

### গণপ্রজাতন্ত্রী বাংলাদেশ সরকার শ্রম ও কর্মসংস্থান মন্ত্রণালয়

শ্রম ও কর্মসংস্থান মন্ত্রণালয় কলকারখানা ও প্রতিষ্ঠান পরিদর্শন অধিদপ্তর

"সুস্থ শ্রমিক, শোতন কর্মপরিবেশ; াড়ে জুলবে স্মার্ট বাংলাদেশ"

# ক্যাপ পর্ববেষ্ফণের তখ্য

কারখানার নাম	মেসার্স কাট এন সিউ লিঃ
ঠিকানা	A. M. Plaza (10Th Floor), 76, DIT Road
কারখানার কোড	DHK145
কালার কোড	

মূল্যায়নের ধরণ: বৈঘুতিক মূল্যায়ন	পর্যবেষ্ডণের তারিখ: ০৫–০৪–২০২৩
১. পর্যবেষ্কণ	

পরিদর্শন পর্ববেষ্ক্রণ	☐ Access to substation not easy ☐ Ventilation and illumination of substation is poor ☐ Separating wall not extended up to the ceiling ☐ No SLD/clear identification mark on distribution panel ☐ No instruction for first aid to electrical shock and artificial respiration ☐ Non-conductor mat not provided/ insufficient ☐ Improper earthing ☐ Loose or temporary cabling/connection without lug/uncovered cable trench ☐ lint/dirt in substation
ক্যাপ	
আইটেম ক্যাটাগরি	
111-1017	

#### ১.১. কাৰ্যক্ৰম $\sqcup$ Produce design drawings to demonstrate the incorporation of fire rated enclosure from floor to কাৰ্যক্ৰম ceiling and an approved fire rated self-closing swing door for the Substation room. [I Ensure earthing of panel body & door with fitted condition. Provide clear identification mark on distribution panel. সুপারিশের <u>ভূখ্যসূত্র</u> কারখানার It has been implemented. কাৰ্যক্ৰম **অগ্রাধিকার** ৬ সপ্তাহ চডান্ড সময়সীমা |সংশোধিত 02-02-2290 সময়সীমা অগ্রগতির চলমাল অবস্থা 24-07-2018: 1. They have contacted with BD technology for fire separation design and waiting for the enlisted farm to submit in DIFE. 2. Door and panel board earthing are not found in some panel boards. 3. Clear Identification are labelled on the panel boards yet. 23-10-2018: Same as above observation. 17-04-2019: Same as above observation. 18-12-2019: 1. Design drawings found for enclosure and designs were not approved yet by DIFE. 2. Panel doors were earthed but the earthing of the distribution boards were done properly with fitted condition. 3. Clear identification were found for every distribution boards. 19-08-2020: Same as above. 09-11-2020: 1. Design drawings found for enclosure and designs were not approved yet by DIFE. 2. Panel doors were earthed & the earthing of the distribution boards were done properly with fitted condition. 3. Clear identification were found for every distribution boards. 09-02-2021 Visit Observation: 1. Design drawings found for enclosure and designs were not approved yet by DIFE. 2. Panel doors were earthed & the earthing of the distribution boards were done properly with fitted condition. 3. Clear identification were found for every distribution boards. 09-05-2021 Visit Observation : 1. Design drawings found for enclosure and designs were not approved yet by DIFE. 2. Panel doors were earthed & the earthing of the distribution boards were done properly with fitted condition. 3. Clear identification were found for every distribution boards. 09-05-2021 Visit Observation: 1. Design drawings found for enclosure and designs were not approved yet by DIFE. 2. Panel doors were earthed & the earthing of the distribution boards were done properly with fitted condition. 3. Clear identification were found for every distribution boards. 10/08/2021: Factory has produced design drawings but মন্তব্য not approved by DIFE yet. Fire rated self closing swing door is not provided for substation room. Panel body is earthed but door is not earthed. Clear identification mark is not provided on panel in substation room. Access to substation is not easy. The substation room is under the building owner's supervision. Ventilation and illumination of substation room is not adequate. Instruction for first aid to electrical shock and artificial respiration is provided. Rubber mat is not provided in front of LT panel. Cables are connected properly with cable lugs. Lint/dirt found inside LT panel. substation room is found to clean. 01-08-2022 Visit Observation : 1. Design & Drawing have been found but not approved by DIFE. 2. Fire rated self closing swing door is not provided for substation room. 3. Panel body & panel door were earthed. 4. Clear identification mark is not provided on every panel board. 5. Access to substation room is not easy. 6. Ventilation and illumination of substation room is inadequate. 7. Instruction for first aid to electrical shock and artificial respiration was not found for every panel board. 8. Rubber mat is not provided in front of LT panel. 9. Cables are not connected properly with cable lugs. 10. Lint/dust found inside LT panel & substation room. 05.04.2023: 1. Design & Drawing have been found but not approved by DIFE. 2. Fire rated self closing swing door is not provided for substation room. 3. Panel body & panel door were earthed. 4. Clear identification mark is not provided on every panel board. 5. Access to substation room is not easy. 6. Ventilation and illumination of substation room is inadequate. 7.Instruction for first aid to electrical shock and artificial respiration was not found for every panel board. 8. Rubber mat is not provided in front of LT panel. 9.Cables are not connected properly with cable lugs. 10.Lint/dust found inside LT panel & substation room. সংযুক্তিসমূহ (৬) × × × × × ×

