15-Feb-2023

ELECTRICAL SAFETY

From 1st June 2020 all inspections conducted by the RMG Sustainability Council.

Before 1st June 2020 all inspections conducted by the Stichting Bangladesh Accord Foundation.

Remediation Summary of Actions Required

Factory Name & Address	Impress-Newtex Composite Textiles Limited, Gorai, Mirzapur, Tangail, Tangail
Date of Inspection	24-Jun-2014
Finance Plan Agreed	Yes

Inspection Visit Type	Inspection Visit Sub Type	Item No	Inspection Observation	Inspection Action Plan	Factory Action Plan	Final Timeline	Inspection Comments	Inspection Timeline	Progress Status
Initial Inspection		1	Multiple cables connected to single terminal at the changeover switch.	Multiple cable termination should be removed from changeover switch terminal.	Corrected	Aug 24 2014	Corrected at the 1st follow-up inspection.	Within 1 month	Corrected
Initial Inspection		2	Cables laid on floor behind panel not protected.	Provide a metallic (steel) cable tray or duct with protective cover to route the cables as well as protect the cables		Aug 24 2014	Corrected at the 1st follow-up inspection.	Within 3 month	Corrected
Initial Inspection		3	Cables passing through wall and supported on cable ladder not protected and remaining gaps after passage of cables through wall not sealed.	Cables passing through permanent walls must be protected in covered cable tray/ steel pipe /PVC pipes and	Corrected	Aug 24 2014	Corrected at the 1st follow-up inspection.	Within 3 month	Corrected
Initial Inspection		4	Cables entering/leaving LT Panel are not firmly supported with cable glands, and panel base plates removed to allow cable entry.	Cables entering to panel must be firmly fixed with cable gland to minimize stress at terminals. Panel base plates must		Aug 24 2014	Corrected at the 1st follow-up inspection.	Within 1 month	Corrected
Initial Inspection		5	Inadequate working space around panels.	Every item of installation should be arranged so as to facilitate its operation, inspection, maintenance &	Corrected	Aug 24 2014	On 26/05/2016: Panel has been removed. Corrected at 2nd follow up inspection.	Within 3 month	Corrected
Initial Inspection		6	Barrier/separators between different phases are not installed.		Corrected	Mar 31 2016	Provide phase separator in the remaining gaps. New timeline to resolve this issue is 31st march, 2016.	Within 1 month	Corrected

Initial Inspection	7	Cables/wires passing through wall not protected and remaining gaps around the cable/wiring not sealed.		Corrected	Mar 31 2016	Provide phase separator in the remaining gaps. New timeline to resolve this issue is 31st march, 2016.	Within 3 month	Corrected
Initial Inspection	8	Hot spot (nuts and Bolts) visible inside of panel.	Periodic inspection is needed to identify all the loose connection and tighten up all the	Corrected	Mar 31 2016	Provide phase separator in the remaining gaps. New timeline to resolve this issue is 31st march,	Immediate	Corrected
Initial Inspection	9	Alignment of bus-bar connection is not proper.	connections. Use All the electrical bus bar connection should be properly aligned to have full surface	Corrected	Aug 24 2014	2016. Corrected at the 1st Follow-up inspection.	Within 1 month	Corrected
Initial Inspection	10	Cable trench is not protected.	contact to Provide covers on the trench made of non- combustible material preferably	Corrected	Aug 24 2014	On 26/05/2016: Corrected at the 2nd Follow-up inspection.	Within 1 month	Corrected
Initial Inspection	11	Large exhaust fans (1.5KW) in production floors and compressor room are directly controlled by the MCB.	concrete slab to Large exhaust fans must be connected through control device such that it will not restart	Corrected	Aug 24 2014	Corrected at the 1st follow-up inspection.	Within 1 month	Corrected
Initial Inspection	12	Motor in the boiler room, not firmly fixed on the foundation / frame.	automatically Motor in boiler must be fixed firmly on the concrete floor (base slab should be built).	Corrected	Aug 24 2014	Corrected at the 1st follow-up inspection.	Within 3 month	Corrected
Initial Inspection	13	Burnt sign visible at MCCB terminal inside panel.	Arrange periodic inspection & thermal scan to identify the overloading, loose connection, unbalanced load		Aug 24 2014	Corrected at the 1st follow-up inspection.	Immediate	Corrected
Initial Inspection	14	PVC flexible conduit inside production floor.		Corrected	Aug 24 2014	Corrected at the 1st follow-up inspection.	Within 3 month	Corrected

