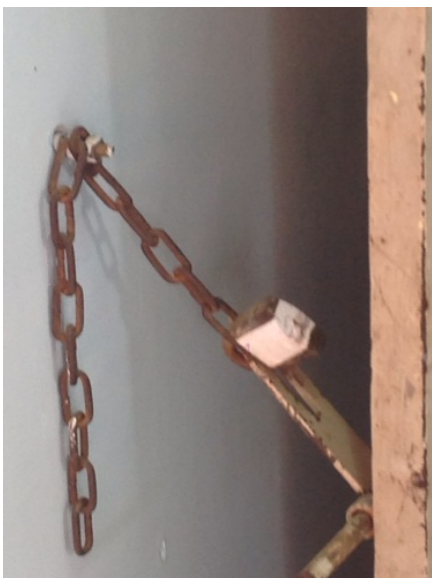
F-9	Egress	Exit capacity is not adequate for the occupant load. The fifth floor has a work area and dining facility. If both are used and at maximum capacity the occupant load exceeds the exit capacity by 142 people.	Reduce the capacity of the dining area by 150.	Immediate
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F-10	Egress	Storage was located in the egress path. The main exit ground floor is being used as a reception area and has desk, chairs and other related items in the exit route.	Keep egress paths and stairs clear of storage.	Immediate
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F-11	Egress	Exit stairwell doors are being locked in the open positions.	Remove locks .	Immediate
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F-12	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, exit discharges throughout the factory.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
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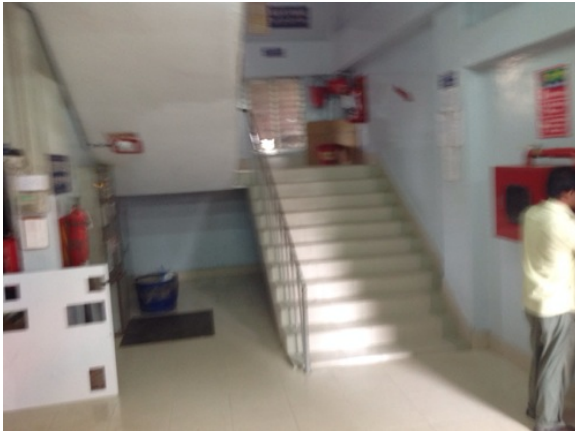
F-13	Egress	Not enough exit aisle access for workers in knitting areas.	Separate the machines and add more exit aisle access for workers.	Within 3 months
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F-14	Egress	Several egress paths along the outer walls of the facility on several floors were inadequate, less than 36 inches	Increase exit opening to a minimum of 36 inches.	Within 3 months
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F-15	Egress	Exit stairs discharge inside the building. The south exit discharges onto the Ground floor working area,	Provide 2-hr fire-rated exit passageway leading directly outside.	Within 6 months
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F-16	Egress	Ground floor Mending section has to exit though the storage room to gain access to a means of exit access.	Open a direct exit to the outside from the back wall in this section or provide a corridor that the requirements of an exit enclosure through the storage area to the north exit access path.	Within 6 months
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F-17	Fire Protection	The number of ceiling fans in use would seriously delay the detection of a fire and activation of the fire alarm system do to the volume of heat and smoke being displaced during their use.	Replace the fans with a HVAC system that would have less effect on system activation and is tied to the fire alarm system and shuts down when the system is activated.	Within 12 Months
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F-18	Fire Protection	Inspection, testing, and maintenance of 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.	Within 3 months
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Meditex Industries Limited
Weekly Fire Alarm Check List

Date	Fire Alarm Checking Point	Time	Name & Designation of Checking person	Signature
06.01.14	Generator Room	13.10	Md. Anwarul Alam, A.S.M.	[Signature]
13.01.14	Ground Floor	13.23	Md. Anwarul Alam, A.S.M.	[Signature]
20.01.14	1st Floor	13.15	Shahidul Alam, A.S.M.	[Signature]
27.01.14	2nd Floor	13.20	S.M. Samiul Islam, Manager, A.S.M.	[Signature]
03.02.14	Ground Floor	13.05	S.M. Samiul Islam, Manager, A.S.M.	[Signature]
10.02.14	2nd Floor	13.17	Md. Anwarul Alam, A.S.M.	[Signature]
17.02.14	1st Floor	13.35	S.M. Samiul Islam, Manager, A.S.M.	[Signature]
24.02.14	4th Floor	13.40	Md. Anwarul Alam, A.S.M.	[Signature]
02.03.14	Ground Floor	13.10	Shahidul Alam, A.S.M.	[Signature]
09.03.14	2nd Floor	13.25	Md. Anwarul Alam, A.S.M.	[Signature]
16.03.14	Fire Command Room	13.40	S.M. Samiul Islam, Manager, A.S.M.	[Signature]
23.03.14	5th Floor	13.33	Md. Anwarul Alam, A.S.M.	[Signature]
30.03.14	4th Floor	13.45	S.M. Samiul Islam, Manager, A.S.M.	[Signature]
06.04.14	Fire Command Room	13.20	Md. Anwarul Alam, A.S.M.	[Signature]

F-19	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on ground or first 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-20	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. This was observed on all floors.	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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