

ELECTRICAL SAFETY FOLLOW UP INSPECTION REPORT (11TH)

Factory Name	APS Apparels Ltd.					Note:
Address	Holding No.106, Ward- 5, Baitur Rahmat, Mosque Road, E-Faidabad, Atipara, Dokhin Khan					
FACTORY ID	9438	ELECTRICAL SAFETY INSPECTION DATES				Other Factory: ----- ----- ----- ----- ----- ----- -----
Initial Inspection Date	25/03/2014	Date of 5 th Follow Up	06/09/2016	Date of 11 th Follow Up	30/01/2019	
Report Received Date		Date of 6 th Follow Up	28/11/2016	Date of 12 th Follow Up		
Date of 1 st Follow Up	05/04/2015	Date of 7 th Follow Up	09/02/2017	Date of 13 th Follow Up		
Date of 2 nd Follow Up	28/12/2015	Date of 8 th Follow Up	03/05/2017	Date of 14 th Follow Up		
Date of 3 rd Follow Up	22/03/2016	Date of 9 th Follow Up	27/08/2017	Date of 15 th Follow Up		
Date of 4 th Follow Up	28/06/2016	Date of 10 th Follow Up	02/04/2018	Date of 16 th Follow Up		
Inspected by		Mst Rebeka Sultana				

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	11kV HT cable is not supported and Cable laid on concrete floor.	Install cable duct with cover to protect the HT cables as well as prevent the ingress of debris, dust and lint.	Within 1 Month	On 05/04/2015: Corrected.	'09/09/2014	Corrected. We have completed the work as recommended.	Corrected	
2	Earthing cable does not covered properly and no support found.	All earthing lead must be covered with PVC conduit to protect it from physical damage.	Within 1 Month	On 05/04/2015: Corrected.	'10/09/2014	Corrected. We have provided cover and support to the earthing cable as suggested.	Corrected	

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3	Gap Horn are not found	Install the Gap Horn (may consult with supplier of the transformer).	Within 1 Month	On 05/04/2015: Corrected.	'27/06/2014	Corrected. We have already installed Gap Horn.	Corrected	
4	Silica gel color is changed into white and oil cup is empty.	Silica gel in breather must be changed and oil cup must be filled with transformer oil as per the instruction of the manufacturer.	Within 1 Month	On 28/12/2015: Corrected.	'05/05/2015	Corrected. We have changed Silica gel in breather and oil cup also filled with transformer oil. Additionally we have re-corrected the work as per suggestion given by the ACCORD during follow up audit on 5th April-2015.	Corrected	
5	PFI panel, temperature of R phase is 133 degree	Arrange periodic inspection & thermal scan to identify the overloading, loose connection, unbalanced load which may cause the excessive heat-rise and take action accordingly.	Within 1 Month	On 22/03/2016: Corrected.	'20/03/2016	Corrected. We have re-checked and repaired the unit to prevent excessive heat-rise to PFI panel, temperature of R phase as suggested during follow up audit on 28th Dec-2015.	Corrected	

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6	Cable entry and exit hole of COS is not sealed and cable gland is not used for cable entry and exit.	Make circular hole at the base plate/top plate of panels and provide cable gland according to the respective cable size for cable entry and exit so that the cables are not stressed on the sharp edges of the hole of panels. Provide covers (of noncombustible material) if any additional gap remains after installing	Within 3 month	On 05/04/2015: Corrected.	'11/10/2014	Corrected. We have completed the work as per given suggestion by accord. (Enclosed Pic no. 6a, 6b, 6c, 6d)	Corrected	
7	Cables are not properly arranged and supported.	All cables must be properly arranged, installing covered cable tray to provide the support to prevent any physical damage. Make circular hole at the base plate/top plate of panels and provide cable gland according to the respective cable size for cable entry and exit so that the cables are not stressed on the sharp edges of the hole of	Within 3 month	On 28/12/2015: Corrected.	'29/05/2015	Corrected. We have re-arranged the cables & provided support properly as recommended by accord during follow up audit on 5th April-2015.	Corrected	
8	Generator frame not earthed.	Two separate and distinct earth connection (2 SWG) must be provided for 256kVA generator.	Within 1 month	On 28/12/2015: Corrected.	'20/05/2015	Corrected. Further we have provided earthing to the generator frame properly as recommended during follow up audit on 5th April-2015.	Corrected	

