

ELECTRICAL SAFETY INSPECTION REPORT

SATURN TEXTILES LTD.

2/6, Darul Ahsan Road, Ausepara, Tongi, Gazipur, Bangladesh



Factory List:

1. Saturn Textile Ltd.

Inspected on April 30, 2014



SUMMARY

Saturn Textile is housed in an eleven (B+G+9) storied factory building with total floor area of 12,441 sq m and building height is 33 meter. The building was started for its construction in 2010 and still some works are under construction. The factory started its production in 2012.

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 cable is entering the panel.
Category: SERVICE LINE	
Finding: HT cable is laid on concrete floor without protection.	
Recommendation: Install a cables tray with protective cover to route and protect the HT cable from physical damage due to falling objects and stepping of maintenance personnel during maintenance work.	
Remediation Timeframe: 3 months	
Finding #: E- 2	 Silica gel get moisturized
Category: TRANSFORMER ROOM	
Finding: Silica gel in transformer breather contaminated with moisture as a result it's color has been changed.	
Recommendation: Shut down the transformer and replace the silica gel or perform maintenance to remove moisture from it. Establish a routine maintenance checklist for the transformer to keep all the accessories of the transformer operable.	
Remediation Timeframe: Within 1 month	

Finding #: E- 3	
Category: TRANSFORMER ROOM	
Finding: Transformer breather oil cup found empty.	
Recommendation: Fill-up the oil cup with new transformer oil.	
Remediation Timeframe: Within 1 month	

Empty oil cup

Finding #: E- 4	
Category: CABLE & CABLE SUPPORT	
Finding: Cables terminated from one floor to another not supported and protected.	
Recommendation: Cables should be supported and fixed to the cable ladder tightly by using suitable fittings e.g. cable tie.	
Remediation Timeframe: 3 months	

Cables on cable ladder not supported

Finding #: E- 5	
Category: SWITCHBOARD & PANEL	
Finding: Panel door not connected to earth.	
Recommendation: Panel enclosure including its door must be connected to earth using green cables preferably earth braid so that the metallic door remains at zero potential all the time. Practice earth continuity test to insure earth continuity to panel and loads enclosure and keep record.	
Remediation Timeframe: Within 1 month	

Panel door not earthed

Finding #: E- 6	
Category: SWITCHBOARD & PANEL	
Finding: Excessive dust and lint deposit found inside panel.	
Recommendation: Clean the panel and establish a routine cleaning program to keep all the panels neat and clean.	
Remediation Timeframe: Within 1 month	Dust and lint inside the panel.

Finding #: E- 7	
Category: SWITCHBOARD & PANEL	
Finding: Carton box placed in front the panel i.e. access to the panel not convenient.	
Recommendation: Access to all kind of electrical panel should be kept obstacle free. Keep 1 meter clearance in front the panel for proper operation and maintenance.	
Remediation Timeframe: Within 1 month	Storage in front the panel.

Finding #: E- 8	
Category: CABLE & CABLE SUPPORT	
Finding: Excessive dust and lint deposit in cable tray run over production floor.	
Recommendation: Provide metallic cover on the cable tray throughout it's whole length to keep it free from dust, lint and vermin. Establish a routine cleaning program to keep the cable tray neat and clean.	
Remediation Timeframe: Within 1 month	Uncovered cable tray in production floor.