

ELECTRICAL SAFETY FOLLOW UP INSPECTION REPORT (12TH)

Factory Name	Eve Dress Shirt Limited	Remarks (If any):
Address	Anowar Jung Road, Holding #219, Ward # 05, Block #A, Ashulia, Savar , Ashulia, Savar.	
Factory ID	11346	
Date of Initial Inspection	31 Mar 2014	
Date of last FUI	23-Jan-2024	
Date of Current FUI	20-Mar-2025	
Inspected by and Author(s)	Md. Niyaz Ahmed	

Item No	Inspection Observation	Inspection Action Plan (Recommendation)	Inspection Timeline (given in report)	Inspection Comments (After Physical Inspection)	Factory Timeline (Approved timeline)	Final Action Plan (Factory)	Progress Status (On the date of inspection)	Pictorial Evidence
1	Workers that operate and maintain the electrical system received electrical safety training but no documentation on site.	Develop and implement an electrical safety program. Include key topes such as lock out tag out procedures, personal protective equipment requirements, etc. Reference NFPA 70e for example program requirements.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	22-Jan-2015	Corrected	Corrected	
2	Foreign utility (Gas Line) is routed through the substation room. Location: Sub-Station Room.	Remove all utilities pipe immediately.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	25-Jan-2015	Corrected	Corrected	

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3	The substation room has no required fire rating/ protection. Location: Ground Floor.	Provide adequate fire rating/ protection for substation room.	Jun 15 2014	On 21/03/2016: Not Corrected. This issue is in progress state. Fire door is available at site. Factory personnel are taking their time to do the civil structures. New committed timeline is given till April 30, 2016. On 13/03/2017: Corrected.	30-Apr-2016	Corrected	Corrected	
4	Combustible materials are stored within the substation room. Location: Sub-Station, GF.	Remove all combustible materials within the substation room.	Apr 20 2014	On 21/03/2016: Already verified in first follow-up inspection.	01-Feb-2015	Corrected	Corrected	
5	Light fixtures without protective covers are installed in storage areas. Location: Store Room, Ground Floor.	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.	Apr 20 2014	On 21/03/2016: Not Corrected. All light fixtures are protected with covers in stores or ware houses. However, light fixtures at in-process store or running store of the production floor are not protected. New committed timeline is given till April 30, 2016. On 13/03/2017: Corrected.	30-Apr-2016	Corrected	Corrected	

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6	Generator room is not properly rated but physically separated from the remainder of the building. Location: Generator Room.	Ensure the generator room properly rated and physically separated from the remainder of the building.	Jun 1 2014	On 21/03/2016: Not Corrected. This issue is in progress state. Fire door is available at site. Factory personnel are taking their time to do the civil structures. New committed timeline is given till April 30, 2016. On 13/03/2017: Not corrected. Generator may be damaged by rain water. On 18/06/2017: Corrected. Such generators are removed and waiting to be sold.	30-Apr-2016	Corrected	Corrected	
7	Emergency power switchboards, distribution boards, and circuits are not properly identified. Location: All Floor.	Ensure proper identification of emergency power switchboards, distribution boards, and circuits.	May 18 2014	On 21/03/2016: Already verified in first follow-up inspection.	14-Jun-2015	Corrected	Corrected	
8	Lightning protection system is under construction. Location: Roof Top.	Install lightning protection system on the building.	Jul 13 2014	On 21/03/2016: Not Corrected. New committed timeline is given till May 31, 2016. On 13/03/2017: Not corrected. Some air terminals, run conductors are missing & factory needs to increase some air terminals height. On 18/06/2017: Not corrected. Need to adjust location/height of some air terminals. More air terminals needed over the lift. On 28/09/2017: Corrected.	31-May-2016	Corrected	Corrected	