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9	Generator battery terminal covers are missing	Provide insulating cover to the battery terminal to prevent short circuit due to falling foreign metal on it.	Within 1 month	On 22/03/2016: Corrected.	'12/01/2016	Corrected. We have provided the battery terminal.	Corrected	
10	Unused materials are inside the Metering panel room.	Removed all unused materials from the Metering panel room.	Within 1 month	On 05/04/2015: Corrected.	'10/06/2014	Corrected. Already removed all unused materials from inside the Metering panel room.	Corrected	
11	11kV Leakage current collector of the HT cable termination not connected to earth.	Connect the Leakage current-collector of the HT cable to the earthing, otherwise, the insulation of the cable may get damaged due to induced voltage in it	Within 1 month	On 05/04/2015: Corrected.	'30/06/2014	Corrected. Already connected the Leakage current-collector of the HT cable to the earthing.	Corrected	

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12	11kV cable to transformer is laid on the floor without any protection.	Install the cables tray or duct with cover (metallic) for the protection of the cable laid on floor. Ensure the cables are tightly latched inside the ladder/tray and provide covers made of non-combustible material preferably metallic sheet to protect the cables' insulation from any physical damage as well as	Within 3 month	On 22/03/2016: Corrected.	'15/02/2016	Corrected. We have provided support to the 11KV cable as recommended.	Corrected	
13	No door earthing is found inside the HT panel.	Provide earth connection for body and door of HT Panel using green cables preferably braid so that the metallic door remains at zero potential all the time.	Within 1 month	On 05/04/2015: Corrected.	'10/09/2014	Corrected. We have provided earth connection as suggested.	Corrected	
14	Unused opening has been found inside the Distribution board.	Provide cable gland same as the cable size at the cable entry and exit so that the cables are not stressed on the sharp edges of the entry and exit hole of the switch boards & panels. Provide covers (of noncombustible material) if any additional gap remains after installing cable glands.	Within 1 month	On 05/04/2015: Corrected.	'16/09/2014	Corrected. We have completed the work as per the instruction given by Accord.	Corrected	

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15	No clearance has been found near the SDB.	Every item of installation shall be arranged so as to facilitate its operation, inspection, maintenance & access. Access of the DB must be kept obstacle free for easy operation & maintenance.	Within immediate month	On 28/12/2015: Corrected.	'11/04/2015	Corrected. We have ensured clearance to all the SDB.	Corrected	
16	Color code is not maintain inside the DB	Color code should be maintained as per standard. Earthing cable color should be green (Apply to all panels).	Within 1 Month	On 22/03/2016: Corrected.	'31/01/2016	Corrected. We have maintained color code inside the DBs as suggested by ACCORD.	Corrected	
17	MCCB installed without phase separators/barriers.	Provide phase separators between poles of MCCB made of noncombustible materials preferably use rubber having enough dielectric strength to insulate phases from each other.	Within 1 Month	On 28/12/2015: Corrected.	'12/05/2015	Corrected. We have provided phase separators/barriers between all poles of MCCB as suggested.	Corrected	

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18	Cable is laid on the floor	Install cable duct to protect the generator output cables and provide covers made of non-combustible material preferably metal to protect the cables' insulation from any physical damage as well as prevent the ingress of debris, dust and lint.	Within 3 month	On 05/04/2015: Corrected.	'11/10/2014	Corrected. We have completed the work as per given suggestion by accord.	Corrected	
19	Control components are mounted on the wooden board.	Wooden board must be removed from the panel to reduce the risk of spreading fire due to short circuit.	Within 1 Month	On 05/04/2015: Corrected.	'31/07/2014	Corrected. We have removed the wooden board from the panel to reduce the risk.	Corrected	
20	Multiple cable termination, No door bonding, no Cable lug	1. Multiple connection are not allowed. Use individual cable for each load. 2. Install door earthing for all panels 3. Use proper lug / bolt/washer for termination of cables.	Within 1 Month	On 22/03/2016: Corrected.	'30/05/2015	Corrected. We have completed the work as suggested.	Corrected	