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১. কাৰ্যক্ৰ	
১. কাশক	
	<u>1</u>
	Provide fire rated enclosure from floor to ceiling and an approved fire rated self-
কাৰ্যক্ৰম	closing swing door for the Substation room.   Install appropriate detectors
মুপারিশের	
<u>ভখ্যসূত্র</u>	
	They have taken some action and they have agreed to complete within the
কাৰ্যক্ৰম অক্ৰম্	timeline.
<u> অগ্রাখিকার</u>	
হূড়ান্ত সময়সীমা	25-00-2059
সংশোধিত সময়সীমা	02-07-2940
শগ্রগতির শবস্থা	চলমাল
<b>নন্ত</b> ব্য	24–07–2018: 1. Openings were not concealed for wire ducts. Need to use fire damper and self closing fire rated door were not found. 2. Alarm detection design have been submitted to DIFE and waiting for approval. 23–10–2018: Same as above observation. 17–04–2019: Same as above observation. 18–12–2019: 1. Fire rated enclosures were not used to conceal the openings and no fire rated swing doors used. 2. No appropriate detectors found. They have submitted drawing for fire detector system to DIFE and waiting for approval. 19–08–2020: Same as above. 09–11–2020: 1. Fire rated enclosures were used to conceal the openings and fire rated swing doors used. 2. Appropriate detectors found. They have submitted drawing for fire detector system to DIFE and waiting for approval. 09–02–2021 Visit Observation: 1. Fire rated enclosures were used to conceal the openings and fire rated swing doors used. 2. Appropriate detectors found. They have submitted drawing for fire detector system to DIFE and waiting for approval. 09–05–2021 Visit Observation: 1. Fire rated enclosures were used to conceal the openings and fire rated swing doors used. 2. Appropriate detectors found. They have submitted drawing for fire detector system to DIFE and waiting for approval. 10/08/2021: Fire rated enclosure is provided for substation room but fire door is not provided. Appropriate detectors have not been installed. 01–08–2022 Visit

পরিদর্শন পর্ববেষ্কণ

Access to substation not easy | Ventilation and illumination of substation is poor | Separating wall not extended up to the ceiling | No SLD/clear identification mark on distribution panel | No instruction for first aid to electrical shock and artificial respiration | Non-conductor mat not provided/ insufficient | Improper earthing | Loose or temporary cabling/connection without lug/uncovered cable trench | lint/dirt in substation