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9	Not all metal in the building is connected to the building earthing/grounding system such as metal rebar in concrete, metal frame of building, or metal water pipe.	Connect all metal in the building to the building earthing/grounding system such as metal rebar in concrete, metal frame of building, or metal water pipe.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	02-Jun-2014	Corrected	Corrected	
10	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.	Jun 15 2014	On 13/03/2017: Already verified in first follow-up inspection.	31-Dec-2015	Corrected	Corrected	
11	Multi looping of cables observed at circuit breakers within distribution boards.	Remove multi looping of cables at circuit breakers within distribution boards.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	22-Jan-2015	Corrected	Corrected	

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12	Signs of burning were observed.	Find out the cause of sign of burning and take proper action.	Apr 20 2014	On 21/03/2016: Already verified in first follow-up inspection.	20-May-2014	Corrected	Corrected	
13	No periodic safety inspections of the electrical system components is completed.	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.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	01-Feb-2015	Corrected	Corrected	
14	No periodical Insulation Resistance Measurement Program established.	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).	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	02-Jul-2015	Corrected	Corrected	

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15	Records concerning the testing and inspection of the electrical systems are not maintained on site and up to date.	Develop an electrical maintenance program that includes inspections and testing of the electrical systems. Reference NFPA 70 for example program requirements.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	01-Mar-2015	Corrected	Corrected	
16	The electrical switchgear and panel boards are not inspected on an annual basis to ensure that the equipment is installed in accordance with the listed ratings.	Inspect electrical switchgear and panel boards on an annual basis to ensure that the equipment is in good working condition.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	01-Mar-2015	Corrected	Corrected	
17	Thermographic scans of electrical equipment's are not completed properly.	Complete thermographic scans at least on a three year cycle. Thermographic scans should be completed in accordance with the Standard for Infrared Inspection of Electrical Systems & Rotating Equipment and NFPA70B or a comparable standard.	Jun 15 2014	On 13/03/2017: Already verified in first follow-up inspection.	29-Nov-2015	Corrected	Corrected	

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18	Distribution boards are not properly grounded (earthed).	Provide grounding (earthing) for Switchboards and/or distribution boards as per BNBC section 2.8.1.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	27-Jan-2015	Corrected	Corrected	
19	Distribution boards have no capacity information labels.	Provide capacity information labels for Switchboards and/or distribution boards.	Jun 1 2014	On 21/03/2016: Already verified in first follow-up inspection.	01-Feb-2015	Corrected	Corrected	
20	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 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.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	02-Feb-2015	Corrected	Corrected	

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21	Electrical cables are not properly identified.	Ensure the means of identification is obtained by separate color coding, marking tape, tagging, or other approved means.	Jun 15 2014	On 13/03/2017: Already verified in first follow-up inspection.	31-Dec-2015	Corrected	Corrected	
22	The substation room is not secured properly.	Install security measures to ensure access to the substation is restricted.	May 4 2014	On 21/03/2016: Not corrected. This issue is in progress state. Fire door is available at site. They are taking their time to do the civil structures. New committed timeline is given till April 30, 2016. On 13/03/2017: Corrected.	20-Apr-2016	Corrected	Corrected	
23	Each circuit is not provided with a dedicated neutral.	Provide dedicated neutral for each circuit.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	02-Aug-2014	Corrected	Corrected	

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24	Generator frame earthing (grounding) is not provided at two separate points.	Provide two separate point earthing (grounding) for generator.	Jun 1 2014	On 13/03/2017: Already verified in first follow-up inspection.	31-Dec-2015	Corrected	Corrected	
25	Internal components of distribution boards are not properly concealed.	Provide covers or blanks to conceal all live internal components of distribution boards.	May 18 2014	On 21/03/2016: Not corrected. All panels are sealed except the panels in the generator room. This issue is not closed yet. New committed timeline is given till April 30, 2016. On 13/03/2017: Not corrected. Seal the openings of the generator output box too. On 18/06/2017: Corrected.	30-Apr-2016	Corrected	Corrected	
26	Electrical wire is not properly terminated.	Ensure all electrical wiring properly terminated at its point of termination.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	10-Feb-2015	Corrected	Corrected	