Initial Inspection	15	BBT passing through floor not protected and remaining gaps around the BBT not sealed.	BBT passing through permanent floor/wall must be protected in steel/PVC pipes and remaining	Corrected	Aug 24 2014	Corrected at the 1st follow-up inspection.	Within 3 month	Corrected
Initial Inspection	16	Lightning arrestor is not installed.	Lightning arrestor must be installed (according to NFPA 780) with proper size air termination	Corrected	Apr 14 2016	On 18/02/2016: This issue is not corrected. New timeline to resolve this issue is 14th April, 2016.	Within 1 month	Corrected
Follow Up Inspection	17	New Finding: Generator output cables (laid on floor) are not protected and supported.	network. down Ensure adequate protection for power cables by arranging cable trench with checkered plate. Do not make any	Corrected	Aug 29 2015	On 26/05/2016: On 26/05/2016: Corrected at the 2nd follow-up inspection.	Within 2 Months	Corrected
Follow Up Inspection	18	New Finding: Inadequate sized earth cable connected to generator frame.	Two separate and distinct earth connection must be provided over generator. Generator body must have earth	Corrected	Aug 29 2015	On 26/05/2016: Corrected at the 2nd follow-up inspection.	Within 2 Months	Corrected
Follow Up Inspection	19	New Finding: Battery terminals are not covered.	Use insulated rubber cap to cover all the battery terminals.	Corrected	Aug 29 2015	On 26/05/2016: Corrected at the 2nd follow-up inspection.	Within 1 Months	Corrected
Follow Up Inspection	20	New Finding: Electrical Single Line Diagram (SLD) is not amended properly.	Amend Electrical SLD properly. Mention all the modification there as present in the factory.	Corrected	Apr 14 2016	This issue is not corrected. New timeline to resolve this issue is 14th April, 2016. On 26-05-2016:	Within 2 Months	Corrected
Follow Up Inspection	21	New Finding: Thermography scanning report is unavailable	Keep a thermography scanning record o your electrical system at least twice a year	Corrected f	Aug 29 2015	SLD is available On 26/05/2016: Corrected at the 2nd follow-up inspection.	Within 2 Months	Corrected
Follow Up Inspection	22	New Finding: No separation between LT panels and Transformer	Make a brick built separation between LT Unit and Transformer; ensure that after making separator vou have	Corrected	Apr 14 2016	On 26-05-2016: Corrected.	Within 2 Months	Corrected

Follow Up Inspection	23	New Finding: Earth pits are not identifiable & earth resistance record is unavailable.	Identify each earth pit and mark it for periodic maintenance purpose. All earthing systems shall be tested for		Apr 14 2016	On 26-05-2016: Corrected.	Within 2 Months	Corrected
Follow Up Inspection	24	New Finding: Excess cable laid randomly without protection.	Rearrange the haphazard cables behind panels for easy access for maintenance. Cable tray with cover may be	Corrected	Apr 14 2016	On 26-05-2016: Corrected.	Within 2 Months	Corrected
Follow Up Inspection	25	New Finding: Insulation resistance test of electrical cables is not performed	Insulation resistant test of all the cables must be performed once every 2 year cycle and recorded (this	Corrected I	Apr 14 2016	On 26-05-2016: Corrected.	Within 2 Months	Corrected
Follow Up Inspection	26	New Finding : Excess HT cable length not supported	Excess length of existing HT cables coiled near panel must be protected and laid safely.		Apr 14 2016	On 26-05-2016: Corrected.	Within 2 Months	Corrected
Follow Up Inspection	27	New Finding: Multiple cables connected in the bus bar through single lugs.	Each cable must be connected in the bus bar through single lugs.	Corrected	Mar 15 2016	On 26-05-2016: Corrected.	Within 1 Month	Corrected
Follow Up Inspection	28	New Finding : Generator Panel base plate removed to allow cable entry	Panel base plate must be installed and cable(s) entering panel must be firmly fixed with cable	Corrected	Mar 15 2016	On 26-05-2016: Corrected.	Within 1 Month	Corrected
Follow Up Inspection	29	New Finding: (1)Earth connections are not segregated. Transformer/Generator neutral and system earthing are connected in same bus. (2)Transformer Body earthing cable is	• • • • • • • • • • • • • • • • • • • •		Sep 30 2016	On 15/11/2016: Corrected.	1 Month	Corrected
Follow Up Inspection	30	inadequate New Finding: Transformer Oil Test report is unavailable.	Electrical system Check the transformer oil condition by performing oil test. Do it once in a year and keep the record.	Corrected	Sep 30 2016	On 15/11/2016: Corrected.	1 Month	Corrected