ক্যাপ আইটেম ক্যাটাগরি

#### ৩.১. কাৰ্যক্ৰম

	ম
চার্যক্রম	Keep the substation clean Provide instructions for first aid and artificial respiration from exposure to electrical shock. Provide cover on the cable trench and rubber mat in front of the panel Ensure well-dressed cabling with lugs
মুপারিশের ছখ্যসূত্র	
চারখানার চার্বক্রম	They have taken some action and they have agreed to complete within the timeline.
	প্রযোগ্য নয়
্ডান্ড ামশ্রসীমা	o & − % o − ≤ o % Ø
াংশোধিত ামশ্রসীমা	07-07-7940
মগ্রগতির মবস্থা	চলমাল
মং <b>শু</b> ক্তি	24-07-2018: 1. Substation have been found clean. 2. First aid and electric shock recuperation instruction were not provided at required areas. 3. Cable trenches were not covered properly in substation room. 4. Rubber mat needs to be provided in required places. 23-10-2018: Same as above observation. 17-04-2019: Same as above observation. 18-12-2019: 1. Substation was found clean. 2. First aid and electric shock recuperation instruction were not provided near some distribution boards. 3. Cable trenches were found to be covered and proper rubber mats were found in front of the panel boards. 4. Cables were not found to be well dressed in some panel boards and proper cable lugs were not used for termination in MCB. 19-08-2020: Same as above. 09-11-2020 1. Substation was found clean. 2. First aid and electric shock recuperation instruction were provided near some distribution boards. 3. Cable trenches were found to be covered and proper rubber mats were found in front of the panel boards. 4. Cables were found to be well dressed in some panel boards and proper cable lugs were used for termination in MCB. 09-02-2021 Visit Observation: 1. Substation was found clean. 2. First aid and electric shock recuperation instruction were provided near some distribution boards. 3. Cable trenches were found to be covered and proper rubber mats were found in front of the panel boards. 4. Cables were found to be well dressed in panel boards and proper cable lugs were used for termination in MCB. 09-05-2021 Visit Observation: 1. Substation was found clean. 2. First aid and electric shock recuperation instruction were provided near some distribution boards. 3. Cable trenches were found to be covered and proper rubber mats were found to be well dressed in panel boards and proper cable lugs were used for termination in MCB. 10/08/2021: Substation room is found to be clean. Instruction for first aid and artificial respiration was not found for every panel board. 3. Rubber mat is not provided in front of the LT panel. 4. Well dressed cabli

৪. পর্শবেষ্ণ	<del>1</del>
পরিদর্শন	No instruction for first aid to electrical shock Access obstructed/barred Connections without lug Body & door not earthed No SLD/clear identification mark for distribution board MDB/SDB/SB or MCB installed on the wooden board Live parts of machine or equipment exposed Motor frame not earthed
ক্যাপ আইটেম ক্যাটাগরি	
৪.১. কার্ব	1000
0.0. 41	
কাৰ্যক্ৰম	noninflammable board. Provide earthing to motor frames.
সুপারিণ তখ্যসূত্র কারখান	i and
কাৰ্যক্ৰম	They have taken some action and they have agreed to complete within the timeline.
	<b>গাৰ</b> ৬ মগ্ৰাহ
চুড়ান্ত সময়সী	भा <sup>०२–ऽऽ–२०ऽ</sup> ७
সংশোশি সময়সী	প্ৰিত্ত তিন্তু কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব
অগ্রগতি অবস্কা	চলমাল
মন্তব্য	24–07–2018: 1. Duplicate Earth leads are not found in MDB. 2. Some door panels are not earthed yet. 3. No burning sign found inside distribution boards. 4. They consulted BD technology to submit SLD in DIFE. 5. Identification of distribution boards are not found in some MDB/DB/SDB. 23–10–2018: Same as above observation. 17–04–2019: Same as above observation. 18–12–2019: 1. Duplicate earth leads were not used for MDB. 2. Panel boards were earthed properly and panel door earthing were found in some distribution boards. 3 No burning sign found inside the distribution boards. 4. Clear identification of panel boards were not found in the distribution boards. 5. MDB/SDB/SB/MCCB were found to e installed on non-flammable boards. 6. Motor frames were found to be earthed. 19–08–2020: Same as above. 09–11–2020: 1. Duplicate earth leads were used for MDB. 2. Panel boards were earthed properly and panel door earthing were found in distribution boards. 3 No burning sign found inside the distribution boards. 4. Clear identification of panel boards were found in the distribution boards. 5. MDB/SDB/SB/MCCB were found to e installed on non-flammable boards. 6. Motor frames were found to be earthed. 09–02–2021 Visit Observation: 1. Duplicate earth leads were used for MDB. 2. Panel boards were earthed properly and panel door earthing were found in distribution boards. 4. Clear identification of panel boards were found in the distribution boards. 5. MDB/SDB/SB/MCCB were found to e installed on non-flammable boards. 6. Motor frames were found to be earthed. 09–05–2021 Visit Observation: 1. Duplicate earth leads were used for MDB. 2. Panel boards were found in indistribution boards. 5. MDB/SDB/SB/MCCB were found in the distribution boards. 4. Clear identification of panel boards were found in indistribution boards. 5. MDB/SDB/SB/MCCB were found to be earthed. 09–05–2021 Visit Observation: 1. Duplicate earth leads were used for MDB. 2. Panel boards were found to be earthed. 10/08/2021: Duplicate earth leads are provided for MDB. Eart
সংযু <u>্</u>	জিসমূহ (৬) < 💌 🗷 🗷