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27	Power and telecommunication or antenna cables are not led in separately. Location: 3rd Floor, Sewing section.	Led telecommunication or antenna cables separately to the main point of service. Power and telecommunications cables must have separate entrance.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	15-Jun-2015	Corrected	Corrected	
28	Improper cable joints were found.	Ensure cable joints through porcelain/PVC connectors with PIB tape wound around joint.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	15-Jul-2014	Corrected	Corrected	
29	Instruction board for first aid and artificial respiration is not located in substation room. Location: Sub-Station Room.	Provide Instruction board for first aid and artificial respiration in substation room.	May 18 2014	On 21/03/2016: Already verified in first follow-up inspection.	07-Jul-2014	Corrected	Corrected	

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30	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.	May 18 2014	On 21/03/2016: Already verified in first follow-up inspection.	25-Jan-2015	Corrected	Corrected	
31	Inspection, maintenance, and testing procedures of the UPS are not completed.	Ensure inspection, maintenance, and testing procedures of the UPS are not completed and documented.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	25-Jan-2015	Corrected	Corrected	
32	Electrical insulation mats are not provided in front of substation.	Provide electrical insulation mats in front of distribution boards.	May 18 2014	On 21/03/2016: Already verified in first follow-up inspection.	06-Feb-2015	Corrected	Corrected	

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33	Phase separators are not provided between terminals on circuit breakers.	Install phase separators between terminal connections at the noted locations.	Jun 15 2014	On 21/03/2016: Already verified in first follow-up inspection.	24-Feb-2015	Corrected	Corrected	
34	Required equipment and safety signage is not posted within the room.	Need to posted Required equipment and safety signage in the panel board.	May 18 2014	On 21/03/2016: Already verified in first follow-up inspection.	10-Jul-2014	Corrected	Corrected	
35	New Finding: Power cables entering to or exiting from distribution board/panel are not properly fixed. Cable trench is left open.	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. Ensure adequate cover for cable trench using checkered plate bearing floor height.	1 Month	On 21/03/2016: This issue is not corrected yet. New committed timeline is given till April 30, 2016. On 13/03/2017: Not corrected. On 18/06/2017: Corrected.	30-Apr-2016	Corrected	Corrected	

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36	New Finding: Earth lead cable/Earth Continuity Conductor size is inadequate/ undersize.	Resize earth lead cable/ECC for LT panel/MDB/DB; follow BNBC 2006 Part 8 chapter 2 section 2.8 for sizing your earthing cables (Usually ECC should be equal to the half of the respective phase cable).	1 Month	On 13/03/2017: Corrected.	31-May-2016	Corrected	Corrected	
37	New Finding: Circuit is drawn from bus bar without Circuit breaker or any protective means.	For distribution board, along with the main circuit breaker all outgoing circuits shall have individual outgoing circuit breaker.	1 Month	On 13/03/2017: Not corrected. On 18/06/2017: Corrected.	31-May-2016	Corrected	Corrected	
38	New Finding: Insulation resistance record (cable information) doesn't match with field. Earth Pit resistance record for LPS is unavailable. Earth pits are not identifiable.	Field information must be reflected in the record and significantly lower sized cables' record shall be avoided. All earthing systems 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. Each earth pit shall be properly identifiable and marked for periodic maintenance.	1 Month	On 18/06/2017: Corrected.	30-Apr-2017	Corrected	Corrected	


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39	New Finding: Wooden support used for electrical installation/element.	Replace wooden support and it is preferable to fix each electrical devices with noncombustible support.	1 Month	On 18/06/2017: Corrected.	30-Apr-2017	Corrected	Corrected	
40	New Finding: Celling fan & lights are installed in a improper height. Panel/Distribution boxes are inaccessible or cannot be opened to perform any maintenance work.	Install the ceiling fan & lights ensuring enough height/use stand fan. Each electrical distribution board/panel must be easily accessible.	1 Month	On 18/06/2017: Not corrected. There is not enough room to stand in front of the DB. On 28/09/2017: Corrected.	30-Apr-2017	Corrected	Corrected	
41	New Finding: Distribution boards have no clear identification markings. Instruction for CPR (Cardiopulmonary Resuscitation) or Electrical shock restoration is not present. No/Inadequate rubber (insulation) mat at the working area of distribution board/panel.	All distribution boards, switchboards, sub main boards and switches shall be marked clearly for proper identification. CPR instruction shall be hanged near all electrical installations (LT panel, MDB, FDB, DB, SDB) at visible location. 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 18/06/2017: Corrected.	30-Apr-2017	Corrected	Corrected	

