

ELECTRICAL SAFETY FOLLOW UP INSPECTION REPORT (6TH)

Factory Name	Ayesha Clothing Co. Ltd.				Note:	
Address	Jamgara, Gazirchot Alia Madrasha, Ashulia					
FACTORY ID	9713	ELECTRICAL SAFETY INSPECTION DATES				
Initial Inspection Date	03/05/2014	Date of 5 th Follow Up	30/10/2017	Date of 11 th Follow Up	Other Factory:	
Report Received Date		Date of 6 th Follow Up	18/11/2018	Date of 12 th Follow Up		
Date of 1 st Follow Up	09/11/2015	Date of 7 th Follow Up		Date of 13 th Follow Up		
Date of 2 nd Follow Up	10/03/2016	Date of 8 th Follow Up		Date of 14 th Follow Up		
Date of 3 rd Follow Up	11/04/2017	Date of 9 th Follow Up		Date of 15 th Follow Up		
Date of 4 th Follow Up	23/07/2017	Date of 10 th Follow Up		Date of 16 th Follow Up		
Inspected by		Mehedi Hasan				

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1	Electrical cables are not sized according to capacity of circuit breakers.	Consult with a qualified Electrical Engineer and ensure electrical wiring/cables are sized according to capacity of circuit breakers.	7/19/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done	Corrected	
2	Emergency power switchboards, distribution boards, and circuits are not identified.	Ensure proper identification of emergency power switchboards, distribution boards, and circuits.	6/20/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	

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3	The generator room is not properly ventilated.	Ensure the generator room is properly ventilated.	7/5/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	
4	The substation room has no required fire rating, but is physically separated from the remainder of the building.	Provide adequate fire rating/protection for the substation room.	7/19/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/07/2015	Done.	Corrected	
5	The generator room is not properly rated, but is physically separated from the remainder of the building.	Ensure the generator room properly rated.	7/5/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/07/2015	Done.	Corrected	

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6	Indications of overheating (83.8°C) were observed in the thermographic scan.	Find out the cause of overheating and take proper action.	5/23/2014 12:00:00 AM	On 09/11/2015: Corrected. No overheating found in the factory.	'25/05/2015	Done.	Corrected	
7	Wiring systems are not selected and erected considering the effect of damage caused by ingress of water.	Ensure wiring systems are selected and erected so that no damage is caused by the ingress of water.	7/5/2014 12:00:00 AM	On 09/11/2015: Corrected. Panels here are shifted to another location.	'30/04/2015	Done.	Corrected	
8	Multi looping of cables observed at circuit breakers within distribution boards.	Remove multi looping of wiring/cables at circuit breakers within distribution boards.	7/19/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	

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9	Circuits are drawn for loads without the incorporation of an overcurrent protection device (circuit breaker).	Ensure overcurrent protection device (circuit breaker) for each and every load.	7/5/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done	Corrected	
10	Distribution boards are metal enclosed but no dead front construction.	Ensure switchboards and/or distribution boards are metal enclosed with a dead front construction.	6/20/2014 12:00:00 AM	On 09/11/2015: This issue is not done yet. New committed timeline is given till 30-12-15 to close the issue. On 10/03/2016: Corrected.	'30/12/2015	Done	Corrected	
11	Distribution boards are not installed in compliant locations (access barred/limited).	Install switchboards and/or distribution boards in compliant locations so that operation is not hindered due to limited access.	7/19/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/06/2015	Done	Corrected	

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12	Panel boards are installed above sinks.	Ensure switchboards and/or panel boards are not installed above gas stoves or sinks or within 2.5m of any washing unit in washing rooms or laundries.	7/19/2014 12:00:00 AM	On 09/11/2015: Corrected. This panel is now not in use.	'30/06/2015	Done	Corrected	
13	Cable trenches are not covered properly.	Provide adequate cover on cable trench.	6/20/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	
14	The size of generator room is not appropriate.	Ensure appropriate size for generator room in order to properly access the generator to perform routine maintenance activities.	8/16/2014 12:00:00 AM	On 09/11/2015: NOT Corrected yet. New committed timeline is given till 30th December, 15 to close this issue. On 11/06/2016: Factory sent a CAP where they are asking for 30/06/2016 which is not accepted. Hence corrective action plan shall have to be completed within 19/04/2016.	'19/04/2016	Done.	Corrected	