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21	Free accessibility is not provided for exhaust fan switch	Working table must be removed from in front of the switch. Exhaust fan switch must be accessible.	Within 1 Month	On 22/03/2016: Corrected.	'30/05/2015	Corrected. We have removed working table from in front of the switch of remaining exhaust fans.	Corrected	
22	End cover for wiring duct is missing from under the working table	Provide cover made of insulating material on every open ends of the wiring duct.	Within 1 Month	On 05/04/2015: Corrected.	'10/09/2014	Corrected. We have provided insulating material on every open ends of the wiring duct as suggested.	Corrected	
23	Wiring duct are not mechanically supported and fixed properly.	Wiring duct must be fixed properly with proper structural support. Flammable materials (fabrics) must be stored away from the electrical wiring duct.	Within 1 Month	On 05/04/2015: Corrected.	'05/09/2014	Corrected. We have provided mechanically support as suggested.	Corrected	

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24	Cables are cross the passage without support with wrapping vinyl tape	Cable raceways must be installed over the walk-way, supported from the ceiling to provide mechanical support to these cables.	Within 1 Month	On 05/04/2015: Corrected.	'28/06/2014	Corrected. As the cross passage over the walk-way is small in length (64 inch), we have installed metallic support to the said cables.	Corrected	
25	New Finding: HT service cable is not properly supported.	HT cable must be protected in steel pipe of required size from the ground level to protect from physical damage. Use proper size clamp to support the HT cable	3 months	On 28/12/2015: Corrected.	'31/10/2015	Corrected. We have protected the HT cable as per given suggestion.	Corrected	
26	New Finding: Cables passing through wall/floor slab are not protected at the entry/exit point(s)	Cables passing through permanent wall/floor slab must be protected. Seal the opening by fire rated material protecting power cables thus no smoke can pass through this	2 months	On 22/03/2016: Corrected.	'31/01/2016	Corrected. We have protected the power cable entry/exit point as suggested.	Corrected	

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27	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.	3 months	On 28/06/2016: Corrected.	'30/03/2016	Corrected. We have completed the work as suggested.	Corrected	
28	New Finding: Cable duct/channels / trench are filled with fluffs (Lint/dust)	Clean all the cable channels/ducts; then seal them for permanent (you may use checkered/perforated plate at the bottom). But ensure that you have used proper sized cable for all of your electrical loads.	3 months	On 28/06/2016: Not corrected. On 06/09/2016: Corrected	'31/03/2016	Corrected. We have completed the work as suggested.	Corrected	
29	New Finding: Cable trench cover makes obstacle in the working clearance area (around 1.07m of the equipment)	Relocate the floor mounted cable trench; or construct a slope at both side of that trench.	2 months	On 22/03/2016: This issue had been found corrected in the 2nd follow-up visit. It is suggested to provide a slight slop at the end side of the RCC slab (used to cover the trench) to avoid falling of working personnel.	'05/06/2015	Corrected. The working clearance area is now obstacle free as we have taken corrective action as per given suggestion.	Corrected	

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30	New Finding: Battery cases are kept in wooden case	Use non-flammable case/shelf to store battery	1 month	On 28/12/2015: Corrected.	'08/08/2015	Corrected. We have replaced the battery cases by non-flammable case/shelf to store battery. We need little more time for this purpose.	Corrected	
31	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)	2 months	On 28/12/2015: Corrected.	'05/06/2015	Corrected. We have put electrical insulation (rubber mat) on the working area of each electrical installation (Transformer/LT panel/MDB/DB/SDB/ other manual operated machineries) as recommended.	Corrected	
32	New Finding: Broken MCCB installed inside the panel.	MCCB should be replaced by good one to avoid electric shocks	1 month	On 28/12/2015: Corrected.	'05/06/2015	Corrected. We have replaced the MCCB by good one as suggested.	Corrected	

