

ELECTRICAL SAFETY FOLLOW UP INSPECTION REPORT (11TH)

Factory Name	United Fashion Trouser Ltd.					Note:
Address	Chaydana, P.O. National University, Gazipur					
FACTORY ID	10828	ELECTRICAL SAFETY INSPECTION DATES				Other Factory:
Initial Inspection Date	04/04/2015	Date of 5 th Follow Up	24/11/2016	Date of 11 th Follow Up	10/11/2018	
Report Received Date	01/09/2015	Date of 6 th Follow Up	24/01/2017	Date of 12 th Follow Up		
Date of 1 st Follow Up	12/11/2015	Date of 7 th Follow Up	27/04/2017	Date of 13 th Follow Up		
Date of 2 nd Follow Up	22/12/2015	Date of 8 th Follow Up	02/08/2017	Date of 14 th Follow Up		
Date of 3 rd Follow Up	24/03/2016	Date of 9 th Follow Up	28/12/2017	Date of 15 th Follow Up		
Date of 4 th Follow Up	25/08/2016	Date of 10 th Follow Up	09/07/2018	Date of 16 th Follow Up		
Inspected by	Abu Zobair					

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	Insulation resistance test of electrical equipment is not performed.	Insulation resistant test of all the cables must be performed once every 2 year cycle and recorded (this must require a complete power shut off).	8 weeks	This issue was verified in 2nd follow-up inspection.	30/10/2015	Corrected	Corrected	
2	Lightning Protections system(LPS) is inadequate for the factory.	Redesign/modify lightning protection system(LPS) in the factory to increase safety.	16 weeks	On 24/03/16: This issue is not corrected. New timeline is given till 24-05-2016 On 25/08/2016:Not corrected. LPS drawing is not as built. On 24/11/2016:Not Corrected. Need some modifications. On 24/01/2017:Not Corrected. Test report	24/05/2016		Corrected	

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3	Electrical Single Line Diagram (SLD) is not amended properly.	Amend Electrical SLD properly. Mention all the modification there as present in the factory.	12 weeks	On 24/03/16: This issue is not corrected yet. New committed timeline is given till 24-05-2016 On 25/08/16: Not corrected. SLD is not available. On 24/11/2016: Not Corrected. On 24/01/2017: Not Corrected. SLD is not available.	24/05/2016		Corrected	
4	Thermo graphic scanning of the entire electrical system has not been performed.	Thermo graphic scanning of the entire electrical system must be performed twice in a year.	4 weeks	On 24/03/16: This issue is not corrected yet because report has inadequate information. New committed timeline is given till 24-04-2016 On 25/08/16: Not corrected. Scanning is not done periodically. On 24/11/2016: Not Corrected. Not updated. On 24/01/2017: Not Corrected.	24/04/2016	Thermographic scanning has been completed .	Corrected	
5	Electrical safety program is not initiated.	Electrical safety training and awareness program for the electrical personnel and workers must be initiated and recorded.	8 weeks	This issue was verified in 1st follow-up inspection.	30/10/2015	corrected on flow Inspection	Corrected	

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6	Maintenance records do not reflect actual factory circumstances; the records do not detail out all the electrical equipment/Machinery.	Maintenance Manager or safety officer must keep accurate records and ensure that they reflect actual factory day to day operation.	4 weeks	On 24/03/16: This issue is not corrected yet. New committed timeline is given till 24-04-2016 On 25/08/16: Not corrected. On 24/11/2016: Not Corrected. On 24/01/2017: Not Corrected. Record is not proper.	'24/04/2016	Now our maintenance manager kept accurate record all electrical equipment/Machinery.	Corrected	
7	Transformer oil Test report is unavailable.	Check the transformer oil condition by performing oil test , this must be done twice a year and recorded.	8 weeks	This issue was verified in 2nd follow-up inspection.	'30/10/2015	corrected on flow Inspection	Corrected	
8	Earth Pit resistance record is unavailable.	Record earth pit resistances for all the earth pits, and do it once a year.	8 weeks	On 24/03/16: This issue is not corrected yet. New committed timeline is given till 14-04-2016 On 25/08/16: Corrected	'14/04/2016	corrected on flow Inspection	Corrected	

