

Electrical On site Summary Report of PCCVV									
Name of the Factory:		Modern Needle Craft Ltd			Date:	4-June-20			
Factory Address:		B-52, BSCIC Industrial Area, Tongi Gazipur, Bangladesh.			FFC ID:	11352			
Arrival Time:		9:00 AM		Departure Time:		5:00PM			
Building Information				Building Ownership: Owned					
Initial Inspection Date: March 07, 2018 for electrical									
Sl.	Building Name	Area (sft)	Building Height (ft)	Height upto Highest occupied floor roof (ft)	Building Construction Type	Building Level	Construction History	Remarks	
1	Main Production Building	6,990 SF	17Ft 1 Inch	14 Ft 3 Inch	Steel	Single story	Year 2010-2011	Covered in Initial Assessment	
2	Admin Building	2,267 SF	24Ft 8 Inch	24Ft 1 Inch	Steel	2 story	Year 2014	Covered in Initial Assessment	
3	Generator Room.	161 SF	15 FT	13Ft 8 Inch	Steel	Single story	Year 2014	Covered in Initial Assessment	
Electrical Remediation:									
23 nos. NCs are completed out of 23 NCs as per initial inspection.									
Observations:									
1. Distribution board (MDB 02_Main production building) not have a minimum clearance of 1 m (29 inch found practically) in front. As per NTPA Art.4.8.2, BNBC 2006, Art. 2.11.5.1, Art. 2.7.5.4 (c)									
2. Maintenance clearance around transformer and Generator below 42 inch									
Thermographic Scan									
Category 2		0		Category 3		0		Remarks (if any)	
No of High priority NCs:		0		No of Medium priority NCs:		13		Open High priority NCs:	
No of Medium priority NCs:		13		No of Low priority NCs:		2		Open Medium priority NCs:	
No of Low priority NCs:		2						Open Low priority NCs:	
								0	
								0	
								0	
Electrical Remediation Progress:									
Overall Remediation Progress Based on PCCVV									
Overall Progress 100%		Total NCs		Completed		In-progress		Not Started	
		23		23		0		0	
Remediation Progress Vs Time Elapsed									
Date of CAP In- person Meeting		22-May-18		Date of PCCVV		4-Jun-20		Progress In PCCVV	
								100%	
								26.27 Months	



Hassan Tariq
Deputy General Manager
Admin, HR & Compliance
Modern Needlecraft Ltd.



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Statement of Electrical Design/ Drawing submittal				
Particulars	Status	Date of submission/return/Approved/Completed		Remarks
SLD	Reviewed by QAF (Uttoran Technologies)	5-May-20		Reviewed with no major observation
LPS	Reviewed by QAF (Uttoran Technologies)	5-May-20		Reviewed with no major observation
Statement of High Priority NCs				
Particulars	High Priority NCs (as per CAP)	Open High priority NCs	Closed High priority NCs	Overall high priority NCs Remediation progress (in %)
Electrical	8	0	8	100%
Statement of Medium Priority NCs				
Particulars	Medium Priority NCs (as per CAP)	Open Medium priority NCs	Closed Medium priority NCs	Overall Medium priority NCs Remediation progress (in %)
Electrical	13	0	13	100%
Statement of low Priority NCs				
Particulars	low NCs (as per CAP)	Open low priority NCs	Closed low priority NCs	Overall low priority NCs Remediation progress (in %)
Electrical	2	0	2	100%
FACTORY REPRESENTATIVE: I hereby declare that the above mentioned information's are correct. On behalf of factory management, I have agreed to ensure all above recommendations properly in future.				ELECTRICAL ASSESSOR
Signature				Signature
Name & Position	Hassan Tariq, DEM			Md. Mahadi Hasan (Electrical Safety Engineer)
Date	4-Jun-20			4-Jun-20



Hassan Tariq
Deputy General Manager
Admin, HR & Compliance
Modern Needlecraft Ltd.



H. Tariq
Deputy General Manager
Admin. HR & Compliance
Modern Needlecraft Ltd.

Pre CAP Closing Verification Visit Report - Electrical Safety

Factory Information:

Name:	Modern Needle Craft Ltd.
Factory address:	Rs52, TSCIC Industrial Area, Tongi Gazipur, Bangladesh.
PCCVV	Thursday, June 4, 2020

