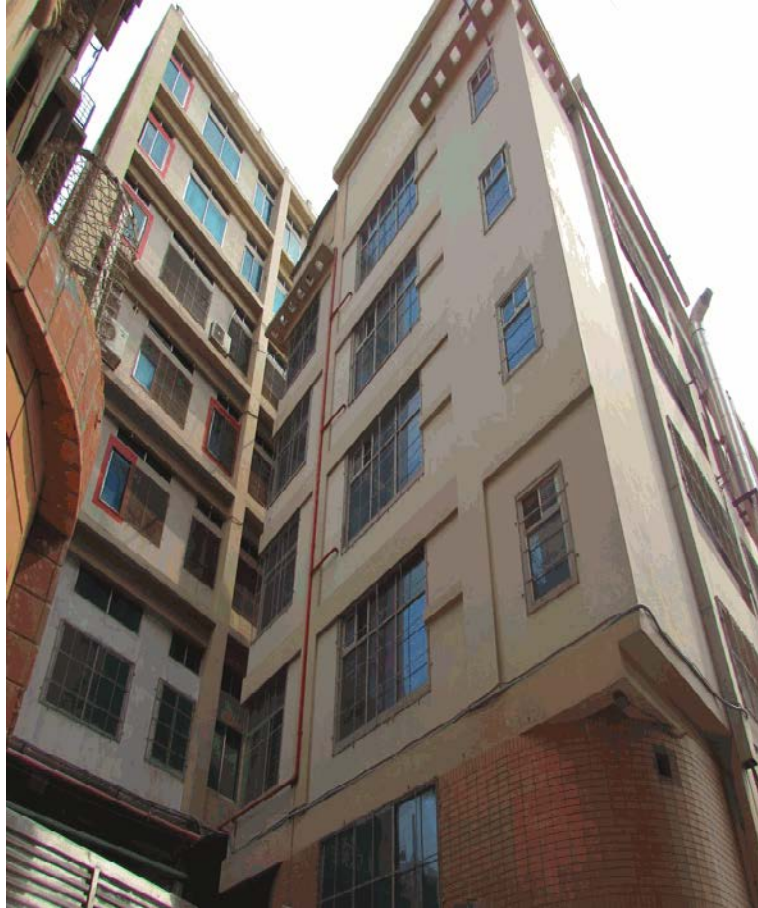


ELECTRICAL SAFETY INSPECTION REPORT

MULTIFABS LTD.

Kashimpur, Nayapara, Gazimpur, Dhaka, Bangladesh.



Factory List:

1. Multifabs Ltd.

Inspected on April 9, 2014

ACCORD
on Fire and Building Safety in Bangladesh

SUMMARY

The factory operation started in 2006 and is housed in two buildings which are five & seven-storied. The five & seven-storied buildings were reported to be built in 2005 and 2006 respectively.

The Factory was surveyed for electrical safety by Woosun Energy and Construction Co., Ltd. (WEC). The purpose of the survey was to identify significant electrical safety issues and to provide recommendations for remediation based on applicable standards specified by the Accord. The scope of this initial electrical safety inspection was limited to the review and identification of major electrical safety issues. The inspection did not include identification of minor deficiencies, which will be further addressed as part of follow-up inspections.

Table below summarizes the major electrical 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.

FINDINGS AND RECOMMENDATIONS

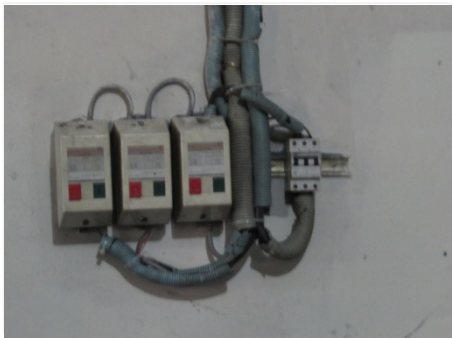
Finding #: E- 1	 HT cables are terminating at HT bushing.
Category: TRANSFORMER ROOM	
Finding: HT cable is not supported.	
Recommendation: HT Cable must be supported by cable riser or ladder with cover to ensure the mechanical protection of the cables from any physical damage or reduce the stress on termination point /bushing.	
Remediation Timeframe: Within 1 month	