Follow Up Inspection	31	New Finding: Light in store room / storage areas is uncovered.	Lights in store room / storage areas shall be covered	Corrected	Sep 30 2016	On 15/11/2016: Corrected.	1 Month	Corrected
Follow Up Inspection	32	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.		Dec 20 2016	On 24/01/2017: Corrected	1 Month	Corrected
Follow Up Inspection	33	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 electrica installation. In unavoidable case.		Feb 28 2017	On 19/04/2017: Not corrected. On 06/08/2017: Not Corrected. On 15/11/2017: Not corrected. Steam line is	1 Month	Corrected
Follow Up Inspection	34	New Finding: No/Inadequate rubber (insulation) mat at the working area of distribution board/panel. Panel/distribution board is not firmly fixed with the foundation. Inadequate working space around	Electrical f insulation (not less than 3 mm thick in case of rubber mat) at the working area of	Corrected	May 30 2017	On 06/08/2017: Not Corrected. Rubber mat and space around panels are not adequate.	1 Month	Corrected
Follow Up Inspection	35	nanels and access to the nanel is New Finding: Phase barrier/separators are missing in MCCBs Power bus bars are installed congested; and power cables touch other phase bus bar/s	each electrical Phases must be separated by insulator (a rubber type no- flammable materials shall be	Corrected	May 30 2017	On 15/11/2017: On 06/08/2017: Corrected.	1 Month	Corrected
Follow Up Inspection	36	New Finding: MCCBs are not adjusted per load demand. HT Cable dropping from 11kV OH line wire is used instead of Drop out fuse.	must be adjusted per cable current ampacity/load current; if adjustment is not	Corrected	May 30 2017	Not Corrected. Drop out fuse installed but MCCBs are not adjusted.	1 Month	Corrected
Follow Up Inspection	37	New Finding: HT Cables & LT cables are not separated Cable duct/ channels are filled with fluffs (Lint/dust). BBT & Cable duct/channel end cover is missing	nossible. HT Cables & LT cables must be separated. Use separate cable trays	Corrected	May 30 2017	On 15/11/2017: On 06/08/2017: Not Corrected. Fluffs found inside cable trench. On 15/11/2017: Corrected.	1 Month	Corrected
Follow Up Inspection	38	is missing New Finding: Generator wheel is not fixed Transformer room is not readily accessible Transformer metal fencing has no ECC connection	having adequate Generator wheel shall be fixed with foundation Transformer room shall be readily accessible		May 30 2017	On 06/08/2017: Corrected.	1 Month	Corrected

Follow Up Inspection	39	New Finding: Power Cables are hanging without proper support. Generator output cables (laid on floor) are not protected and supported	Power cables must be supported by cable tray (ladder- where needed). Outdoor	Corrected	May 30 2017	On 06/08/2017: Not Corrected. On 15/11/2017: Corrected.	1 Month	Corrected
Follow Up Inspection	40	New Finding: LPS not maintained regularly. Connectors are rusted. Air terminals are missing at several points of Lightning Protection System. Bonding are not done as per standard	arrangement must Rusted/damaged joints, air terminals, conductor shall be	Corrected	May 30 2017	On 06/08/2017: Corrected.	1 Month	Corrected
Follow Up Inspection	41	New Finding: Earth connections for different electrical installation are not	LPS shall be maintained All the earth connections	Corrected	May 30 2017	On 06/08/2017: Not Corrected.	1 Month	Corrected
		segregated	(transformer, generator and electrical systems) must be segregated and			On 15/11/2017: Corrected.		
Follow Up Inspection	42	New Finding: Field information has no/less reflection in existing SLD Electrical power cables are not	Electrical SLD must be amended properly; all the required information must	Corrected	May 30 2017	On 06/08/2017: Not Corrected. On 15/11/2017: Corrected.	1 Month	Corrected
Follow Up Inspection	43	identified properly New Finding: Safety program is initiated but has no influence in the factory	be mentioned there: and it shall Electrical safety	Corrected	May 30 2017	On 06/08/2017: Corrected.	1 Month	Corrected
		·	program for the electrical personal and workers must be conducted and					
Follow Up Inspection	44	New Finding: Earth lead cable/Earth Continuity Conductor size is inadequate/undersize at BBT.	Earth lead cable/ Earth Continuity Conductor (ECC) must be resized by half of the phase. Cable size shall be	Corrected	Sep 15 2017	On 15/11/2017: Corrected.	1 Month	Corrected
Follow Up Inspection	45	New Finding: Hot Spots were observed at several points.	selected Hot spots must be eliminated from entire electrical system and shall be always carried forward.	Corrected	Aug 20 2017	On 15/11/2017: Corrected. No such issue was found during inspection.	2 Weeks	Corrected
Follow Up Inspection	46	New Finding: Insulation resistance test of electrical power cables is manipulated Earth Pit resistance record is manipulated	Insulation resistance test of all the cables (you can avoid less than 25 sq.mm) must be performed once in	Corrected	Aug 20 2018	On 08/07/2018: Pictorial evidence for each readings are needed. On 13/12/2018: Corrected.	1 Month	Corrected