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15	The substation room is not secured properly.	Install security measures to ensure access to the substation room is restricted.	6/13/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	
16	No wire/cable shaft is provided for the whole building. Location: Aminul Building; MIR Building.	Provide wire/cable shaft for the whole building. Ensure wiring and cables are arranged in shaft for ease of inspection and maintenance.	8/16/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/07/2015	Done.	Corrected	
17	Distribution boards are not 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.	Ensure 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.	7/19/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	

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18	Distribution boards do not have capacity information labels.	Provide capacity information labels (Maximum current rating, no of circuit breakers etc.) for switchboards and/or distribution boards.	7/5/2014 12:00:00 AM	On 09/11/2015: Corrected.	30/04/2015	Done.	Corrected	
19	Electrical cables are not properly identified.	Ensure the means of identification is obtained by separate color coding, marking tape, tagging, or other approved means.	7/19/2014 12:00:00 AM	On 09/11/2015: This issue is not done yet. New committed timeline is given till 30-12-15 to close the issue. On 10/03/2016: Corrected.	30/12/2015	Done.	Corrected	
20	The air termination network vertical and horizontal conductors are not appropriately spaced.	Ensure the air termination network vertical and horizontal conductors are appropriately spaced.	7/5/2014 12:00:00 AM	On 09/11/2015: This issue is not done yet. New committed timeline is given till 30-12-15 to close the issue. On 10/03/2016: Corrected.	30/12/2015	Done.	Corrected	

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21	The appropriate numbers of down conductors are not installed based on the building size.	Ensure appropriate numbers of down conductors are installed based on the building size.	7/5/2014 12:00:00 AM	On 09/11/2015: This issue is not done yet. New committed timeline is given till 30-12-15 to close the issue. On 10/03/2016: Corrected.	'30/12/2015	Done.	Corrected	
22	No detailed drawing found to confirm that the lightning protection ground terminals are bonded to the building or structure grounding.	Consult with an expert engineer to have detailed designs and drawings of lightning protection system and to ensure your building is secured.	7/5/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	
23	Thermographic scans of electrical Equipment are not completed.	Complete thermographic scans at least on a tri-annual basis. Thermographic scans should be completed in accordance with the Standard for Infrared Inspection of Electrical Systems & Rotating Equipment and NFPA70B or a comparable standard.	7/19/2014 12:00:00 AM	On 09/11/2015: Corrected.	'25/05/2015	Done.	Corrected	

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24	The substation room does not have adequate ventilation. Location: Substation room.	Provide means of ventilation for the substation room. Consult a qualified electrical engineer to determine the required ventilation rates based on the installed equipment.	7/5/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done	Corrected	
25	Each circuit is provided with a dedicated neutral but not identified.	Provide and identify a dedicated neutral for each circuit.	7/19/2014 12:00:00 AM	On 09/11/2015: This issue is not done yet. New committed timeline is given till 30-12-15 to close the issue. On 10/03/2016: Corrected.	'30/12/2015	Done	Corrected	
26	The generator frame earthing (grounding) is not provided at two separate points.	Provide two separate points earthing (grounding) provided for generator.	7/5/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	

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27	The substation room is not illuminated properly.	Provide additional light fixtures to increase illumination levels provided in the BNBC.	7/5/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	
28	The generator room is not properly illuminated.	Ensure the generator room is properly illuminated.	7/5/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	
29	Improper cable joints were found.	Ensure cable joints are through porcelain/PVC connectors with PIB tape wound around joint.	7/19/2014 12:00:00 AM	On 09/11/2015: Corrected. No cable joints found.	'30/05/2015	Done.	Corrected	

