

ELECTRICAL SAFETY FOLLOW UP INSPECTION REPORT (6TH)

Factory Name	UTAH Fashion	s Ltd			Note:	
Address	South Shalna, Shaln	na Bazar Gazipur Gazipur D	~		ivoic.	
FACTORY ID	9532	ELECTRICAL	SAFETY INSPE	CTION DATES		
Initial Inspection Date		24/04/2014	14/09/2017	Date of 5 th Follow Up	Other Factory:	
Report Received Date		04/12/2015	05/09/2018	Date of 6 th Follow Up		
Date of 1 st Follow Up		14/10/2015		Date of 7 th Follow Up		
Date of 2 nd Follow Up		02/03/2016		Date of 8 th Follow Up		
Date of 3 rd Follow Up		02/03/2017		Date of 9 th Follow Up		
Date of 4 th Follow Up		30/05/2017		Date of 10 th Follow Up		
Inspected by		Shamim Md Osman				

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1	covered conductors, however the connection is not led into the building in an	The overhead service connection shall be led into buildings via roof poles or service masts made of GI pipe having a goose neck bend at the top and installed on the outer wall.	8/21/2014	On 02/03/2017: Corrected. 400v cable replaced by 11kv cable.	'15/04/2016	Accord team verified and found corrected.	Corrected	
2	workers reported that they received training, however no documentation could be provided for confirmation.	nock out tag out	8/18/2014	Already Corrected at Accord 1st follow-up	'31/05/2015	Accord team verified and found corrected.	Corrected	



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3	the 4th and 5th floors are close to the windows,	Provide adequate protection so that no damage is caused by the ingress of water. Panels may need to be moved, or windows permanently sealed closed.	41981	Window is sealed permanently	'31/12/2015	Accord team verified and found corrected.	Corrected	
4	materials are	Remove improperly stored combustible materials from the 2nd substation room.	41919	Corrected at previous follow up.	'15/12/2015	Accord team verified and found corrected.	Corrected	
5	corner of the	Separated generator five from other occupancies in main building by 2-hour fire resistant assembly.	41828	On 02/03/2017: Corrected. Generator(23kVA) removed from mentioned location.	'15/04/2016	Accord team verified and found corrected.	Corrected	



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6	No evidence of a documented Insulation Resistance	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).	41767	Already Corrected at Accord 1st follow-up	'31/07/2015	Accord team verified and found corrected.	Corrected	
	identification was not found on multiple switchboards and/or distribution	All distribution boards shall be marked "Lighting" or "Power", as the case may be, and also be marked with the voltage and number of phases of the supply.	7/21/2014	Already Corrected at Accord 1st follow-up	'31/07/2015	Accord team verified and found corrected.	Corrected	
8	No capacity information labels were found.	Label all switchboards and/or distribution boards in the factory with capacity information. The permanent label should identify the maximum voltage present in an item of equipment or within the enclosure.	41737	Already Corrected at Accord 1st follow-up	'31/07/2015	Accord team verified and found corrected.	Corrected	



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9	several celling-	Repair/replace ceiling fan canopies. Coils and wiring should be covered.	41767	Already Corrected at Accord 1st follow-up	'20/09/2015	Accord team verified and found corrected.	Corrected	
10	switchboards on the management section at main building are placed on the	Repair/Replace broken or damage switchboards. Consider moving switchboards from floor or use resistant (metal) materials for construction of covers and boxes.		Corrected at previous follow up.	'15/03/2016	Accord team verified and found corrected.	Corrected	
11	(5) (23kVA) is only grounded at	Ground generator at two separate points as per Bangladesh Electricity Rules 1937, Clause 57	41737	Already Corrected at Accord 1st follow-up	'20/09/2015	Accord team verified and found corrected.	Corrected	



