

ELECTRICAL SAFETY FOLLOW UP INSPECTION REPORT (3RD)

Factory Name	ASWAD COMPOSITE MILLS LTD. (U-2)			Note:	
Address	Kabirpur, Ashulia, Savar				
FACTORY ID	11095	ELECTRICAL SAFETY INSPECTION DATES			Other Factory:
Initial Inspection Date		05/08/2014			
Report Received Date		04/21/2015			
Date of 1st Follow Up		11/17/2015		Date of 5th Follow Up	
Date of 2nd Follow Up		07/17/2016		Date of 6th Follow Up	
Date of 3rd Follow Up		03/05/2017			
Date of 4th Follow Up					
Inspected by	Banna Kasemi				

Item No	Accord Inspection Observation	Accord Action Plan (Recommendation)	Accord Time line (given in report)	Comments from Accord (After Physical Inspection)	Final Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
1	The substation room does not have the required fire rating protection, but is physically separated from the remainder of the building.	Provide adequate fire rating protection for the substation room.	7/13/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Not Applicable	Corrected	
2	Light fixtures without protective covers are installed at an accessible height.	Ensure light fixtures without protective covers are not installed in storage areas or in any area where the Inspector of the Factories Rules (1.5.3.5) Part 53 disallows these fixtures.	8/1/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	

Item No	Accord Inspection Observation	Accord Action Plan (Recommendation)	Accord Time line (given in report)	Comments from Accord (After Physical Inspection)	Final Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
3	is not properly rated, but physically separated from the remainder of the building. Generator room is situated on the ground floor of the admin building.	Ensure the generator room is properly rated.	6/29/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
4	The generator room is not properly ventilated.	Ensure proper ventilation for generator room.	6/29/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
5	Cable trenches are not covered properly.	Provide adequate cover on cable trench.	6/15/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	

Item No	Accord Inspection Observation	Accord Action Plan (Recommendation)	Accord Time line (given in report)	Comments from Accord (After Physical Inspection)	Final Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
6	Emergency power switchboards, distribution boards, and circuits are not properly identified. No separate panel boards for emergency power. Both power sources are directly fed to COS and then to LT and other panels.	Ensure proper identification of emergency power switchboards, distribution board, and circuits.	6/15/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
7	Underground service cables are not laid in conformity with the requirements of concealed wiring within the substation room.	Ensure underground cables for electrical distribution in the premises/garden/compound of the building are encased in GI or PVC pipes and laid in earth trenches of sufficient depth.	7/13/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
8	Switchboard is installed near sink. Location: 4th floor/spot removing room.	Ensure switchboard is not installed above gas stoves or sinks or within 2.5m of any washing unit in washing rooms or laundries.	7/13/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	

Item No	Accord Inspection Observation	Accord Action Plan (Recommendation)	Accord Time line (given in report)	Comments from Accord (After Physical Inspection)	Final Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
9	All metal in the building is not connected to the building grounding system such as metal frame and MS pipe.	Connect all metal in the building to the building earthing/grounding system such as metal rebar in concrete, metal frame of building and metal water pipe.	6/29/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
10	Distribution boards are not provided with adequate clearance. Location: DB-4, finishing Section 3rd Floor.	Provide clearance of at least 1 m (39 in) in front of switchboards and/or distribution boards.	6/15/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
11	Indications of overheating (95.5°C) were found in the thermography scan. Location: Knitting Section_GF_MD B	Find out the cause of overheating, overloading or burning and take proper action.	5/18/2014 12:00:00 AM	On 17/11/2015: Although no critical hotspot observed, but some signs of overheating (probable deficiency) observed during inspection. Need regular monitoring, load measurement and periodic maintenance. On 17/07/2016: Corrected.	17/11/2015	Done	Corrected	

Item No	Accord Inspection Observation	Accord Action Plan (Recommendation)	Accord Time line (given in report)	Comments from Accord (After Physical Inspection)	Final Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
12	Each circuit is not provided with a dedicated neutral on all distribution boards.	Provide a dedicated neutral for each circuit.	7/13/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
13	The appropriate number of down conductors are not installed based on the building size.	Consult with an expert electrical engineer to make sure your system has appropriate numbers of down conductors installed based on the building size.	6/29/2014 12:00:00 AM	On 17/11/2015: Factory is working on this issue. New timeline given till 30-Nov/15 to close this issue. On 17/07/2016: Corrected	17/11/2015	Completed	Corrected	
14	The lightning protection ground terminals are not bonded to the roof structure grounding.	Ensure the lightning protection earthing connection is bonded to the roof structure grounding.	7/13/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	

Item No	Accord Inspection Observation	Accord Action Plan (Recommendation)	Accord Time line (given in report)	Comments from Accord (After Physical Inspection)	Final Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
15	There are no capacity information labels and no physical means to prevent the installation of more over current devices on the distribution boards.	Ensure switchboards and distribution boards provided with physical means to prevent the installation of more over current devices than that number for which the panel board was designed, rated and listed following NFPA 70 section 408.54.	7/13/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
16	Electrical cables are not properly identified on all distribution boards.	Ensure the means of identification is maintained by separate color codings, marking tape, tagging, or other approved means.	7/13/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Completed	Corrected	
17	There was no documentation found that proved that the transformer does not contain any harmful substances such as PCB.	Contact the transformer manufacturer or perform a test to prove whether transformer contains harmful substance (like PCB) or not. If harmful substances are found then take necessary action to ensure a healthy environment.	7/13/2014 12:00:00 AM	On 17/11/2015: Corrected. On 17/07/2016: Corrected.	17/11/2015	Done	Corrected	


