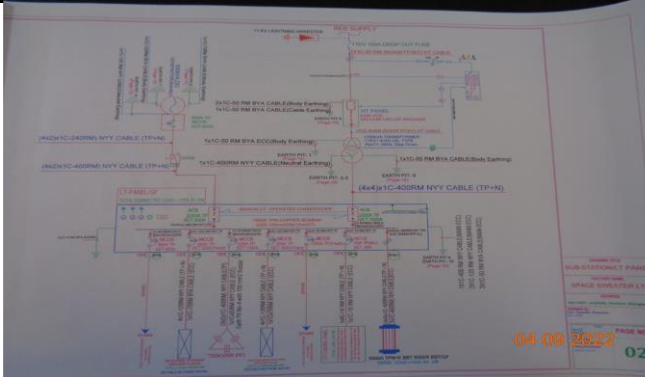


### ELECTRICAL SAFETY FOLLOW UP INSPECTION REPORT (3RD)

<b>Factory Name</b>	Space Sweater Ltd (Jogitala)				Note:
<b>Address</b>	Shi-145/1, Jogitola, Joydebpur,				
<b>FACTORY ID</b>	<b>23383</b>	ELECTRICAL SAFETY INSPECTION DATES			
<b>Initial Inspection Date</b>	02-Jul-2018	Date of 5 <sup>th</sup> Follow Up	Date of 11 <sup>th</sup> Follow Up	Date of 17 <sup>th</sup> Follow Up	Other Factory:
<b>Report Received Date</b>	19-Aug-2018	Date of 6 <sup>th</sup> Follow Up	Date of 12 <sup>th</sup> Follow Up	Date of 18 <sup>th</sup> Follow Up	
Date of 1 <sup>st</sup> Follow Up	14-May-2019	Date of 7 <sup>th</sup> Follow Up	Date of 13 <sup>th</sup> Follow Up	Date of 19 <sup>th</sup> Follow Up	
Date of 2 <sup>nd</sup> Follow Up	17-May-2022	Date of 8 <sup>th</sup> Follow Up	Date of 14 <sup>th</sup> Follow Up	Date of 20 <sup>th</sup> Follow Up	
Date of 3 <sup>rd</sup> Follow Up	04-Sep-2022	Date of 9 <sup>th</sup> Follow Up	Date of 15 <sup>th</sup> Follow Up	Date of 21 <sup>st</sup> Follow Up	
Date of 4 <sup>th</sup> Follow Up		Date of 10 <sup>th</sup> Follow Up	Date of 16 <sup>th</sup> Follow Up	Date of 22 <sup>nd</sup> Follow Up	
<b>Inspected by</b>	<b>Gobinda Chandra Roy</b>				

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	Electrical Single Line Diagram (SLD) is unavailable in the factory	As built Electrical SLD must be prepared; it must have factory's whole electrical installation information	2 MONTHS	On 14/05/2019: Not corrected. Factory is working on this issue. On 17-May-2022: Not Corrected. Still some work is pending. SLD is needed to be reviewed by RSC. Comments by CH on 14/8/22: Progress status will be changed to PV when SLD is accepted. <b>On 04/09/2022:</b> Not Corrected. Some progress has been observed. Factory is working to update SLD.	28-Oct-2018		In Progress	
2	Lightning Protection System (LPS) installation is not completed.	Factory has to design Lightning Protection System (LPS) for the whole factory (where the Risk index is more than 40). Once LPS is designed properly, installation must be done accordingly.	3 MONTHS	On 14/05/2019: Corrected.	28-Nov-2018	Installation of Lightning Protection System is in progress . 70 % work already completed. Remaining work will be completed within given time frame.	Corrected	

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3	Transformer Oil Test (dielectric strength test) report is unavailable	Transformer oil test (dielectric strength test for oil) shall be done once in a year.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will do the test of transformer oil according to Accord guide line.	Corrected	
4	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)	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We are working to maintain schedule of inspection & testing of electrical equipment's/installations according to Accord guide line.	Corrected	
5	No LOTO (Lock-Out-Tag-Out) policy is introduced for safety of the personnel during any kind of maintenance work	Need to introduce and implement 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 using records.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We already trained electrical personnel about Lock Out & Tag Out policy but log out tag out device not available in the factory. Factory will purchase the devices & it will be available in factory within given time line.	Corrected	