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12	however the 2nd substation does	Provide additional light fixtures to increase illumination levels provided in the BNBC.	7/22/2014	Already Corrected at Accord 1st follow-up	'20/09/2015	Accord team verified and found corrected.	Corrected	
13	REB supply is	Remove all dirt, debris, lint, water, oil, and improperly stored materials from the substation room.	7/22/2014	Already Corrected at Accord 1st follow-up	'20/09/2015	Accord team verified and found corrected.	Corrected	
14	2nd Substation room is not adequately 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.	41767	Corrected at previous follow up.	'31/12/2015	Accord team verified and found corrected.	Corrected	



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15	east corner of the	All cabling and wiring must be supported and covered for safety. Install cable trays/ladder/risers or rigid conduits for the noted cabling to prevent from mechanical stress and physical damages. Conduits must be firmly affixed to the walls.	41767	Corrected at previous follow up.	'01/01/2016	Accord team verified and found corrected.	Corrected	
16	No signage was found indicating the prohibition of light fixtures without protective covers	rotective covers (otherwise known as naked lights) shall not be allowed in storage areas or in any area where the Inspector of the Factories Rules (1.6.3.7) Part 53 disallows these fixtures. Install signs posted in Bengali and English, indicating this prohibition at all entrances		Corrected at previous follow up.	'15/12/2015	Accord team verified and found corrected.	Corrected	
17	Hot spots at terminations inside panel. Thermo graphic inspection record	Arrange periodic inspection & thermal scan at least twice in a year to identify the overloading, loose connection, unbalanced load which may cause the excessive heat-rise and take action accordingly. However, immediately correct such points.		On 02/03/2017: Corrected.	'21/06/2016	Accord team verified and found corrected.	Corrected	



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18	New Finding: Lightning Protections System (LPS) is inadequate for the factory whether appropriate drawing is available in the factory	Install LPS for your factory according to the drawing which is available in the factory		On 02/03/2017: Corrected.	'15/05/2016	Accord team verified and found corrected.	Corrected	
19	New Finding: Electrical Single Line Diagram (SLD) has inadequate information which has no effectiveness.	Prepare SLD more informative thus anyone can understand it.	2 months	On 02/03/2017: Not Corrected. On 30/05/2017: Not corrected. On 14/09/2017: Not corrected. Found as built in most of the place, but all place cannot be access due to retrofitting work. On 05/09/2018: Corrected.	'15/05/2016	DONE, Already we have prepared SLD as per ACCORD guideline.	Corrected	AS BUILT
20	New Finding: Power cables entering or exiting from Distribution board/panel are not properly fixed.	Power cables entering or exiting from distribution board/panel must be fixed through Panel base/top plate using proper sized cable glands (metal/PVC).	1 Month	On 30/05/2017: Not corrected. On 14/09/2017: Not corrected. In few places cables found without support. On 05/09/2018: Corrected.	'15/04/2017	DONE, Already we have fixed all power cables entering and exiting from distribution board/panel with using proper size cable glands.	Corrected	



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21	New Finding: Insulation resistance record (cable information) doesn't match with field	Field information must be reflected in the record and significantly lower sized cables' record shall be avoided	1 Month	On 14/09/2017: Not corrected. Insulation test found, but cable size is not mentioned in the report. On 05/09/2018: Corrected.	'10/07/2017	DONE, Already we have arranged Insulation test with cable size mentioned in the report.	Corrected	No nor from Pro Originary Constrained Anv V No
22	New Finding: LPS not maintained regularly. Connectors are rusted. Earth pits resistance test report for LPS is not prepared properly Air terminal spacing is not accurate & all metals are not bonded properly	Rusted/damaged joints, air terminals, conductor shall be cleaned/replaced. LPS shall be maintained regularly for loosened joints, damaged/broken air terminals & bonding. All earthing systems for LPS shall be tested for resistance on any dry day not less than once in every two years. A record of every earth test made and the result shall be kept for not less than two years and shall be available to the Inspector when required Air terminal spacing & bonding shall be done properly	1 Month	On 14/09/2017: Not corrected. Air terminal spacing is found ok, but rest of work is not done yet. On 05/09/2018: Corrected.	'10/07/2017	DONE, Already we have installed LPS as per ACCORD guideline	Corrected	