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33	New Finding: Panel identification and danger signs not marked on the panels.	Panels must be identified and danger signs marked on the panels. Each panel must be provided with schematic diagram of the panel showing branch circuits.	1 month	On 28/12/2015: Corrected.	'05/06/2015	Corrected. We have identified the electric panels and also marked with danger sign.	Corrected	
34	New Finding: MCCBs are not adjusted accordingly	Adjust all the MCCBs according to cable ampacity (connected load). Avoid using different sized cable at the terminals	3 months	On 22/03/2016: The MCCB has been adjusted.	'15/02/2016	Corrected. We have adjust all MCCBs according to cable ampacity as recommended.	Corrected	
35	New Finding: Inadequate illumination near the panel. (typical)	Ensure adequate illumination near the panel thus any maintenance can be done comfortably (150 lux should be maintained)	3 months	On 28/12/2015: Corrected.	'08/08/2015	Corrected. We have installed adequate light source near the panel to ensure minimum illumination.	Corrected	

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36	New Finding: Multiple cables connected in the bus bar through single lugs. (typical)	Each cable must be connected in the bus bar through single lugs.	3 months	On 22/03/2016: Corrected.	'20/01/2016	Corrected. We have completed the work as suggested.	Corrected	
37	New Finding: Cable tray and steam line close to each other. Energy bulb creating excessive heat in the channel.	Cables and all electrical installations near stream line must be protected from external heat from stream pipes. Use alternative light source instead of energy bulb.	3 months	On 22/03/2016: Corrected.	'25/01/2016	Corrected. We have removed electrical cable tray from near the stream line to protect external heat and also used alternative light (LED) source as suggested.	Corrected	
38	New Finding: Power bus bar are installed congested; and power cables touch opposite phased bus bar	Ensure that no power cable touches bare bus bar. Use insulated bus bar (just covering existing bus bar by heat shrink)	2 months	On 28/12/2015: Corrected.	'08/06/2015	Corrected. We have completed the work as per given suggestion. (Enclosed Pic)	Corrected	

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39	New Finding: Lightning Protections System (LPS) is inadequate for the factory	Redesign/modify LPS for your factory to increase safety; Factory have to submit LPS design to Accord before starting	4 months	<p>On 22/03/2016: Not Corrected</p> <p>On 28/06/2016: Not corrected.</p> <p>On 06/09/2016: Not corrected.</p> <p>Factory has LPS drawing with minor modification.</p> <p>On 28/11/2016: Not corrected.</p> <p>On 09/02/2017: Not corrected.</p> <p>On 03/05/2017: Not corrected.</p> <p>Installation on hold due to retrofitting.</p> <p>On 27/08/2017: Not Corrected</p> <p>On 05/12/2017: Not corrected.</p> <p>They had drawing but installation was not started yet.</p> <p>On 02/04/2018: Not Corrected.</p> <p>On 30/01/2019: Not Corrected.</p>	'30/03/2016		In Progress	 
40	New Finding: Thermal scanning already performed but factory didn't take any necessary action to reduce the thermal issues.	Take necessary actions to reduce the thermal issues. Do thermal inspection twice in a year.	4 months	<p>On 22/03/2016: This issue has been found in incomplete state during the visit.</p> <p>On 28/06/2016: Corrected.</p>	'12/04/2016	Corrected. We have conducted thermal inspection on 12 Apr 2016 and again on 28 Apr 2016 after remediation work. As per the report of 2nd inspection we have reduced maximum number of thermal issues.	Corrected	

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41	New Finding: Boiler is not fixed properly. No earthing available in Boiler.	Please make sure all kind of electric equipment's are fixed and earthed properly to avoid any type of accident.	2 months	On 28/12/2015: Corrected.	'20/12/2015	Corrected. We have completed the work as suggested.	Corrected	
42	New Finding: Earth connections are not segregated	Ensure separate earthing connection for Generator body, transformer body, Electrical system and Lightning Protection System. Mark them all.	2 months	On 28/12/2015: Corrected.	'10/09/2015	Corrected. We have segregated earth connections as suggested.	Corrected	