১. পর্ববেষ্ণ	f
পরিদর্শন পর্শবেষ্ষণ	No instruction for first aid to electrical shock Access obstructed/barred Connections without lug Body & door not earthed No SLD/clear identification mark for distribution board MDB/SDB/SB or MCB installed on the wooden board Live parts of machine or equipment exposed Motor frame not earthed
ক্যাপ আইটেম ক্যাটাগরি	
৫.১. কার্য	জম
কাৰ্শক্ৰম	exposed live parts.
সুপারিণ তখ্যসূত্র	•
কার্থান কার্যক্রম	It has been implemented.
I -	প্রব্যোগ্য নয়
চুডান্ড   সমশ্রসী	ai  -
সংশোধি সময়সী	
অগ্রগতি অবস্থা	
মন্তব্য	24-07-2018: 1. First aid and electric shock recuperation instruction were not provided at required area. 2. Cables are not well dressed in some panel boards. 3. Live part are not covered properly in some machine. 4. Motor frame are earthed but dedicated earthing for each circuit breaker is required. 23-10-2018: Same as above observation. 17-04-2019: Same as above observation. 18-12-2019: 1. First aid electric shock recuperation were found near some distribution boards. 2. Clearance for distribution boards and MCB box were not found. Needs minimum Im clearance around according to NTPa guideline.  3. Cables were not found to be well dressed in some panel boards and proper cable lugs were not used for termination in MCB. 4. MCB box were found to be without cover. 19-08-2020: 1. Same as above. 2. Clearance for distribution boards and MCB box were found. 3. Same as above. 4. MCB box were not found to be without cover. 09-11-2020: 1. First aid electric shock recuperation were found near some distribution boards. 2. Clearance for distribution boards and MCB box were found to be well dressed in some panel boards and proper cable lugs were used for termination in MCB. 4. MCB box were not found to be without cover. 09-05-2021 Visit Observation: 1. First aid electric shock recuperation were found near some distribution boards. 2. Clearance for distribution boards and MCB box were found. 3. Cables were found to be well dressed in some panel boards and proper cable lugs were used for termination in MCB. 4. MCB box were not found to be without cover. 09-02-2021 Visit Observation: 1. First aid electric shock recuperation were found near some distribution boards. 2. Clearance for distribution boards and proper cable lugs were used for termination in MCB. 4. MCB box were not found to be without cover. 10-08-2021 Visit Observation: 1. Instruction for first aid to electrical shock has been ensured. Well dressed cabling with lugs has been ensured inside all the distribution boards. 2. Access to MDB/MCB box has been ensured. 3. We
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৬. পর্ববেষ্কণ		
পরিদর্শন পর্ববেষ্কণ	Connections without lug [] Undressed messy wiring/cables	
ক্যাপ আইটেম ক্যাটাগরি		
17/01/11/1		
৬.১. কাৰ্যক্ৰ	স	
কাৰ্যক্ৰম	Ensure secured connections with lug   Replace undressed messy wiring/cables	]
সুপারিশের তথ্যসূত্র		
কারখানার   কার্যক্রম	It has been implemented.	
<u>অগ্রা</u> খিকার	৬ সপ্তাহ	
চুড়ান্ড সমশ্রসীমা	_	
সংশোধিত সময়সীমা	02-07-7940	
অগ্রগতির অবস্থা	সংশোধিত	
	24–07–2018: 1. Some cables are found connected without any lugs and shoes and are not crimped or soldered properly according to NTPA section 4.4.10.3. 2. Messy wirings are found in some panel boards. 23–10–2018: Same as above observation. 17–04–2019: Same as above observation. 18–12–2019: 1. Some cables were properly terminated with properly lugs for MCB's. 2. Messy wiring needs to well dressed and clipped properly to avoid any future hazards from occurring. 19–08–2020: 1. Some cables were properly terminated with properly lugs for MCB's. 2. Messy wiring needs to well dressed and clipped properly to avoid any future hazards from occurring. 09–11–2020: 1. Cables were properly terminated with	
মন্তব্য	properly lugs for MCB's. 2. Well dressed wiring found and clipped properly to avoid any future hazards from occurring. 09–05–2021 Visit Observation : 1. Cables were	