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23	Power cables are bent excessively	Power cables must be installed as straight as possible; in unavoidable case, not less than 135- degree bending can be allowed. Indicator lights should be connected by control device such as rated fuse or MCB.	1 Month	On 14/09/2017: Not Corrected. Indicator is provided with protection. Cable bending is not removed yet. On 05/09/2018: Corrected.	'10/07/2017	DOEN, Already we have taken necessary corrective action	Corrected	
24		CPR instruction shall be hanged near all electrical installations (LT panel, MDB, FDB, DB, SDB) at visible location	1 Month	On 14/09/2017: Corrected.	'10/07/2017	Corrected	Corrected	
25	channal/duct	cable ducts must be properly sealed to avoid ingression of any foreign particles.	1 Month	On 14/09/2017: Not Corrected. Still few cable ducts is not covered yet. On 05/09/2018: Corrected.	'10/07/2017	DONE, Already we have provided cable ducts in all electrical channel.	Corrected	



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26	Loop connection has been used powering multiple circuits through MCB/MCCBs. Multiple cables connected/termi nated at the bus bar using single	No loop connection shall be used; each single cable shall be terminated using cable lug (flat/I) at each terminal. Combo bus bar may be used (but incoming cable size must meet the rated capacity) Each power cable must be terminated at any point using single cable lug.	1 Month	On 14/09/2017: Not Corrected. Looping connection has been removed. Multiple connections found on those breaker installed on cable duct On 05/09/2018: Corrected.	'10/07/2017	DONE, Already we have taken necessary corrective action	Corrected	



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27	n boxes are inaccessible or cannot be	Each electrical distribution board/panel must be easily accessible. In case of height its top shall not be higher than 2m from base; and door opening shall be at least 90 degree. Electrical insulation (not less than 3 mm thick in case of rubber mat) at the working area of each electrical installation (Transformer/LT panel/MDB/DB/SDB/ other manual operated machineries) must be ensured.	1 Month	On 14/09/2017: Not Corrected. Rubber mat is provided in front of panel, but there are many inaccessible panel. On 05/09/2018: Corrected.	'10/07/2017	DONE / CORRECTED Already we have taken corrective actions and now made all the panels accessible . Please see the attached evidence	Corrected	DRNDOQ DR
28	MCCBs are not	All the MCCBs must be adjusted per cable current ampacity/load current; if adjustment is not possible, replacement will be the only way.	1 Month	On 14/09/2017: Not Corrected. Higher size breaker is still found in few places. On 05/09/2018: Corrected.	'10/07/2017	DONE, Already we have removed all oversize circuit brackers.	Corrected	



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29	are joined (splicing)	Splicing in the power cables shall be avoided; in unavoidable cases splicing, must be made following proper guidance.	1 Month	On 14/09/2017: Not Corrected. Only inside the panel, corrective action has been taken. There are many outside the panel yet to correct. On 05/09/2018: Corrected.	'10/07/ 2 017	DONE, Already we have taken necessary corrective action of all inside and outside panel	Corrected	
30	New Finding: Phase barrier/separator s are missing in MCCBs Power bus bars are installed	Phases must be separated by insulator (a rubber type no-flammable materials shall be used for it) Power bus bar must be installed with adequate clearance (not less than 2.5 inch for LV) between two bars.	1 Month	On 14/09/2017: Not Corrected. Phase separator has been provided between circuit breaker in few places, but busbars are still found congested without insulation. On 05/09/2018: Corrected.	'10/07/2017	DONE, Already we have installed Phase barrier/separators in MCCBs	Corrected	MINICAT BREAMER DI MONOCIONALI AND
31	Power cable is buried in the	Power cables must not be buried in the concrete. A cable trench shall be constructed or routing power cables.	1 Month	On 14/09/2017: Not Corrected. Provide cable protection in floor penetration area. On 05/09/2018: Corrected.	'10/07/ 2 017	DONE, Already we have taken necessary corrective action as required.	Corrected	00 09-2018