Follow Up Inspection	47	New Finding: Hot Spots were observed at several points.	Hot spots must be eliminated from entire electrical system and shall be always carried forward.	Corrected	Aug 20 2018	On 13/12/2018: Corrected. No hot spot has been found.	1 Month	Corrected
Follow Up Inspection	48	New Finding: Field information has no/less reflection in existing SLD	Electrical SLD must be amended properly; all the required information must be mentioned	We have submitted the proposed SLD to RSC on 15 November 2022. After getting RSC	Aug 20 2018	Factory should resubmit SLD to ACCORD for another Review with CAD file.	1 Month	In Progress
Follow Up Inspection	49	New Finding: Panel/distribution board is not firmly fixed with the foundation.	panel base must	review we will Corrected	Aug 20 2018	On 13/12/2018: On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	50	New Finding: Panel has unwanted openings.	Openings should be sealed properly	Corrected	Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	51	New Finding: Phase barrier/separators are missing in MCCBs Power bus bars are installed congested,		Corrected	Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	52	New Finding: Panel/Distribution boxes are inaccessible or cannot be opened to perform any maintenance work.	used for it) Each electrical distribution board/panel must be easily accessible. In case of height its top	Corrected	Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	53	New Finding: Panel doors are not connected with earth. Earth lead cable/Earth Continuity Conductor size is	shall not be higher All metal installation which are part of electrical system must be connected to	Corrected	Aug 20 2018	On 13/12/2018: Not Corrected. SLD has not been as built yet. On 18/07/2019: Not Corrected.	1 Month	Corrected
Follow Up Inspection	54	inadequate/undersize New Finding: Generator output box has openings	earth to avoid Unwanted openings shall be sealed properly.	Corrected	Aug 20 2018	On 07-Nov-2019:	1 Month	Corrected

Follow Up Inspection	55	New Finding: Indicator lights are mounted without control device.	Indicator lights Corrected should be connected by control device such as rated fuse or MCB.	Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	56	New Finding: Cable duct/channels are filled with fluffs (Lint/dust).	Cable Corrected channels/ducts must be kept neat and clean; these must be sealed properly thus no	Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	57	New Finding: Buchholz relay is not connected with the protection system	scope of Connect the Corrected Bocholt relay with the protection system	Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	58	New Finding: Transformer Breather oil cup is empt	Transformer Corrected ty breather oil cup must be filled not more than 70% of its capacity.	Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	59	New Finding: Inadequate working space around transformer for performing maintenance work	Minimum working Corrected space (1.07m) around the transformer (and related electrical installations) must	Aug 20 2018	On 13/12/2018: Not Corrected. On 18/07/2019: Corrected.	1 Month	Corrected
Follow Up Inspection	60	New Finding: Cables are laid on floor without any support. Cables are hanging without proper support.	be maintained Use a cable tray to Corrected ensure adequate support and cover it by checkered plate.	Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	61	New Finding: Distribution boards have no clear identification markings. Instruction for CPR (Cardiopulmonar Resuscitation) or Electrical shock restoration is not present No/Inadequate rubber (insulation)	boards,	Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	62	mat at the working area of New Finding: Boiler feed pump has inadequate/no earthing connection	proper Each electrical Corrected	Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected