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42	<p>New Finding: Power cables are bent excessively.</p> <p>Manually operated Motor /Pumps are not earthed properly.</p> <p>BBT end cover is missing.</p>	<p>Power cables must be installed as straight as possible; in unavoidable case, not less than 135-degree bending can be allowed.</p> <p>Ensure earthing connection for all Manually operated motor/pumps coil and body.</p> <p>Install the BBT end cover.</p>	1 Month	On 18/06/2017: Corrected.	30-Apr-2017	Corrected	Corrected	
43	<p>New Finding: Field information has no/less reflection in existing SLD.</p>	<p>Electrical SLD must be amended properly; all the required information must be mentioned there; and it shall be updated when you do significant amount of changes of your electrical system.</p>	1 Month	On 18/06/2017: Corrected.	30-Apr-2017	Corrected	Corrected	
44	<p>New Finding: Power cables are buried in by concrete & sand.</p>	<p>Power cable must be distributed through cable trench. Cable trench must be covered properly. Remove the concrete & sand.</p>	1 Month	On 18/06/2017: Corrected.	30-Apr-2017	Corrected	Corrected	

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45	New Finding: Electric safety training program has not initiated/conducted.	Electrical safety training and awareness program for the electrical personnel must be initiated. It is a periodic task which factory has to continue to improve overall electrical safety situation for the staffs.	1 Month	On 18/06/2017: Corrected.	30-Apr-2017	Corrected	Corrected	
46	New Finding: MCCBs are not adjusted per load demand. Power bus bars are installed congested.	All the MCCBs must be adjusted per cable current ampacity/load current; if adjustment is not possible, replacement will be the only way. Power bus bar must be installed with adequate clearance (not less than 2.5 inch for LV) between two bars.	1 Month	On 18/06/2017: Corrected.	30-Apr-2017	Corrected	Corrected	
47	New Finding: No mechanical guards are provided for electrical equipment where necessary. Heat source (or exposed steam line) is adjacent to electrical installations (cable channel/duct).	Provide mechanical guards for electrical equipment where necessary. 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 18/06/2017: Corrected.	30-Apr-2017	Corrected	Corrected	

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48	New Finding: Power Cables are hanging without proper support. Cables are laid on floor without any support.	Power cables must be supported by cable tray (ladder- where needed). Outdoor arrangement must be covered. Provide cable tray inside cable drain and cover it by checkered plate.	1 Month	On 18/06/2017: Corrected.	30-Apr-2017	Corrected	Corrected	
49	New Finding: Earth connections for 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 28/09/2017: Corrected.	28-Aug-2017	Corrected	Corrected	
50	New Finding: Circuit breaker rating is not identifiable.	Replace the old breaker with a new one so that anyone can know the ampacity of the breaker.	1 Month	On 14/11/2017: Corrected.	15-Nov-2017	Corrected	Corrected	

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51	New Finding: Safety program is initiated but has no influence in the factory.	Electrical safety training and awareness program for the electrical personal and workers must be conducted and recorded. Training must have an impact on the safety attitude of the personnel.	1 Month	On 14/11/2017: Not Corrected. Proper rated PPE is not available. LOTO policy is not implemented. On 14/03/2018: Corrected.	15-Nov-2017	Corrected	Corrected	
52	New Finding: Maintenance movement is obstacle due to improper cable trench cover in the utility area (Cooling tower pump room).	Covered cable trench must be equal to working floor height. If not, extended area must be sloped at both sides to avoid obstacle.	1 Month	On 14/11/2017: Not Corrected. On 14/03/2018: Corrected. Control panel has been relocated and cables rerouted to remove obstacle.	15-Nov-2017	Corrected	Corrected	
53	New Finding: Improper termination at bus bar.	Heat shrink tube must be properly removed from the termination point before terminating cable on bus bar thus there will be no insulation material in between cable lugs and copper bus bar.	1 Month	On 14/03/2018: Corrected.	20-Dec-2017	Corrected	Corrected	

