

**ELECTRICAL SAFETY FOLLOW UP INSPECTION REPORT (8<sup>TH</sup>)**

<b>Factory Name</b>	Day Fashions Ltd					Note:
<b>Address</b>	M H Tower, 21, Vogra, Gazipur – 1704 , Gazipur					
<b>FACTORY ID</b>	12571	<b>ELECTRICAL SAFETY INSPECTION DATES</b>				
<b>Initial Inspection Date</b>	08-Dec-2016	Date of 5 <sup>th</sup> Follow Up	22-Aug-2019	Date of 11 <sup>th</sup> Follow Up		<b>Other Factory:</b> ----- 1. Day Apparels Ltd (ID: 12483) ----- ----- ----- -----
<b>Report Received Date</b>	15-Jan-2017	Date of 6 <sup>th</sup> Follow Up	26-Dec-2021	Date of 12 <sup>th</sup> Follow Up		
Date of 1 <sup>st</sup> Follow Up	30-Jul-2017	Date of 7 <sup>th</sup> Follow Up	29-May-2022	Date of 13 <sup>th</sup> Follow Up		
Date of 2 <sup>nd</sup> Follow Up	16-Jan-2018	Date of 8 <sup>th</sup> Follow Up	10-Nov-2022	Date of 14 <sup>th</sup> Follow Up		
Date of 3 <sup>rd</sup> Follow Up	26-Jul-2018	Date of 9 <sup>th</sup> Follow Up		Date of 15 <sup>th</sup> Follow Up		
Date of 4 <sup>th</sup> Follow Up	28-May-2019	Date of 10 <sup>th</sup> Follow Up		Date of 16 <sup>th</sup> Follow Up		
<b>Inspected by</b>	Jahidur Rahman					

Item No	Inspection Observation	Inspection Action Plan (Recommendation)	Inspection Time line (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	Generator panel's 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 30/07/2017: Corrected.	21-Feb-2017	Done	Corrected	
2	Power Cables are hanging without proper support.	Power cables must be supported by cable tray(ladder-where needed).Outdoor arrangement must be covered.	2 Months	On 30/07/2017: Corrected.	21-Mar-2017	Done	Corrected	

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3	MCCBs & MCBs are not adjusted per load demand.	All the MCCBs & MCBs must be adjusted per cable current if adjustment is not possible, replacement will be the only way.	2 Months	On 30/07/2017: Not Corrected. On 16/01/2018: work's been started, but not finished yet. Not Corrected. On 26/07/2018: Corrected.	21-Mar-2017	Due to of "cable laddering Work in distribution board (New Findings) the work has been delayed. However our assigned firm's work is ongoing and will finish the issue within 5th August-18.	Corrected	
4	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.	3 Months.	On 30/07/2017: Corrected.	21-Apr-2017	Done	Corrected	
5	No/Inadequate rubber(insulation) mat at the working area of distribution board /panel	Electric insulation(Not less than 3mm thick in case of rubber mat)at the working area of each electrical installation(Transformer/L T panel/MDB/DB/SDB/ot her manual operated machineries) must be ensured.	1 Month	On 30/07/2017: Not Corrected. On 16/01/2018: Corrected.	21-Feb-2017	DONE	Corrected	

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6	Phase Barrier/Separators are missing in MCCBs	Phases must be separated by insulator(a rubber type none flammable materials shall be used for it.	1 Month	On 30/07/2017: Corrected.	21-Feb-2017	Done	Corrected	
7	Earth/Lead Cable. Earth Continuity conductor size is inadequate/under size	Earth lead Cable/Earth continuity conductor(ECC)must be resized by half of the phase cable. Cable size shall be selected depending on the CB's response time and phase cables size.	2 Months	On 30/07/2017: Corrected.	21-Mar-2017	Done	Corrected	
8	Exhaust fan body and fan blade enclosure has no earth connection.	Exhaust fan frame and its enclosure in the production areas shall be connected to earth.	1 Month	On 30/07/2017: Corrected.	21-Feb-2017	Done	Corrected	