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9	Instruction for CPR (Cardiopulmonary Resuscitation) or Electrical shock restoration is missing from some of the panel rooms and electrical equipment.	Hang this first aid and CPR instructions near all electrical equipment (LT panel, MDB, FDB, DB, SDB) on a visible location.	8 weeks	This issue was verified in 3rd follow-up inspection.	'29/02/2016	corrected on flow Inspection	Corrected	
10	Hot spot detected on MCB pole.	Arrange periodic inspection & identify the overloading, loose connection, unbalanced load which may cause the excessive heat - rise and take action accordingly.	Immediate.	Extended timeline from the factory is not accepted. They have to complete it within Accord given timeline. On 24/03/16: This issue is not corrected yet. New committed timeline is given till 05-04-2016. On 25/08/16: Not corrected. On 24/11/2016: Not Corrected.	'05/04/2016	In progress. Will completed by 30 June	Corrected	
11	Burn sign inside the panel.	Arrange periodic inspection & Thermal scan to identify the overloading, loose connection, unbalanced load which may cause the burn and take action accordingly.	Immediate.	This issue was verified in 3rd follow-up inspection.	'15/02/2016	corrected on flow Inspection	Corrected	

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12	Excessive Bent in cable.	Sharp cable bends shall be avoided such that no stress is imposed on the termination of the cable or insulation of the cable.	4 weeks	Extended timeline from the factory is not accepted. They have to complete it within Accord given timeline. On 24/03/16: This issue is not corrected yet. New committed timeline is given till 15-04-2016 On 25/08/16:Not corrected. On 24/11/2016:Not Corrected	'15/04/2016	In progress. Will completed by 30 June	Corrected	
13	Phase Barrier /separators between different phases are not installed.	Install separators between different phases of MCCB. Standard separators provided by the MCCB manufacturer must be used.	8 weeks	This issue was verified in 3rd follow-up inspection.	'29/02/2016	corrected on flow Inspection	Corrected	
14	Combustible material stored very close to distribution panel.	Panel must be installed in a safe location.	Immediate.	This issue was verified in 2nd follow-up inspection.	'30/10/2015	corrected on flow Inspection	Corrected	

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15	Panel is not readily accessible.	Relocate the panel to a location where it is easily accessible for ease of its operation and maintenance.	4 weeks	Extended timeline from the factory is not accepted. They have to complete it within Accord given timeline. On 24/03/16:This issue is not corrected yet. New committed timeline has given till 30-04-2016 On 25/08/16:Not corrected. On 24/11/2016:Not Corrected. On 24/01/2017:Not Corrected. On 27/04/2017:Not corrected.	'30/04/2016	In progress. Will completed by 30 June	Corrected	
16	New Finding: Cables laid on concrete floor.	Cables must be supported on cable trays and riser. Cables may be laid in cable trench with covers.	2 Months	This issue was verified in 3rd follow-up inspection.	'29/02/2016	corrected on flow Inspection	Corrected	
17	New Finding: Large exhaust fans floors are directly controlled by the MCB from panel.	Large exhaust fans must be connected through control device such that it will not restart automatically when power is restored. The exhaust fans should be controlled by Direct-On-Line (DOL) switch.	2 Months	This issue was verified in 3rd follow-up inspection.	'29/02/2016	corrected on flow Inspection	Corrected	

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18	New Finding: Generator body has one earth connection.	Ensure minimum two earthing connection for generator body (consult with your generator supplier).	2 Months	This issue was verified in 3rd follow-up inspection.	'29/02/2016	corrected on flow Inspection	Corrected	
19	New Finding: Battery terminals are left open.	Use insulated rubber cap to cover all the battery terminals.	2 Months	This issue was verified in 2nd follow-up inspection.	'17/01/2016	corrected on flow Inspection	Corrected	
20	New Finding: Transformer Body earthing cable is inadequate.	Use 10-12 mm dia bare copper conductor for reliability; or the earth cable size must not be less than half of the phase cable (LT cables).	2 Months	This issue was verified in 3rd follow-up inspection.	'29/02/2016	corrected on flow Inspection	Corrected	