Finding #: E- 2	 Transformer breather.
Category: TRANSFORMER ROOM	
Finding: Silica gel is discolored.	
Recommendation: Shut down the transformer and replace the silica gel or perform maintenance to remove moisture from it. Consult with transformer servicing company before performing the task. Establish a routine maintenance & inspection program for transformer to ensure any future repetition of the occurrence.	
Remediation Timeframe: Within 1 month	

Finding #: E- 3	
Category: CABLE & CABLE SUPPORT	
Finding: Cables are not supported.	
Recommendation: Cable tray and riser with protective metal cover may be installed to support the cables laid haphazardly on floor behind the panel or cable trench may be constructed to arrange the cable inside the trench.	
Remediation Timeframe: 3 months	Cables are laid behind the panels.

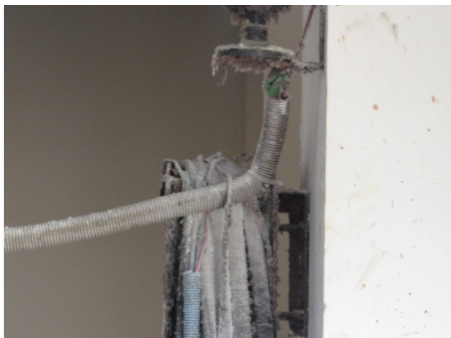
Finding #: E- 4	
Category: SWITCHBOARD & PANEL	
Finding: Improper cable size terminating to the MCCB.	
Recommendation: Check the cables and circuit-breaker to find out the higher rated circuit-breakers. Choose the circuit-breaker according to the cable-size such as the rating of the device does not exceed the current carrying capacity of the cable.	
Remediation Timeframe: 3 months	Small sized cable in MCCB.

Finding #: E- 5	
Category: SWITCHBOARD & PANEL	
Finding: Panel door is not connected to the earth bond.	
Recommendation: Provide earth connection for body and doors of metallic distribution boards using green cables preferably braid so that the metallic door remains at zero potential all the time.	
Remediation Timeframe: Within 1 month	Typical distribution panel.

Finding #: E- 6	 MCB is mounted on the wall without any enclosure.
Category: SWITCHBOARD & PANEL	
Finding: Control device is installed without enclosure.	
Recommendation: Place the protection devices inside an enclosed panel made of metallic sheet of minimum 20 SWG thickness.	
Remediation Timeframe: 3 months	

Finding #: E- 7	 Dust inside the panel.
Category: SWITCHBOARD & PANEL	
Finding: Excessive dust found inside the panel.	
Recommendation: Disconnect the power source of the panel and clean dust and debris of all interior components. Establish a periodic cleaning program and maintain records of the activities. Provide cover made of noncombustible material on the unused opening for preventing ingress of dust and debris in future.	
Remediation Timeframe: Within 1 month	

Finding #: E- 8	 Cable tray.
Category: CABLE & CABLE SUPPORT	
Finding: Cables are kept hazardous in the cable tray.	
Recommendation: Additional cable tray may be installed to arrange the noted cables laid haphazardly on tray. Keep 30% free inside cable tray/channels/ducts for proper heat dissipation. Provide cover made of noncombustible material on the channel for preventing ingress of dust and debris in future	
Remediation Timeframe: Within 1 month	

Finding #: E- 9	 Excessive dust on cables.
Category: CABLE & CABLE SUPPORT	
Finding: Flexible conduit containing power cable is covered by dust.	
Recommendation: Establish a periodic cleaning program and maintain records of the activities.	
Remediation Timeframe: Within 1 month	