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9	Manually operated machines (may have chance to be touched by operator/user) have no earth connection.	Manually operated each machine(may have chance to be touched by user/operator)must have earth connection. Cable selection shall be made per CB response and circuits power demand.	1 Month	On 30/07/2017: Corrected.	21-Feb-2017	Done	Corrected	
10	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 Accord. Electrical SLD must be updated properly; all the required information must be mentioned there; and it shall be updated when you do substantial amount of changes of your electrical system.	2 Months	<p>On 16/01/2018: work's been started, but not finished yet. Not Corrected.</p> <p>On 26/07/2018: Not corrected. SLD is updated but has not been submitted to ACCORD for review.</p> <p>On 28/05/2019: Not Corrected.</p> <p>On 22-Aug-2019: Not Corrected.</p> <p>On 26/12/2021: Not corrected. The SLD got acceptance from RSC. Factory is going do to some renovation work (new ATS) in electrical system. Prepare an as-built SLD after completing renovation work.</p> <p>On 29/05/2022: Not Corrected. No progress found since last follow-up.</p> <p><b>On 10/11/2022:</b> Not Corrected. No significant progress observed. SLD is not as built, changes from "Accepted" SLD need to be documented.</p>	05-Oct-2017	proposed SLD was approved by RSC on 12-07-2021 and at present Facility is working to prepare as built SLD including the extended floor which we will submit to RSC within 30.09.2022.	In Progress	

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11	New Finding: List of circuit or SLD of existing circuits are not available on each electrical panel/board.	List of circuit or SLD of respective circuits shall be available for each electrical panel/board.	2 Months	On 16/01/2018: work's been started, but not finished yet. Not Corrected. On 26/07/2018: Not corrected. On 28/05/2019: Not Corrected. On 22-Aug-2019: Not Corrected. On 26/12/2021: Corrected	05-Oct-2017	Corrected	Corrected	
12	New Finding: Lightning Protection System (LPS) is not installed yet.	Factory has to design Lightning Protection System (LPS) for the whole factory (where the Risk index is more than 40). Once a LPS is designed properly, installation must be done accordingly asap.	2 Months	On 16/01/2018: work's been started, but not finished yet. Not Corrected. On 26/07/2018: Not corrected. On 28/05/2019: Not Corrected. On 22-Aug-2019: Not Corrected. On 26/12/2021: Not corrected. At present vertical extension work is going on. On 29/05/2022: Not Corrected. Vertical extension work has completed. Factory is going to start LPS work. <b>On 10/11/2022: Corrected.</b>	05-Oct-2017		Corrected	

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13	New Finding: Equipment earth cable (for generator) size is inadequate (drawn from one pit)	Equipment earth connection for generator shall be drawn from at least two separate point of generator; and the cable size shall be less than or equal to half of the phase cable (depends on fault clearing time). You may use equivalent sized bare copper conductor. Number of earth pits shall be determined by the size of connected earth cable.	2 Months	On 16/01/2018: Corrected.	05-Oct-2017	DONE	Corrected	
14	New Finding: Generator exhaust system is kept exposed/not insulated.	Provide mechanical guard (conditional)/fabricated removable insulation blanket systems for engine and generator exhaust components (except: manifold, turbochargers) to reduce thermal radiation and convection within the engine room.	1 Month	On 16/01/2018: Not Corrected. On 26/07/2018: Corrected.	05-Sep-2017	Done	Corrected	
15	New Finding: (i) Transformer output cables (laid on floor) are not protected and supported. (ii) Power cables inside cable trench are buried by sand/soil	(i) Service cables from transformer must be supported at its own breaker's terminal and with cable tray. (ii) Power cables should not be buried directly in any case. If it is not designed through sand/soil, removal of sand/soil must be done.	1 Month	On 16/01/2018: Corrected.	05-Sep-2017	DONE	Corrected	

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16	New Finding: Multiple cables (came from different electrical consumers) terminated at MCCB terminals. (Location: TOP Box, Circuit Breaker)	Each electrical circuit must be terminated at single MCB/MCCB terminals.	2 Months	On 16/01/2018: Not Corrected. On 26/07/2018: Corrected.	05-Oct-2017	Done	Corrected	
17	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	On 16/01/2018: Corrected.	05-Sep-2017	DONE	Corrected	
18	New Finding: Panel/Distribution boxes are inaccessible or cannot be opened to perform any maintenance work.	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.	1 Month	On 16/01/2018: Found Corrected.	05-Sep-2017	DONE	Corrected	

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19	New Finding: Discrimination is not achieved among circuit breakers used for protection of main circuit and the sub-circuits derived therefrom.	Discrimination must be achieved between circuit breakers used for protection of main circuit and the sub-circuits derived therefrom by adjusting the protective devices of the sub-circuit breakers to operate at lower current setting and shorter time-lag than the main circuit breaker.	1 Month	On 16/01/2018: work's been started, but not finished yet. Not Corrected. On 26/07/2018: Not corrected. On 28/05/2019: Not Corrected. On 22-Aug-2019: Corrected.	05-Sep-2017		Corrected	
20	New Finding: Panel doors, metal channel are not connected with earth.	All metal installation which are part of electrical system must be connected to earth to avoid electrical shock or electrocution.	1 Month	On 16/01/2018: Corrected.	05-Sep-2017	DONE	Corrected	
21	New Finding: Distribution Board's top/bottom/rear 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 16/01/2018: Not Corrected. On 26/07/2018: Corrected.	05-Sep-2017	Done	Corrected	