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21	New Finding: Power cable is covered by sand in the cable trench (or cable trench is filled with sand).	If it is designed keeping Power cable under sand, its OK; otherwise remove sand from cable trench avoiding physical damage of HT cable.	2 Months	On 24/03/16: This issue is not corrected yet. New committed timeline has given till 24-04-2016 On 25/08/16: Not corrected. On 24/11/2016: Corrected.	'24/04/2016	corrected on flow Inspection	Corrected	
22	New Finding: HT Cables & LT cables are not separated.	HT Cables & LT cables must be separated. Use separate cable trays having adequate distance between them.	2 Months	On 24/03/16: This issue is not corrected yet. New committed timeline is given till 24-04-2016 On 25/08/16: Not corrected. On 24/11/2016: Not Corrected. On 24/01/2017: Not Corrected. On 27/04/2017: Not corrected.	'24/04/2016	In progress. Will completed by 30 June	Corrected	
23	New Finding: Bus bar is overloaded.	Rearrange the load or increase the size & quality of bus bar.	2 Months	This issue was verified in 3rd follow-up inspection.	'05/04/2016	corrected on flow Inspection	Corrected	

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24	New Finding: Exposed and heated steam line is close to cable channel.	Wires close/attached to steam line/heat source must be protected from external heat. In unavoidable case provide proper insulation for the heat source/steam line. Normally power cable should keep 0.9m apart from hot area.	2 Months	This issue was verified in 3rd follow-up inspection.	'03/03/2016	corrected on flow Inspection	Corrected	
25	New Finding: Power cables entering to or exiting from Distribution board/panel are not properly fixed.	Power cables entering to or exiting from distribution board/panel must be fixed through Panel base/top plate using cable glands (metal/PVC). You may use cable tray/ladder to support cables.	2 Months	On 24/03/16: This issue is not corrected yet. New committed timeline is given till 15-04-2016 On 25/08/16: Not corrected. On 24/11/2016: Corrected.	'15/04/2016	corrected on flow Inspection	Corrected	
26	New Finding: No/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).	1 Month	This issue was verified in 3rd follow-up inspection.	'11/02/2016	corrected on flow Inspection	Corrected	

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27	New Finding: Wiring has done using flexible PVC cable around boiler surface.	Wires close/attached to boiler must be protected from external heat. In unavoidable case use metal type flexible pipe. Again Power cable should keep 0.9m apart from hot area. Provide adequate support too.	1 Month	On 24/03/16: This issue is not corrected yet. New committed timeline is given till 15-04-2016 On 25/08/16: Corrected	'15/04/2016	corrected on flow Inspection	Corrected	
28	New Finding: Multiple cables terminated at MCCB terminals/ Bus bar.	Terminate each power cable at single terminal and use proper sized cable lug.	1 Month	This issue was verified in 3rd follow-up inspection.	'11/02/2016	corrected on flow Inspection	Corrected	
29	New Finding: Cables in service are joined (splicing) between terminations.	Joints of cable shall be avoided. For unavoidable cases, existing cables with joints must be spliced using butt splicing kits and then should be insulated with electrical tapes. Joints must be supported and protected.	2 Months	This issue was verified in 3rd follow-up inspection.	'03/03/2016	corrected on flow Inspection	Corrected	

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30	New Finding: Cables are hanging without support.	Use cable tray/ladder to support cables at any where to keep cable out of tension.	2 Months	This issue was verified in 3rd follow-up inspection.	'03/03/2016	corrected on flow Inspection	Corrected	
31	New Finding: Panel door has no earth connection.	All metal panel doors shall have earth connection with a 4 mm earth cable.	1 Month	This issue was verified in 3rd follow-up inspection.	'11/02/2016	corrected on flow Inspection	Corrected	
32	New Finding: Unterminated wire is kept inside the electrical panel/cable tray.	All unterminated wires shall be removed.	1 Month	This issue was verified in 3rd follow-up inspection.	'11/02/2016	corrected on flow Inspection	Corrected	

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33	New Finding: Oversized circuit breakers or Circuit breakers are not adjusted accordingly.	Adjust or replace all the MCCBs/MCBs according to cable ampacity (connected load). Avoid using different sized cable at the terminals.	2 Months	<p>On 24/03/16: This issue is not corrected yet. New committed timeline is given till 24-04-2016</p> <p>On 25/08/16:Not corrected.</p> <p>On 24/11/2016:Not Corrected.</p> <p>On 24/01/2017:Not Corrected.</p> <p>On 27/04/2017:Not corrected.</p> <p>On 02/08/2017:Not Corrected.</p> <p>On 28/12/2017: Not Corrected.</p> <p>On 09/07/2018: Not done in all locations.</p> <p>On 10/11/2018: Corrected.</p>	'24/04/2016	Now circuit breakers are adjusted	Corrected	
34	New Finding: MCCB found broken. MCCB/MCB is installed without any enclosure.	Replace the broken MCCB by a good one. All MCCBs/ MCBs must put inside the enclosure made of non-combustible material preferably metallic sheet to protect the cables from physical damage as well as prevent entering debris, dust and lint.	1 Month	This issue was verified in 3rd follow-up inspection.	'11/02/2016	corrected on flow Inspection	Corrected	