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32	Hot spots have been observed at	Thermography survey must be done and recorded at least twice in a year. Hot spots must be removed.		On 14/09/2017: Corrected.	'10/07/ 2 017	Corrected	Corrected	
33	different electrical installation are not segregated	All the earth connections (transformer, generator and electrical systems) must be segregated and clearly marked (for TT earthing system).	1 Month	On 14/09/2017: Not Corrected. Identification is not completed yet. Prepared an earthing layout and ensure a required number of earthing is connected to equipment. On 05/09/2018: Corrected.	'10/07/2017	DONE, We have installed segregation and marking of earth connections (transformer, generator and electrical systems) (for TT earthing system).	Corrected	et e



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34	New Finding:	Each earth pit shall be properly identifiable and marked for periodic maintenance.	1 Month	On 14/09/2017: Not Corrected. Identification is done inside the room & on the busbar only. Provide identification on the earth pit location. On 05/09/2018: Corrected.	'10/07/2017	DONE, We have provided identification marking of all earth pit and performing periodic maintenance.	Corrected	
	Floor in generator room is wet. Generator output cables (laid on floor) are not protected and supported Generator output box has openings Generator may be damaged by ingress of rain	unexpected accident. Service cables from generator must be supported at its own breaker's terminal and with cable tray.	1 Month	On 14/09/2017: Not Corrected. Generator room is not completely accessible due to massive retrofitting work. On 05/09/2018: Corrected.	'10/07/2017	DONE, We have been completed retrofitting work. Now, Easy access to Generator room for authorized personnel	Corrected	



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36	New Finding: Power socket is kept on floor	Power socket shall be install at minimum 200mm above the floor with a rigid support.	1 Month	On 05/09/2018: Corrected.	'25/09/2017	DONE / CORRECTED Already we have installed all power socket at minimum 200mm above the floor with a rigid support. Please see the attached evidence	Corrected	05.09.2018
37	New Finding: Circuit is drawn from bus bar without any protective means	Each electrical circuit must be drawn from distribution board busbar using a proper type protection arrangement (MCCB/MCB).	2 Months	On 05/09/2018: Corrected.	'25/10/2017	DONE, Already we have arranged all electrical circuit drawn from distribution board busbar using a proper type protection (MCCB/MCB).	Corrected	
38	New Finding: IP rating of the Panel enclosure installed outdoor is not compatible with the surrounding environment.	raner board instanced exposed to weather, to drip or in abnormally moist atmosphere, the outer casing shall be weather proof and shall be provided with glands or bushings or adapted to receive screwed conduit. IP rating of panel board for outdoor installation shall be according to the	1 Month	On 05/09/2018: Corrected. The panel has been removed.	'25/09/2017	DONE, Corrective action taken	Corrected	



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39	New Finding: The substation room (equipment rated 1200A or more) does not have a continuous and unobstructed way of egress travel.	The room shall have an entrance to and egress from (2 ft. X 6 ¹ / ₂ ft.) at each end of the working space if its equipment is rated 1200A or more and over 6ft wide. The doors(with panic hardware) need to be opened in the direction of egress if the door is located less than 25ft from the nearest edge of the working space. (The room shall have only one entrance if the working space depth is double, and the equipment located no closer than the required working space from the edge of the equipment)		On 05/09/2018: Corrected.	'25/10/2017	DONE, Already we have taken necessary corrective action as per ACCORD guideline.	Corrected	
40	New Finding: MCCB is	Each MCCB/MCB must be enclosed by proper type material. the material must not be more than 18 SWG graded.	1 Month	On 05/09/2018: Corrected.	'25/09/2017	Already we have installed MCCB with proper materials	Corrected	05.09.2018



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41	Power Cables run through flexible conduit without	Power cables must be supported by cable tray/ ladder- where needed. Use rigid conduit where there is a chance of cable damage.	1 Month	On 05/09/2018: Corrected.	25/09/2017	Already we have installed cable tray/ laddeer for power cable supporting.	Corrected	