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43	New Finding: Electrical Single Line Diagram (SLD) is unavailable	Draw as built electrical SLD mentioning all required information by qualified engineer and get it reviewed by Accord.	4 months	<p>On 22/03/2016: Not Corrected</p> <p>On 28/06/2016: Not corrected.</p> <p>On 06/09/2016: Not corrected.</p> <p>SLD is not as built at some points.</p> <p>On 28/11/2016: Not corrected.</p> <p>SLD is not as built at some points.</p> <p>On 09/02/2017: Not corrected.</p> <p>On 03/05/2017: Not corrected.</p> <p>On 27/08/2017: Not Corrected.</p> <p>New modified SLD is prepared and will be submitted for further reviewing in Accord.</p> <p>On 05/12/2017: Not Corrected.</p> <p>On 02/04/2018: Not Corrected.</p> <p>On 30/01/2019: Not Corrected.</p> <p>Cable identification has not been done.</p>	'30/04/2016	Corrected: ACCORD reviewed the SLD	In Progress	
44	New Finding: 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)	4 months	<p>On 28/12/2015: Corrected.</p>	'16/12/2015	Corrected. We have arranged insulation resistant test of all the cable.	Corrected	

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45	New Finding: Transformer Oil Test report is unavailable	Check the transformer oil condition by performing oil test. Do it once in a year and keep the record.	4 months	On 28/12/2015: Corrected.	'21/12/2015	Corrected. We have checked the transformer oil condition by performing oil test as suggested.	Corrected	
46	New Finding: Instruction for CPR (Cardiopulmonary Resuscitation) or Electrical shock restoration is not present	Hang this instruction near all electrical equipment (LT panel, MDB, FDB, DB, SDB) on a visible location	4 months	On 28/12/2015: Corrected.	'08/06/2015	Corrected. We have hanged CPR instruction near suggested area.	Corrected	
47	New Finding: Cables terminated without cable lugs	Terminate all the power/earth/neutral cable with proper sized cable lug.	1 month	On 22/03/2016: Corrected.	'31/01/2016	Corrected. We have completed the work as suggested.	Corrected	

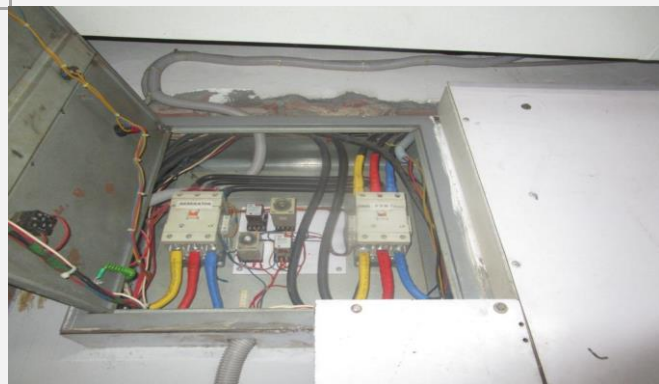
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48	New Finding: Bare power bus bar are installed closely.	Use insulated bus bar (just covering existing bus bar by heat shrink)	1 month	On 22/03/2016: Corrected.	'25/01/2016	Corrected. We have completed the work as suggested.	Corrected	
49	New Finding: Hot spots at terminations inside panel. Thermo graphic inspection record is unavailable.	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.	2 Weeks	On 06/09/2016: Not corrected. Critical hotspot found during inspection which need to rectify immediately. On 28/11/2016: not corrected. On 09/02/2017: Corrected. No hot spot has been found during inspection period.	'25/07/2016	Corrected. We have completed the work as suggested.	Corrected	
50	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.	1 month	On 06/09/2016: Corrected.	'10/08/2016	Corrected. We shall completed the work as suggested.	Corrected	