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35	New Finding: Cables are laid on concrete floor inside cable tranches.	Cables must be supported on cable ladder and riser with following standard cable laying technique. Cables may be laid in cable trench with covers.	2 Months	Extended timeline from the factory is not accepted. They have to complete it within Accord given timeline. On 25/08/16: Not Corrected. On 24/11/2016: Not Corrected. On 24/01/2017: Not Corrected. On 27/04/2017: Not corrected	'24/05/2016	In progress. Will completed by 30 June	Corrected	
36	New Finding: Indicator lights are mounted without control device.	Indicator lights should be connected by control device such as rated fuse or MCB.	1 Month	On 24/01/2017: Corrected.	'30/12/2016	corrected on flow Inspection	Corrected	
37	New Finding: Loop connection has been used powering multiple circuits through MCB/MCCBs.	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)	1 Month	New extended timeline from 05/06/2017 to 30/06/2017 On 02/08/2017 Not Corrected. On 28/12/2017: Not Corrected. On 09/07/2018: Corrected.	'30/06/2017		Corrected	

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38	New Finding: Unterminated live wire is kept inside the electrical panel/cable tray.	All the unterminated live power cables must be removed as soon as possible.	1 Month	New extended timeline from 05/06/2017 to 30/06/2017 On 02/08/2017 Not Corrected. On 28/12/2017: Not Corrected. On 09/07/2018: Corrected.	'30/06/2017		Corrected	
39	New Finding: No policies for PPE & LOTO (Lock-Out-Tag-Out) are introduced for safety of the personnel during any kind of the personnel during any kind of maintenance work.	Need to introduce and implement PPE & LOTO policy with LOTO (Lock-Out-Tag-Out) device instead of any other means to ensure safety of the personnel during any maintenance. Need to keep all records of using LOTO.	1 Month	On 09/07/2018: Corrected.	'08/02/2018		Corrected	
40	New Finding: Generator terminal box is open/not sealed. Cables have no support when exiting from generator terminal box.	Generator terminal box needs to be sealed with plates and glands. Proper cable ladder must be provided to support the cables.	1 Month	On 09/07/2018: Corrected.	'08/02/2018		Corrected	

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41	New Finding: Distribution Board's top/bottom is left open (typical issue)	Each electrical distribution board/panel must be properly sealed to avoid ingress of fluffs; but an adequate ventilation system must also be ensured. Gland shall be used, where required.	1 Month	On 09/07/2018: Corrected.	'08/02/2018		Corrected	
42	New Finding: Cable channel/duct terminals are left open for ingress of lint, dust or fluffs.	cable ducts must be properly sealed to avoid ingress of any foreign particles.	1 Month	On 09/07/2018: Corrected.	'08/02/2018		Corrected	
43	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 09/07/2018: Corrected.	'08/02/2018		Corrected	

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44	New Finding: Lint and dust deposited on and around the transformer.	Transformer to and around it shall be kept neat and clean.	1 Month	On 09/07/2018: Corrected.	'08/02/2018		Corrected	
45	New Finding: Electrical distribution box/panels are full of fluffs (lint/dirt)	Each electrical distribution board/panel must be properly sealed to avoid ingress of fluffs; but an adequate ventilation system must also be ensured.	1 Month	On 09/07/2018: Not done in all locations. On 10/11/2018: Corrected.	'08/02/2018	All Electrical Distribution board & Panel are full free from lint & Dust by periodically maintenance	Corrected	
46	New Finding: Electrical power cables and circuit breakers are not identified properly	Proper identification (by using cable marker, tag, colored heat shrink) shall be done on each terminals of all cables and circuit breakers used in the system according to SLD.	1 Month	On 09/07/2018: Corrected.	'08/02/2018		Corrected	