Safety Monitoring Inspection (Action Needed) Checklist

Sl	Question	Description	Individual Reference	NCS Priority Level	PCCVV Status	Comments
1	Are as-built electrical drawings indicating information such as panel and circuit locations throughout the building(s) available for review?	Electrical diagram of a main distribution circuit and floor level circuits connecting electrical loads (machines/ lights/ cooling systems etc.) were available at factory, however do not correspond to the existing installation.	NTPA Art. 4.4.9, BNBC 2006 Art. 2.5.3, BS 7671:2008 Art. 514.9.1	High	Completed	Reviewed by GAF (Uttaran Technologies) dated on 5/5/2020 Reviewed with no major observations.
2	Is a periodical Insulation Resistance Measurement Program established and recorded?	Periodical Insulation Resistance Measurement Program has been established and recorded however is incomplete as it does not have all the required information.	NTPA Art. 4.16.4, BNBC 2006 Art. 2.11.2, NFPA 70 B (Edition 2006) Table L.1	Medium	Completed	
3	Are records concerning the testing and inspection of the electrical systems maintained on site and up to date?	Periodic inspections and testing of the electrical system have not been maintained and documented.	NTPA Art. 4.16.1.4.16.2, BNBC 2006 (Art. 2.11.1.1, 2.11.1.2)	Medium	Completed	
4	All equipment is efficiently earthed and properly connected to the required number of earth electrodes.	Inefficient earthing present for some electrical equipment, i.e., lower earthing cable size as per phase cable.	NTPA Art. 4.16.7.1, BNBC 2006, Art. 2.11.5.1	High	Completed	
5	Are meters and other electrical devices (Ammeter, Voltmeter, PFI Auto Controller, etc.) installed on the main electrical equipment operational?	Electrical devices installed on all main electrical equipment is not operating properly.	NFPA 70 (Edition 2011), Art. 225.56 (ADS), BNBC 2006 Art. 2.11.5.2, NTPA Art. 4.16.7.2	Low	Completed	
6	Are all internal components of switchboards and/or distribution boards properly concealed (No missing Circuit breaker or knockout covers)?	Internal components of some switchboards and distribution boards were not properly concealed.	NTPA Art. 4.4.11.1.4.16.7.1, BNBC 2006, Art. 2.11.5.1, Art. 2.5.5.1, NFPA 70 (Edition 2011), Art. 408.50	Medium	Completed	
7	Are all switchboards and/or distribution boards properly grounded (earthed)?	Earthing connection was not provided for all panels.	NTPA Art. 4.11, BNBC 2006, Art. 2.8.1	Medium	Completed	
8	Do switchboards and/or distribution boards have clear identification markings?	Distribution boards do not have permanent identification markings.	BNBC 2006 Part B Section 2.11.5.4, NFPA 70 (Edition 2011) Art. 408.58	Medium	Completed	
9	Do switchboards and/or distribution boards have capacity information labels?	Temporary capacity information labels provided for distribution boards.	NFPA 70 (Edition 2011) Art. 408.40B, 408.58, 408.58	Medium	Completed	
10	Are lighting and receptacle (socket) circuits segregated?	Lighting and socket circuits were not segregated i.e. both powers taken by a circuit breaker from the panel boards.	NTPA Art. 4.4.9, BNBC 2006, Art. 2.5.3.3	Medium	Completed	
11	Are electrical wiring/cables properly identified?	All electrical cables were not properly identified i.e. which loads/equipment were connected with the circuits in the distribution boards.	BS 7671:2008, Art. 514.5	Medium	Completed	
12	Is electrical wiring/cables sized according to capacity of circuit breakers (No higher rated circuit breakers with lower rated wiring)?	Electrical wiring/cables were not sized according to capacity of circuit breakers.	NTPA Art. 4.4.1, BNBC 2006, Art. 2.5.2.1	High	Completed	
13	All metal in the building is connected to the building earthing/grounding system such as metal rebar in concrete, metal frame of building, or metal water pipe.	Metals in the building were not connected to the building earthing system.	NTPA Art. 4.8.1.4.12.3, BNBC 2006 Art. 2.9.3.9, NFPA 70 (Edition 2011), Art. 110.54 (A)	High	Completed	
14	Stranded conductors having a nominal cross-sectional area 6mm ² or greater are provided with cable sockets. Conductors below 6 mm ² without cable sockets, all strands at the exposed ends are soldered together or are crimped using suitable sleeves or ferrules.	Some panel strand conductors cross-section 6mm ² were not provided with cable sockets and exposed ends of stranded conductors below 6mm ² were not soldered.	NFPA 70 (2011 edition): 110.14 (A), BNBC 2006, Art. 2.5.4.3	Medium	Completed	
15	Are earthing connections provided at electrical equipment?	Earthing connection not provided for all equipment.	NTPA Art. 4.11, BNBC 2006 Art. 2.8.1	High	Completed	
16	Electrical wiring and conduit is properly supported.	Electrical wiring and conduit was not properly supported.	Bangladesh Electricity Rules 1937, Clause 57	Medium	Completed	
17	The substation room is clean and free from dirt, lint, water, oil, and debris.	The substation room was not clean and free of dirt, lint, water, oil, and other debris.	NTPA Art. 3.7.14	Medium	Completed	



Hassan Tariq

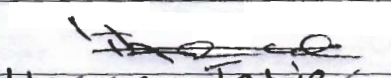
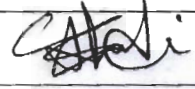
Hassan Tariq
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[Signature]



19	The substation room has the required fire rating/protection and is physically separated from the remainder of the building.	The Substation Room is not provided with fire protection and is attached to the Production Building and not separated by fire rated construction or distance.	BNBC 2006 Part 3 Table 3.2.1	High	Completed	
20	Are inspection, maintenance, and testing procedures of the emergency generator being completed and documented?	Inspection procedure of the diesel generator provided, however, maintenance and testing procedures were not.	NFPA 110 (Edition 2005) Chapter 8	Low	Completed	
21	Are emergency power switchboards, distribution boards, and circuits properly identified?	Emergency power equipment at various locations were not properly identified.	NFPA 70 (Edition 2011) Art. 700.10 (A)	High	Completed	
22	Is a lightning protection system installed on the building?	Lightning protection system was not installed on the factory building.	NTPA Art. 4.12, BNBC 2006 Art. 2.9, NFPA 780 (Edition 2008)	High	Completed	Reviewed by QAF (Uttaran Technologies) dated on 5/5, 2020 Reviewed with no major observation.
23	Are there additional areas of non-compliance to report?	Silica-gel of the transformer breather is pink in the substation room.	Not Applicable	Medium	Completed	

ACKNOWLEDGED:
 FACTORY REPRESENTATIVE: _____ ELECTRICAL ASSESSOR: _____
 I hereby declare that the above mentioned information's are correct. On behalf of factory management, I have agreed to ensure all above recommendations properly in future.

Signature		Signature	
Name & Position	Hassan Taviz DGM (AHC & OPS)	Name & Position	Md. Mahadi Hossain (Electrical Safety Engineer)
Date	4-Jun-20	Date	6/4/2020