Follow Up Inspection Follow Up Inspection	63 64	New Finding: Air terminal baseplate & run conductor is not connected properly Metallic bonding, run conductors & air terminals are missing Air terminals are not installed at proper height. etc. New Finding:	Modification shall Corrected be done according to acknowledged standard Combustible Corrected		On 13/12/2018: Not Corrected. On 18/07/2019: Corrected.	1 Month	Corrected
	·	Combustible materials are tied with BBT	materials shall be removed from electrical system.		Corrected.		5565.65
Follow Up Inspection	65	New Finding: Circuit breaker rating is not identifiable. MCCBs are not adjusted per load demand.	Replace the old breaker with a new one so that anyone can know the ampacity of the breaker.	ed Aug 20 2018	On 13/12/2018: Not Corrected. On 18/07/2019: Not Corrected. On 07-Nov-2019: Not Corrected. On 13/02/2022:	1 Month	Corrected
Follow Up Inspection	66	New Finding: Tap-off box has openings Cable channel/duct terminals are left open for ingression of lint, dust or fluffs.	Unwanted Corrected openings should be sealed & BBT tend cover needs to be installed	ed Aug 20 2018		1 Month	Corrected
Follow Up Inspection	67	New Finding: Cables in service are joined (splicing) between terminations. Flexible PVC pipe has been used insid the panel covering cables.	Splicing in the Corrected power cables shall be avoided; in unavoidable cases	ed Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	68	New Finding: Multiple cables (came from different electrical consumers) terminated at MCCB terminals/ Busbar.	Each electrical Corrected	ed Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	69	New Finding: Power cables are bent excessively	Power cables Corrected must be installed as straight as possible; in unavoidable case, not less than 135-	ed Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected
Follow Up Inspection	70	New Finding: HT Cable dropping from 11kV OH line is not firmly supported to the pole ar not protected at the base if the pole above ground level.	nd must be firmly	ed Aug 20 2018	On 13/12/2018: Corrected.	1 Month	Corrected

Follow Up Inspection	71	New Finding: Panel/Distribution box is inaccessible or cannot be opened to perform any maintenance work.	board/panel must be easily accessible. In case of height its top	Dec 19 2019	On 07-Nov-2019: 1 N New Finding On 13/02/2022: Not Corrected. Few panel boards and MCB boxes	Month C	Corrected
Follow Up Inspection	72	New Finding: Transformer neutral and body earthing (equipment earthing) cable size is inadequate.	shall not be higher System and Corrected equipment earthing cable size must be increased. The earth cable size shall be	Mar 15 2022	are not easily On 05/07/2022: 1 N Corrected.	Month C	Corrected
Follow Up Inspection	73	New Finding: No mechanical guards are provided for rotating electrical equipment where necessary.	Adequate and Corrected proper safety measures must be taken for all the rotary type installation.	Mar 15 2022	On 05/07/2022: 1 N Corrected.	Month C	Corrected
Follow Up Inspection	74	New Finding: Circuit is drawn from bus bar without any protective means.	drawn from distribution board busbar using a proper type of	Mar 15 2022	On 05/07/2022: 1 N Corrected.	Month C	Corrected
Follow Up Inspection	75	New Finding: Power cables are bent excessively.	nrotection Power cables Corrected must be installed as straight as possible; in unavoidable case, not less than 135-	Mar 15 2022	On 05/07/2022: 1 N Corrected.	Month C	Corrected
Follow Up Inspection	76	New Finding: Cables are hanging without proper support or laid on tray without protection. Cable tray is overloaded with excessive cables.	degree bending Cable tray/ladder must be used to support cables at anywhere to keep cable out of tension. We already ensured prope support & protection. In the cases we repla tension.	ew ced	On 05/07/2022: 1 Not Corrected. Found significant progress. Only transformer cable is not well dressed.		ending erification
Follow Up Inspection	77	excessive cables. New Finding: Cables are laid on floor inside cable trench haphazardly.	Cables inside Corrected cable trench have to be guided and routed properly. A cable tray shall be installed in the trench to ensure	Mar 15 2022		Month C	Corrected
Follow Up Inspection	78	New Finding: Multiple cables (came from different electrical consumers) terminated at BBT terminal.	Each electrical Corrected	Mar 15 2022	On 05/07/2022: 1 N Corrected.	Month C	Corrected

Follow Up Inspection	79	New Finding: 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.	Corrected	Mar 15 2022	On 05/07/2022: Corrected.	1 Month	Corrected
Follow Up Inspection	80	New Finding: Indicator lamps and metering devices (Ammeter, Voltmeter) installed on panel board are not operational.	All indicator lamps and metering devices installed on panel board shall be operational. Otherwise, it may	and metering devices (Ammeter, Voltmeter) installed on panel	Mar 15 2022	On 05/07/2022: Not Corrected. Few indicators are not working in LT panel.	1 Month	Pending Verification
Follow Up Inspection	81	New Finding: Distribution Board's top/bottom is left open (typical issue)	Each electrical	Each electrical distribution board/panel are	Aug 15 2022	On 05/07/2022: New Finding	1 Month	Pending Verification
Follow Up Inspection	82	New Finding: 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.	We used cover on cable trench around the transformer and made the height even.	Aug 15 2022	On 05/07/2022: New Finding	1 Month	Pending Verification