

## ELECTRICAL SAFETY FOLLOW UP INSPECTION REPORT (3<sup>RD</sup>)

Factory Name	KM Nobely Garments Ltd					Note:
Address	Zorun, Konabari Gazipur-1702					
FACTORY ID	23244	ELECTRICAL SAFETY INSPECTION DATES				<b>Other Factory:</b> ----- KM Nobely Garments Ltd (Extension Building) ID-24389 ----- -----
Initial Inspection Date	21 Dec 2020					
Report Received Date	19-Jan-2020					
Date of 1 <sup>st</sup> Follow Up	16-May-2022					
Date of 2 <sup>nd</sup> Follow Up	10-Sep-2023					
Date of 3 <sup>rd</sup> Follow Up	18-Mar-2024					
Inspected by		Mohammed Rakibul Hasan				

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	Field information has no/less reflection in existing SLD.	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. All power cables shall be identified according to reviewed SLD.	2 Months	On 11/05/2022: Proper identification (by using cable marker, tag, colored heat shrink) shall be done on major power cables (including neutral & earthing) used in the system according to SLD. Not Corrected. On 10/09/2023: Corrected.	18-Mar-2021	We have provided power cable and neutral, earthing cable identification cable marker according to SLD. It has been corrected.	Corrected	
2	Lightning Protection System (LPS) is not installed where the risk index exceeds 40 (According to BNBC)	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 11/05/2022: Air terminals, run conductor missing & 150/50 mesh isn't maintained. The drawing needs modification too Not Corrected. On 10/09/2023: Corrected.	18-Mar-2021	We have completed all LPS installation work as per design and drawing. So it has been corrected.	Corrected	

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3	<p>Safety program is initiated but has no training module was found in the factory.</p> <p>No LOTO (Lock-Out-Tag-Out) policy is introduced for safety of the personnel during any kind of maintenance work.</p>	<p>Electrical safety training and awareness program for the electrical personal and workers must be conducted and recorded.</p> <p>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.</p>	1 Month	<p>On 11/05/2022: Poor documentation Not Corrected.</p> <p>On 10/09/2023: Corrected.</p>	18-Feb-2021	<p>We have updated Electrical safety training manual, We also have developed LOTO policy and device and introduced to all of the personnels, and maintain properly during any maintenance period for ensure safety. It has been corrected.</p>	Corrected	
4	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	On 11/05/2022: Corrected.	18-Mar-2021	<p>We have increased working space (1.07m) around the transformer. the work has been completed dated 25.02.2021.</p>	Corrected	
5	Floor around control panel is wet. (Typical shock hazard)	<p>A dry platform shall be in front of panel for maintenance purpose.</p> <p>Panel access shall be restricted to qualified people with proper equipment (e.g. rubber boot)</p>	2 Months	On 11/05/2022: Corrected.	18-Mar-2021	<p>We already resolved it. and we have been restricted panel access only for the qualified people with proper equipment. the work has been completed dated 18.02.2021.</p>	Corrected	

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6	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.	2 Months	On 11/05/2022: Maintenance movement is an obstacle due to improper cable trench cover & panel operation is hampered too. Not Corrected. On 10/09/2023: Corrected. On 10/09/2023: Corrected. Panels have been replaced and cable trench has been removed to rectify this issue.	18-Mar-2021	We have removed obstacle from panel board .Now easy operation in panel board . It has been corrected on 02-06-2022	Corrected	
7	New Finding: Tap-off box has openings  Panel has unwanted openings.	Unwanted openings shall be sealed	1 Month	On 10/09/2023: Corrected.	25-Jun-2022	Already we have Sealed all Tap-off-box and panel . So it has been corrected	Corrected	
8	New Finding: Unterminated live wire is kept inside the electrical panel/cable tray.  Multiple cables (came from different electrical consumers) terminated at MCCB terminals/ Busbar.	All the unterminated live power cables must be removed as soon as possible. Each electrical circuit must be terminated at single MCB/MCCB terminals. Splicing in the power cables shall be avoided; in unavoidable cases splicing, must be made following proper guidance. Faulty cable shall be replaced quickly.	1 Month	On 10/09/2023: Corrected. No unterminated live wire, multiple cables, splicing and cable insulation damaged has been observed.	25-Jun-2022	We have provided compliant wiring system inside the electrical panel. Multiple cables, splicing joint has removed and the faulty wire has been replaced.. It has been corrected.	Corrected	

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9	New Finding: Cable duct/channels are filled with fluffs (Lint/dust).  Cable channel/duct terminals are left open for ingress of lint, dust or fluffs.	Cable channels/ducts must be kept neat and clean; these must be sealed properly thus no scope of ingress of fluffs.	1 Month	On 10/09/2023: Corrected.	25-Jun-2022	We are provide cover in cable channels & proper sealed the duct. Duct are also cleaning parodically. It has been corrected.	Corrected	
10	New Finding: No mechanical guards are provided for electrical equipment where necessary.	Provide mechanical guards for electrical equipment where necessary.	1 Month	On 10/09/2023: Corrected.	25-Jun-2022	We are Provide mechanical guards for electrical equipment where necessary.. It has been corrected.	Corrected	
11	New Finding: Cable termination at the motor terminal box is directly connected to terminals without proper gland.  Motor/Pumps are not earthed properly.	All equipment termination must be done with proper termination including cable glands to avoid ingress of moisture and dust entering the terminals.  Ensure earthing connection for all motor/pumps coil and body.	1 Month	On 10/09/2023: Corrected.	25-Jun-2022	We have provided proper cable gland in the motor terminal Box. We have installed earthing system in pump and motor . It has been Corrected.	Corrected	

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12	New Finding: Lighting circuits and sockets are not separated in the electrical system  The power socket has no ECC connection	Lighting circuits and sockets shall be installed separately (shall have no interconnections)  ECC connection shall be provided to each power socket	1 Month	On 10/09/2023: Corrected.	25-Jun-2022	We also have separated between light circuit and sockets also connected the ECC. It has been corrected.	Corrected	
13	New Finding: Electrical panel is not securely fixed.  Inadequate rubber (insulation) mat at the working area of distribution board/panel.	Panel must be securely fixed to the foundation with appropriate nut bolts.  Electrical insulation (not less than 3 mm thick in case of rubber mat) at the working area of each electrical installation (Transformer/LT panel/MDB/DB/SDB/ other manual operated machineries) must be ensured.	1 Month	On 10/09/2023: Corrected.	25-Jun-2022	We have fixed all electrical panel Board by royal bolt and also provided rubber Mat 5mm thickness in all electrical panel board . It has been corrected.	Corrected	
14	New Finding: Hot spots have been observed at some points. (above 30°C of ambient)	Hot spots must be eliminated from entire electrical system.	1 Month	On 10/09/2023: Corrected.	25-Jun-2022	We have worked in this issue. Remove Hot Spots Point and Thermography Scan on 18 June 2022. it has been completed.	Corrected	