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6	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 14/05/2019: Corrected.	28-Oct-2018	We will separate the LT panel and HT panel area by brick wall. It will complete within given time line.	Corrected	
7	Inadequate working space around transformer for performing maintenance work.	Minimum working space (1.07m) around the transformer (and related electrical installations) must be maintained.	3 MONTHS	On 14/05/2019: Corrected.	28-Nov-2018	We will maintain the minimum requirement width area as working space in transformer room.	Corrected	
8	Maintenance movement is obstacle due to uneven height of cable trench in utility area (transformer room)	Work place around transformer (or other electrical installation) must be on same height.	3 MONTHS	On 14/05/2019: Corrected.	28-Nov-2018	We will remove uneven height of cable trench in transformer room.	Corrected	

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9	11kV power cables laid on substation room floor which makes obstacle in the working areas.	HT cables shall be rerouted avoiding obstacles in the working areas of electrical installations	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will rerouted the HT cable from transformer maintenance path.	Corrected	
10	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).	2 MONTHS	On 14/05/2019: Not corrected. On 17-May-2022: Corrected.	28-Oct-2018	We have completed earth connection segregation. It completed on 1st October, 2019.	Corrected	
11	Earth pits are not identifiable.	Each earth pit shall be properly identifiable and marked for periodic maintenance.	1 MONTH	On 14/05/2019: Corrected.	28-Sep-2018	We will properly identify all earth pits.	Corrected	

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12	Distribution boards have no clear identification markings	All distribution boards, switchboards, sub main boards and switches shall be marked clearly for proper identification.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We are working to mark to all electrical distribution box. It will be complete within given time line.	Corrected	
13	Instruction for CPR (Cardiopulmonary Resuscitation) or Electrical shock restoration is not present.	CPR instruction shall be hanged near all electrical installations (LT panel, MDB, FDB, DB, SDB) at visible location.	1 MONTH	On 14/05/2019: Corrected.	28-Sep-2018	We are working to post CPR instructions to all electrical installation/boards.	Corrected	
14	Panel doors are not connected with earth.	All metal installation which a part of electrical system are must be connected to earth to avoid electrical shock or electrocution.	1 MONTH	On 14/05/2019: Corrected.	28-Sep-2018	We are working to connect ear thing to all door of electrical panel boards.	Corrected	

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15	Phase barrier/separators are missing in MCCBs.	Phases must be separated by insulator (a rubber type no-flammable material shall be used for it).	1 MONTH	On 14/05/2019: Corrected.	28-Sep-2018	We will provide phase separator to all MCCBs.	Corrected	
16	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.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will install base plate including cable gland to all required area.	Corrected	
17	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.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will remove cable bending from electrical board.	Corrected	

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18	Distribution Board's top/bottom is left open.	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.	2 MONTHS	On 14/05/2019: Not corrected. Factory is working on this issue. On 17-May-2022: Corrected.	28-Oct-2018	We have Completed each electrical distribution board/panel by proper sealed. It completed on 1st November, 2019.	Corrected	
19	Unterminated live wire is kept inside the electrical panel.	All the unterminated live power cables must be removed as soon as possible.	1 MONTH	On 14/05/2019: Corrected.	28-Sep-2018	We will remove all unterminated live power cable .	Corrected	
20	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.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will separated the all power cable & service by following proper guideline.	Corrected	

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21	MCCBs are not adjusted per load demand.	All the MCCBs must be adjusted per connected load current; if adjustment is not possible, replacement will be the only way.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will adjust all MCCBs according to load plan.	Corrected	
22	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).	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will remove all loop connection and will provide cable lug to each cable separately.	Corrected	
23	Cable connected to busbar/MCCB/ MCB terminal without cable lug.	Each electrical circuit must be terminated at single busbar/MCB/MCCB terminal using cable proper sized cable lug (where applicable).	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will provide cable lug to each cable connection to busbar/MCCB/MCB terminals.	Corrected	



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24	Multiple cables (came from different electrical consumers) terminated at MCCB terminals/ Busbar.	Each electrical circuit must be terminated at single MCB/MCCB terminals.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will provide each electrical circuit at single MCB/MCCB terminals.	Corrected	
25	Live terminal left exposed.	Electrical terminal must be enclosed by proper rated material.	1 MONTH	On 14/05/2019: Corrected.	28-Sep-2018	We will enclosed all electrical terminal by proper rated materials.	Corrected	
26	Compressor is installed without proper grout.	Compressor must be installed with proper grout.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will provide the required base on compressor machine.	Corrected	