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22	New Finding: Flexible PVC pipe is used to cover power and signal cable for boiler	Power and signal cable for boilers shall be distributed using proper type insulator to avoid damage of cables.	1 Month	On 16/01/2018: Found Corrected.	05-Sep-2017	DONE	Corrected	
23	New Finding: Busbar feeder's cover/end cap is missing or not fixed.	Fix the feeder unit cover after inserting the cables end (L/N/PE) into the corresponding terminals and tighten the cable clamps.	1 Month	On 16/01/2018: Not Corrected. On 26/07/2018: Corrected.	05-Sep-2017	Done	Corrected	
24	New Finding: Lead acid battery terminals are left open	Lead acid battery terminals must be covered/capped and rust must be checked and cleaned.	1 Month	On 16/01/2018: Not Corrected. On 26/07/2018: Corrected.	05-Sep-2017	Done	Corrected	

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25	New Finding: Uninsulated electrical tools are used by maintenance personnel in the factory	For maintenance purposes, all the electrical tools shall be properly insulated and these insulations shall be checked periodically.	1 Month	On 16/01/2018: Not Corrected. On 26/07/2018: Corrected.	05-Sep-2017	Done	Corrected	
26	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	On 16/01/2018: Not Corrected. On 26/07/2018: Corrected.	05-Sep-2017	Done	Corrected	
27	New Finding: Transformer Oil Test (dielectric strength test) report is unrealistic	Transformer oil test (dielectric strength test for oil) shall be done once in a year.	1 Month	On 26/07/2018: Corrected.	28-Feb-2018	Oil sample sent for test and Will get the latest report by 28/07/18	Corrected	

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28	New Finding: Insulation resistance test of electrical power cables is manipulated	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	On 26/07/2018: Corrected.	28-Feb-2018	Done	Corrected	
29	New Finding: Manually operated machines (may have chance to be touched by operator/user) have no earth connection.	Each manually operated machine (may have chance to be touched by user/operator) must have earth connection. Cable selection shall be made per CB response and circuit's power demand.	1 Month	On 26/07/2018: Corrected.	28-Feb-2018	Done	Corrected	
30	New Finding: Combustible materials are tied with cable ducts, BBT, sewing motor, etc.	Combustible materials shall be removed from electrical system.	1 Month	On 26/07/2018: Corrected.	28-Feb-2018	Done	Corrected	

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31	New Finding: Power cables are bent excessively  Cables in service are joined (splicing) between terminations.	Power cables must be installed as straight as possible; in unavoidable case, not less than 135-degree bending can be allowed.  Splicing in the power cables shall be avoided; in unavoidable cases splicing, must be made following proper guidance.	1 Month	On 26/07/2018: Not corrected. On 28/05/2019: Not Corrected. On 22-Aug-2019: Corrected.	28-Feb-2018		Corrected	
32	New Finding: Cables running along the ladder are not securely fastened	Cables along the cable tray/s must be fastened properly with an interval	1 Month	On 26/07/2018: Not corrected. On 28/05/2019: Corrected.	28-Feb-2018	Corrected	Corrected	
33	New Finding: Change Over Switch contacts smeared with bearing grease.	Instead of bearing grease, thin layer of contact grease must be used for lubrication of Changeover-Switch contacts.	1 Month	On 26/07/2018: Not corrected. On 28/05/2019: Not Corrected. On 22-Aug-2019: Corrected.	28-Feb-2018		Corrected	

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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	On 26/07/2018: Not corrected. On 28/05/2019: Corrected.	28-Feb-2018	Corrected	Corrected	
35	New Finding: No PPE was used by maintenance personnel in the factory  Electric safety training program document is not enriched enough	For maintenance purposes, all the electrical tools shall be properly insulated and these insulations shall be checked periodically & proper PPE should be arranged.  It is a periodic task which factory has to continue to improve overall electrical safety situation for the staffs.(Factory may follow NFPA 70E)	1 Month	On 26/07/2018: Not corrected. On 28/05/2019: Not Corrected. On 22-Aug-2019: Corrected.	28-Feb-2018		Corrected	
36	New Finding: Motor/Pumps are not earthed properly. Motor/Pumps are not properly fixed.	Ensure earthing connection for all motor/pumps coil and body.  Fix the Motor/ Pumps on a base properly.  Remove combustible materials(wooden plunk)	1 Month	On 26/07/2018: Corrected.	28-Feb-2018	Done	Corrected	