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54	New Finding: Ambiguity found in thermographic scan report (protector glass was not removed while doing scan for report preparation).	Thermography survey shall be conducted in adequate manner on entire electrical system in the facility at least twice in a year. And the remediation suggestions mentioned in the report shall be carried out.	1 Month	On 05/03/2019: Corrected.	30-Jun-2018		Corrected	
55	New Finding: Field information has no/less reflection in existing SLD.	Draw as built electrical SLD mentioning all required information by qualified engineer and get it reviewed by RSC. Electrical SLD must be updated properly when electrical system is modified.	2 Months	On 23/01/2024: Not Corrected. Some progress has been observed. Factory got their SLD as "Need Minor Modification" from RSC on 18/01/2024. Now, they are preparing SLD to resubmit at RSC with the required correction. On 20/03/2025: Not corrected. Around 60% progress found. Factory received SLD from RSC with a status of "Acceptance" on 4th April 2024. As per accepted and as built SLD, BBT layout information is not included for all floors. Additionally, inadequate earthing has been observed of transformer and generators according to accepted drawing. Factory needs to resubmit SLD to RSC incorporating all previous review comments and all BBT layout information.	31-Oct-2022		In Progress	
56	New Finding: There is no programmed schedule for periodical inspection & testing of electrical equipment.	An electrical maintenance program shall be prepared which will include inspections and testing of the electrical systems (preventive and proactive).	1 Month	Comments by RPO on 16/8/23: Timeline has been approved until 25/09/2023. On 23/01/2024: Corrected.	30-Sep-2022		Corrected	

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57	New Finding: Earth Pit resistance test record doesn't match with field.	Adequate number of earth pits must be ensured (if it's lower in numbers) and record must be made accordingly.	1 Month	Comments by RPO on 16/8/23: Timeline has been approved until 25/09/2023. On 23/01/2024: Corrected.	30-Sep-2022		Corrected	
58	New Finding: Insulation resistance record (cable information) doesn't match with field.	Field information must be reflected in the record. Insulation resistance test of all the cables (you can avoid less than 25 sq.mm) must be performed once in every 2 years' cycle and recorded (this must require a complete power shut off).	1 Month	Comments by RPO on 16/8/23: Timeline has been approved until 25/09/2023. On 23/01/2024: Corrected.	30-Sep-2022		Corrected	
59	New Finding: Panel body is not connected to earth. Earthing bar installed on insulator.	All metal installation which are part of electrical system must be connected to earth to avoid electrical shock or electrocution.	1 Month	On 23/01/2024: Corrected.	30-Sep-2022	Completed	Corrected	

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60	New Finding: Interlocking is not provided for powering common busbar from different sources.	Interlocking must be provided for feeding power from multiple sources.	2 Months	On 23/01/2024: Corrected.	31-Oct-2022	Completed	Corrected	
61	New Finding: Uncovered/Perforated type cable tray/PVC pipe used for wiring in storage area.	In storage area, wiring shall be done by GI pipe/solid metal duct or concealed wiring system.	1 Month	On 23/01/2024: Corrected.	30-Sep-2022	Completed	Corrected	
62	New Finding: Oil Test Report is not satisfactory.	Change the oil or centrifuge it. Then check the transformer oil condition by performing oil test. If the result is satisfactory then do it once in a year and keep the record.	1 Month	On 20/03/2025: Corrected.	27-Feb-2024	Centrifuged the transformer oil and then oil test performed by Bangladesh Power Development Board, Tongi, Gazipur.	Corrected	