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27	Cable directly connected with motor coil without terminal box.	Cable must be connected through motor terminal box as manufacturer guideline.	3 MONTHS	On 14/05/2019: Corrected.	28-Nov-2018	We will use motor terminal box to connect the cable line for motor.	Corrected	
28	Generator output cables (laid on floor) are not protected and supported.	Service cables from generator must be supported at its own breaker's terminal and with cable tray.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will provide cable tray for cable transfer in generator room.	Corrected	
29	BBT feeder box/tap off box left open for ingress of lint, dust or fluffs.	Feeder box/tap off box must be properly sealed to avoid ingress of any foreign particles.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will seal all BBT feeder box/tap to avoid enter the out side dust.	Corrected	

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30	Feeder box/tap off box must be properly sealed to avoid ingress of any foreign particles.	Power cables must be supported by cable tray (ladder- where needed). Outdoor arrangement must be covered.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will provide cable tray to proper hanging of power cable in wash section.	Corrected	
31	Wiring or extensions to connect equipment/ devices are laid on floors unprotected in flexible PVC.	The cable connection to machines/equipment may be run under the checkered plates (existing) and in trenches or rigid conduits/cable trays and supports to protect from external damages.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We will provide proper support for power cable to avoid external damage in winding section.	Corrected	
32	Capacitor on motor attached with combustible material and tied with rope.	Capacitor must be free from combustible and fix by permanents means.	2 MONTHS	On 14/05/2019: Corrected.	28-Oct-2018	We already removed combustible material from capacitor of motor and fix by required permanent system.	Corrected	

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33	Electrical power cables and circuit breakers are not identified properly.	Proper identification shall be done on power cables circuit breakers used in the system according to SLD.	2 MONTHS	On 14/05/2019: Not corrected. Factory is working on this issue. On 15/12/2019: Factory requested for timeline extension which is not acceptable On 17-May-2022: Not Corrected. Still some work is pending. <b>On 04/09/2022:</b> Not Corrected. Some progress has been observed.	28-Oct-2018		In Progress	
34	New Finding: Lightning Protection System (LPS) is installed but it needs some modification.	Factory need to perform regular maintenance, remove paint from conductor and connect bonding with metal parts at the roof.	1 Month	<b>On 04/09/2022:</b> Not Corrected. Some progress has been observed. Air terminal is not within 2 feet from outermost projection. Air terminal height is below the highest structure.	22-Jun-2022		In Progress	
35	New Finding: Machines and other electrical devices are installed without any protection device (fuse/breaker).	Any kind of electrical load should have protection breaker/fuse.	1 Month	Comments by CH on 14/8/22: Factory asked for timeline extension which is not acceptable. <b>On 04/09/2022:</b> Not Corrected. Some progress has been observed. The factory is working on it.	22-Jun-2022	We are protecting any kind of electrical load by breaker/fuse. It is partially completed on 30 Jun 2022. Waiting for RSC verification.	In Progress	

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36	<p>New Finding: Exhaust fan body and fan blade enclosure has no earth connection.</p> <p>Electrical equipment and features are not secured properly.</p>	<p>Exhaust fan frame and its enclosure in the production area/s shall be connected to earth.</p> <p>Electrical equipment must be installed and secure properly against electrical hazard.</p>	1 Month	<b>On 04/09/2022:</b> Corrected.	22-Jun-2022	<p>We have connected exhaust frame and its enclosure in the production areas to earth.</p> <p>It is completed on 30 Jun 2022. Waiting for RSC verification.</p>	Corrected	
37	<p><b>New Finding:</b> Hot spots have been observed at some points. (above 30°C of ambient)</p>	Hot spots must be eliminated from entire electrical system.	1 Month		22-Oct-2022			
38	<p><b>New Finding:</b> MCCBs/MCBs are not installed/adjusted per load demand.</p>	All the MCCBs/MCBs must be installed/adjusted as per connected load current; if adjustment is not possible, replacement will be the only way.	2 Months		26-Nov-2022			

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39	<b>New Finding:</b> Improper terminations are available at panel boards.	Cables needs to be terminated in busbar with proper sized cable lugs, washer, nut-bolts with direct contact to the buses. No busbar tubes shall be in between the contacts.	2 Months		26-Nov-2022			
40	<b>New Finding:</b> Inadequate working space around transformer for performing maintenance work.	Minimum working space (1.07m) around the transformer (and related electrical installations) must be maintained.	2 Months		26-Nov-2022			
41	<b>New Finding:</b> Transformer Breather oil cup is empty.	Transformer breather oil cup must be filled up to the oil mark on the cup.	1 Month		22-Oct-2022			