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51	New Finding: Large exhaust fans in production floors are directly Controlled by the MCB (typical issue).	Large exhaust fans must be connected through Control device (DOL Starter) such that it will not restart automatically when power is restored.	1.5 month	On 06/09/2016: Corrected.	'20/08/2016	Corrected: We shall completed the work as suggested.	Corrected	
52	New Finding: Circuit drawn without protection.	Provide circuit breaker for all incoming and outgoing circuits.	3 months	On 28/11/2016: not corrected. On 09/02/2017: Not corrected. On 03/05/2017: Not corrected. New LT panel required after transformer. On 27/08/2017: Not Corrected. On 05/12/2017: Corrected.	'15/12/2016	Already Done	Corrected	
53	New Finding: Electric safety training program is conducted but no outcomes observed during inspection.	Electrical safety training and awareness program for the electrical personal and workers need to be conduct periodically.	1 month	On 28/11/2016: Corrected.	'15/10/2016	Corrected. We have arranged periodically training program on electric safety and ensure to use PPE for all electrician.	Corrected	

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54	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	On 09/02/2017: Corrected.	'10/01/2017	Corrected: we have complete the work as suggest	Corrected	
55	New Finding: Hazardous lights in store room / storage areas are uncovered.	hazardous lights in store room / storage areas shall be covered by proper type material; or non-hazardous lights shall be installed in these areas.	1 Month	On 09/02/2017: Not Corrected. Time extension is given till 15/03/2017. On 03/05/2017: Corrected.	'15/03/2017	Corrected : We have removed all uncovered lights. Storage area have installed covered LED lights.	Corrected	
56	New Finding: Cables in service are joined (splicing) between terminations.	Splicing in the power cables shall be avoided; in unavoidable cases splicing, must be made following proper guidance.	1 Month	On 09/02/2017: Corrected.	'10/01/2017	Corrected: we have complete the work as suggest	Corrected	

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57	New Finding: Earth lead cable/ Earth Continuity Conductor size is inadequate/ undersize.	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 09/02/2017: Corrected.	'10/02/2017	Corrected: we have complete the work as suggest	Corrected	
58	New Finding: Earth Pit resistance record is out of date.	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.	2 Months	On 09/02/2017: Corrected.	'10/02/2017	Corrected. We have completed the works within time line.	Corrected	
59	New Finding: Hot Spots were observed at several points.	Hot spots must be eliminated from entire electrical system and shall be always carried forward.	2 Weeks	On 27/08/2017: Corrected. No hot spot is found during inspection.	'17/05/2017	Corrected: we have complete the work as suggest	Corrected	

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60	New Finding: No working separation between LT (Low Tension) panel/s and HT (High Tension) unit/s (Transformer, HT switchgear)	A working separation between LT and HT must be ensured. A brick wall will do it; and adequate working clearance (1.07m) and ventilation must be ensured.	2 months	On 27/08/2017: Not Corrected. Factory has made space to move LT panels and ATS in different location. On 05/12/2017: Not Corrected. They has separated LT & HT but working separation has not maintained. On 02/04/2018: Not Corrected. On 30/01/2019: Not Corrected. Adequate clearance not maintained.	'03/07/2017	Corrected: We arrange maximum possible working clearance by removing others equipment. Cleannces are front side 37", Left side: 29" and Right side 62"	In Progress	
61	New Finding: Earthing Cables are connected to neutral bus bar in TT earthing system	Earthing connections must be ensured proper type of earthing (either TT or TN) in the factory.	2 months	On 05/12/2017: Corrected.	'15/11/2017	Corrected: We have ensured TN earthing system in the factory in all distribution system.	Corrected	
62	New Finding: MCCBs are not adjusted per load demand.	All the MCCBs must be adjusted per cable current ampacity/load current; if adjustment is not possible, replacement will be the only way.	2 months	On 05/12/2017: Not Corrected. On 02/04/2018: Not Corrected. Circuit breaker rating is not identifiable. On 30/01/2019: Not Corrected. Circuit breaker rating is not identifiable.	'15/11/2017	Corrected: We have adjusted all MCCB's as per cable ampacity and load demand	In Progress	

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63	New Finding: Indicator lights are mounted without disconnecting device.	Indicator lights should be connected by control device such as rated fuse or MCB.	2 months	On 05/12/2017: Not Corrected. On 02/04/2018: Corrected.	'15/11/2017	Corrected: We have solved this issue provided rated fuse	Corrected	
64	New Finding: 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 cable's size.	2 months	On 30/01/2019: Corrected.	'15/05/2018	Corrected: We have solved this issue provided rated cable size	Corrected	
65	New Finding: Electrical power cables are not identified properly	Proper identification (by using cable marker, tag, Colored heat shrink) shall be done on major power cables used in the system according to SLD.	1 month	Factory asked for time extension till 30/09/2018. Not Accepted. On 30/01/2019: Not Corrected.	'15/05/2018	Already Corrected: Identification by using colored heat shrink already done.	In Progress	