Item No	Accord Inspection Observation	Accord Action Plan (Recommendation)	Accord Time line (given in report)	Comments from Accord (After Physical Inspection)	Final Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
18	The size of generator room is not appropriate for routine maintenance activities on the ground floor.	Ensure appropriate size for generator room in order to properly access the generator to perform routine maintenance activities.	8/10/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
19	The substation room is not properly ventilated.	Provide means of ventilation for the substation room. Consult a qualified electrical engineer to determine the required ventilation rates based on the installed equipment.	6/29/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
20	The schedule of periodic safety inspections of the electrical system components was found, but the inspection report was not available onsite.	Establish a periodic inspection program to ensure the electrical systems are free from damage, debris, dirt, lint, etc. Maintain records concerning inspections and follow up actions.	7/13/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	

Item No	Accord Inspection Observation	Accord Action Plan (Recommendation)	Accord Time line (given in report)	Comments from Accord (After Physical Inspection)	Final Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
21	Improper cable joints were found. Location: DB-4 FINISHING 5TH FL.	Ensure cable joints are through porcelain or PVC connectors with PIB tape wound around joint.	6/29/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
22	No mechanical guards are provided for cable. Locations: MDB-1 5th Floor, DB-1/4th Floor, Fabrics Relux, MC-2nd Floor.	Provide mechanical guards for electrical equipment where necessary.	6/15/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
23	Labeled capacity information on distribution boards is insufficient and is not permanent on all distribution panels.	Provide capacity information labels (maximum current rating, number of circuit breakers, etc.) for distribution boards in permanently.	6/29/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	

Item No	Accord Inspection Observation	Accord Action Plan (Recommendation)	Accord Time line (given in report)	Comments from Accord (After Physical Inspection)	Final Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
24	Periodical Insulation Resistance Measurement Program is established and recorded, but the date of completion is absent in the documentation.	Develop an Insulation Resistance Measurement Program that ensures deterioration of insulation resistance will be identified quickly. Testing should be in compliance with InterNational Electrical Testing Association (NETA). All transformers, switchgears, etc., shall be subject to an insulation resistance measurement test to ground after installation but before any wiring is connected.	7/13/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
25	Electrical cables are not properly terminated. Location: SDB-3/Cutting/2nd Floor.	Ensure all electrical cables are properly terminated at their points of termination.	6/29/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
26	Electrical wiring and conduit is not properly supported.	Provide adequate supports for electrical wiring and conduit.	6/29/2014 12:00:00 AM	On 17/11/2015: Improper support and protection observed at some places. Cable, outside the building, should be laid on cable tray/ladder with cover on that. New timeline given till 30-Dec/15 to close this issue. On 17/07/2016: Corrected.	17/11/2015	Done	Corrected	

Item No	Accord Inspection Observation	Accord Action Plan (Recommendation)	Accord Time line (given in report)	Comments from Accord (After Physical Inspection)	Final Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
27	The generator room on the ground floor is not properly illuminated.	Ensure generator room is properly illuminated.	6/29/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
28	No signage indicating the prohibition of light fixtures without protective covers has been installed at required locations in the 3rd Floor sewing area.	Ensure signage indicating the prohibition of light fixtures without protective covers is installed at required locations.	7/13/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
29	Transformer oil analysis is not routinely completed on main service transformers.	Complete an oil test on applicable transformers. If a harmful substance is found in the report, then consider replacing transformer oil to reduce health hazards.	7/13/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	

Item No	Accord Inspection Observation	Accord Action Plan (Recommendation)	Accord Time line (given in report)	Comments from Accord (After Physical Inspection)	Final Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
30	All equipment and safety signage is not posted within the substation room.	Post required equipment and safety signage within the substation room.	6/15/2014 12:00:00 AM	Verified at Accord first follow-up inspection.	17/11/2015	Done	Corrected	
31	New Finding: Inadequate rubber (insulation) mat on the working area of distribution board/panel.	Put electrical insulation (rubber mat) on the working area of each electrical installation (Transformer/LT panel/MDB/DB/SDB/ other manual operated machineries)		On 17/07/2016: Corrected.	17/11/2015	Done. Already Put electrical insulation (rubber mat) on the working area of each electrical installation	Corrected	
32	New Finding: Electric safety training program is not initiated/ conducted.	Electrical safety training and awareness program for the electrical personal and workers must be initiated and recorded		On 17/07/2016: Corrected.	17/11/2015	Done. Already conducted Electrical safety training program.	Corrected	

Item No	Accord Inspection Observation	Accord Action Plan (Recommendation)	Accord Time line (given in report)	Comments from Accord (After Physical Inspection)	Final Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
33	New Finding: Lightning Protections System (LPS) is inadequate for the factory	Redesign/modify LPS for your factory to increase safety	8/30/2016 12:00:00 AM	On 05/03/2017: Corrected.	11/08/2016	Done. Already installaed three airterminal.	Corrected	
34	New Finding: Heat source (or exposed steam line) is adjacent to electrical installations (cable channel/duct)	Heat source (or steam line) must be kept at least 0.9 meter apart from any electrical installation. In unavoidable case, heat source shall be covered by proper and adequate insulator.	1 Month					