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37	<p>New Finding: Cables are hanged outside wall of the building without proper support and protection.</p> <p>Power cables are buried by concrete wall</p>	<p>Service/distribution cables must not be hanged on wall; it must be distributed through a cable duct (covered cable ladder). Cable tray or ladder can also be used (if there is no chance of seasonal effect)</p> <p>Power cable must be distributed through cable trench. Cable trench must be covered properly.</p>	1 Month	<p>On 26/07/2018: Not corrected. On 28/05/2019: Not Corrected. On 22-Aug-2019: Not Corrected. On 26/12/2021: Not corrected. Remove foreign material from cable trench. Keep the trench neat and clean. On 29/05/2022: Corrected.</p>	28-Feb-2018	As heavy electrical line is included in to the trench so it will take time to complete the issue, which we expect to finish within 20.03.2021.	Corrected	
38	<p>New Finding: Panel/distribution board is not firmly fixed with the foundation.</p>	<p>panel base must be securely fixed to the foundation. With appropriate fastening devices.</p>	1 Month	<p>On 26/07/2018: Corrected.</p>	28-Feb-2018	Done	Corrected	
39	<p>New Finding: Power sockets are hung without proper support.</p>	<p>Power socket has to be installed on rigid support/base securely and at minimum 200mm above floor level.</p>	1 Month	<p>On 22-Aug-2019: Corrected.</p>	15-Jul-2019		Corrected	

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40	New Finding: Pot containing liquid materials are supported from BBT/cable duct.	Provide support to the liquid pot separately.	1 Month	On 22-Aug-2019: Corrected.	15-Jul-2019		Corrected	
41	New Finding: Cable tray cover creates obstacles around the electrical installations which has trip hazard..	Work place around each electrical installation shall be uniformly leveled. Adequate ventilation and working clearance must be provided.	2 Months	On 22-Aug-2019: Not Corrected. On 26/12/2021: Not corrected. Factory temporarily placed a dry type transformer. On 29/05/2022: Corrected.	15-Aug-2019	Facility will complete this work within 20.03.2022.	Corrected	
42	New Finding: Generator room is filled with debris (or used as temporary storage)	Generator room must be kept neat and clean.	1 Month	On 22-Aug-2019: Corrected.	15-Jul-2019		Corrected	

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43	New Finding: Boiler room has poor/inadequate ventilation	Boiler room must be well ventilated.	1 Month	On 22-Aug-2019: Corrected.	15-Jul-2019		Corrected	
44	New Finding: Power socket is kept on floor unsafely.	Power socket shall be installed at minimum 200mm above the floor with a rigid support.	1 Month	On 29/05/2022: Corrected.	10-Feb-2022	Corrected	Corrected	
45	New Finding: Panel base plates are removed to allow cable entry.	Panel base plates must be installed, at all time, and cables entering panel must be firmly fixed with cable gland	1 Month	<b>On 10/11/2022:</b> Corrected. Cable trench is sealed and cables inside panel are supported properly.	30-Jun-2022		Corrected	



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46	New Finding: Combustible material and water pot attached with cable duct/channels.	Cable channels/ducts must be kept neat and clean; these must be free from combustible material and water pot.	1 Month	On 10/11/2022: Corrected.	30-Jun-2022	Corrected	Corrected	
47	New Finding: MCCBs/MCBs are not installed/adjusted per load demand.	All the MCCBs/MCBs must be installed/adjusted as per connected load current; if adjustment is not possible, replacement will be the only way.	1 Month		15-Dec-2022			
48	New Finding: Earth lead cable/Earth Continuity Conductor size is inadequate/undersize.	Earth lead cable/ Earth Continuity Conductor (ECC) shall be determined according to BNBC or Adiabatic method (considering CB's response time, fault current & type of earth conductor other factors).	1 Month		15-Dec-2022			

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49	<p><b>New Finding:</b> Hot spots have been observed at some points.</p>	<p>Hot spots must be eliminated from entire electrical system.</p>	1 Month		15-Dec-2022			
50	<p><b>New Finding:</b> Metal enclosure is not provided for <b>Dry type transformer.</b></p>	<p>Adequately designed enclosure shall be provided for dry type transformer.</p>	1 Month		15-Dec-2022			
51	<p><b>New Finding:</b> Electrical devices (pump motor) are not fixed at base.</p>	<p>All electrical component must be fixed at base with proper arrangement.</p>	1 Month		15-Dec-2022			