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66	New Finding: Insulation resistance test of electrical power cables is out of date.	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	Factory asked for time extension till 31/07/2018. time extended from 15/05/2018 to 15/06/2018. On 30/01/2019: Corrected.	'15/06/2018	Corrected: Insulation resistance test has been done	Corrected	
67	New Finding: Thermography survey is not done properly Earth Pit resistance record is not done properly	Thermography survey must be done and recorded at least twice in a year. 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	1 Month	On 30/01/2019: Corrected.	'15/05/2018	Corrected: Thermography survey and Earth pit resistance record has been done.	Corrected	
68	1. New Finding: Distribution boards have no clear identification markings. 2. Instruction for CPR or Electrical shock restoration is not present 3. 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	1 Month	On 30/01/2019: Corrected. Do permanent marking.	'15/05/2018	Corrected	Corrected	

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69	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 30/01/2019: Not Corrected.	'15/05/2018		In Progress	
70	New Finding: Combustible materials are tied with cable ducts	Combustible materials shall be removed from electrical system.	1 Month	On 30/01/2019: Not Corrected.	'15/05/2018		In Progress	
71	New Finding: Uninsulated electrical tools & no PPE are 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	1 Month	On 30/01/2019: Not Corrected. No proper training material found.	'15/05/2018		In Progress	

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72	New Finding: Cables in service are joined (splicing) between terminations.	Splicing in the power cables shall be avoided; in unavoidable cases splicing, must be made following proper guidance.	1 Month	On 30/01/2019: Not Corrected.	'15/05/2018		In Progress	
73	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 30/01/2019: Not Corrected.	'15/05/2018		In Progress	
74	New Finding: Hazardous lights in store room / storage areas are uncovered.	Hazardous lights in store room / storage areas shall be covered by proper type material; or non-hazardous lights shall be installed in these areas.	1 Month	On 30/01/2019: Corrected.	'15/05/2018	Corrected	Corrected	

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75	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 30/01/2019: Corrected.	'15/05/2018	Corrected	Corrected	
76	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 30/01/2019: Not Corrected.	'15/05/2018		In Progress	
77	New Finding: Wiring among different floors using flexible/rigid PVC pipe- this arrangement does not have any support for cables	A cable ladder must be used; if it is routed through outside wall, either the cable ladder must be covered or a cable duct must be used	1 Month	Factory asked for time extension till 31/07/2018. time extended from 15/05/2018 to 15/06/2018. On 30/01/2019: Corrected.	'15/05/2018	Corrected: We have already installed ladder	Corrected	

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78	New Finding: Pump has inadequate/no earthing connection	Each electrical installation must have proper earth connection.	1 Month	On 30/01/2019: Corrected.	'15/05/2018	Corrected	Corrected	
79	New Finding: Panel/distribution board is not firmly fixed with the foundation.	panel base must be securely fixed to the foundation. With appropriate fastening devices.	1 Month	On 30/01/2019: Corrected.	'15/05/2018	Corrected	Corrected	
80	New Finding: only one ECC pit is connected to generator frame. HT & LT Earthings are not separated	Two separate earth connection & one separate and distinct Neutral connection must be provided over generator. Generator body must have earth connection with half of phase conductor/follow manufacturer/suppliers recommendation.		On 30/01/2019: Corrected.	'15/05/2018	Corrected: 2 ECC pit is connected to generator frame. HT & LT earthings are separated	Corrected	

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81	.New Finding: Multiple cables connected/terminated at the bus bar using single cable lug.	Each power cable must be terminated at any point using single cable lug.	1 Month	On 30/01/2019: Corrected.	'15/05/2018	Corrected	Corrected	
82	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 30/01/2019: Corrected.	'15/05/2018	Corrected	Corrected	
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