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30	Electrical wiring and conduit is not properly supported.	Provide adequate supports for electrical wiring and conduit.	7/5/2014 12:00:00 AM	On 09/11/2015: This issue is not done yet. New committed timeline is given till 30-12-15 to close the issue. On 10/03/2016: Corrected.	'30/12/2015	Done.	Corrected	
31	Inspection, maintenance, and testing procedures of the UPS are not completed.	Ensure inspection, maintenance, and testing procedures of the UPS are completed and documented.	7/19/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	
32	Required equipment and safety signage is not posted within the room.	Ensure equipment and safety signage is properly posted in the room.	6/20/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	

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33	No signage indicating the prohibition of light fixtures without protective covers is installed at required locations.	Ensure Signage indicating the prohibition of light fixtures without protective covers is installed at required locations.	6/20/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	
34	Inspection, maintenance, and testing procedures of the emergency generator are not being completed.	Ensure inspection, maintenance, and testing procedures of the emergency generator being completed and documented.	7/19/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	
35	No firefighting equipment is installed inside one generator room (Firefighting equipment is installed in the other generator room).	Install appropriate type and number of firefighting equipment inside the generator room.	6/20/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	

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36	Phase separators are not provided between terminals on circuit breakers.	Install phase separators between terminal connections at the noted locations.	7/5/2014 12:00:00 AM	On 09/11/2015: Corrected.	'30/04/2015	Done.	Corrected	
37	New Finding: LPS system needs modifications. Stair cases are not covered properly. Some places, air terminals are improperly placed. No water tanks are covered. At one place, mesh width	Need to modify the installation of LPS system.	1 Month	On 30/10/2017: Corrected.	'25/08/2017	Done.	Corrected	
38	New Finding: Power Cables are hanging without proper support.	Power cables must be supported by cable tray (ladder- where needed). Outdoor arrangement must be covered.	1 Month	On 30/10/2017: Corrected.	'25/08/2017	Done.	Corrected	

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39	New Finding: Cables of dryer are not supported. (It is found in all through the dryer section).	Power cables must be supported by cable tray (ladder- where needed). Outdoor arrangement must be covered.	1 Month	On 30/10/2017: Corrected.	'25/08/2017	Done.	Corrected	
40	New Finding: Generator terminal box is not sealed.	Each electrical terminal box must be properly sealed to avoid ingress of fluffs.	1 Month	On 30/10/2017: Corrected.	'25/08/2017	Done.	Corrected	
41	New Finding: Outdoor Cable trays are not covered to protect from weather effect.	Outdoor cable tray/ladders shall be covered properly to avoid seasonal effect on cables and its longevity.	1 Month	On 30/10/2017: Corrected.	'25/08/2017	Done.	Corrected	

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42	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	On 30/10/2017: Corrected.	'25/08/2017	Done.	Corrected	
43	New Finding: Periodicity of thermographic inspection is not maintained.	Thermographic inspection shall be done at least once in six months period.	1 Month	On 30/10/2017: Corrected.	'25/08/2017	Done.	Corrected	
44	New Finding: MDB room (Specially MDB-Wash) is not ventilated. (Room temperature is too high to do maintenance work.)	Proper ventilation system is necessary to keep the room temperature low (ambient).	1 Month	On 30/10/2017: Corrected.	'25/08/2017	Done.	Corrected	

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45	New Finding: Earth connections of generators are not segregated.	All the earth connections (generator earth bond, neutral grounding and electrical systems) must be segregated and clearly marked (for TT earthing system).	1 Month	On 30/10/2017: Corrected.	'25/08/2017	Done.	Corrected	
46	New Finding: Flammable materials (sample of garments) are hanging from electrical cable channels.	Electrical cables, equipment, panel boards, cable trenches, ducts, raceways shall be kept free from flammable materials.	1 Month	On 30/10/2017: Corrected.	'25/08/2017	Done.	Corrected	