properly terminated with properly lugs for MCB's. 2. Well dressed wiring found and clipped properly to avoid any future hazards from occurring. 09–02–2021 Visit Observation: 1. Cables were properly terminated with properly lugs for MCB's. 2. Well dressed wiring found and clipped properly to avoid any future hazards from occurring. 10/08/2021: Secured connections have been ensured with cable lugs.

Undressed wirings are replaced. 01–08–2022 Visit Observation : Secured connections have been ensured. 05.04.2023: Secured connections have been

সংযুক্তিসমূহ (२)

ensured.

পরিদর্শন পর্শবেষ্ফণ	Lightning protection system not available Air terminals absent
ক্যাপ	
আহডেম ক্যাটাগরি	

### ৭.১. কাৰ্যক্ৰম

1.6. TIPT	
কাৰ্যক্ৰম	Provide appropriate Lightning protection system. Provide air terminals
সুপারিশের তখ্যসূত্র	
কার্থানার কার্যক্রম	Not taken any action yet but they have agreed to complete within timeline.
<u>অগ্রা</u> ধিকার	প্রযোগ্য নয়
চুডান্ত সমশ্বসীমা	₹%-0@-₹0%9
সংশোধিত সময়সীমা	07-07-7940
অগ্রগতির অবস্থা	চলমান
মন্তব্য	24–07–2018: No lightning protection design found in the factory and they have contacted the enlisted farm. 23–10–2018: Same as above observation. 17–04–2019: Same as above observation. 18–12–2019: They have contacted with enlisted farm and submitted the design and waiting for approval from DIFE before initiating installation according to design. 19–08–2020: Same as above. 09–11–2020: They have contacted with enlisted farm and submitted the design and waiting for approval from DIFE before initiating installation according to design. 09–02–2021 Visit Observation: They have contacted with enlisted farm and submitted the design and waiting for approval from DIFE before initiating installation according to design. 09–05–2021 Visit Observation: They have contacted with enlisted farm and submitted the design and waiting for approval from DIFE before initiating installation according to design. 10/08/2021: Factory has not installed LPS yet but they have submitted the design to DIFE for approval. 01–08–2022 Visit Observation: Factory has not installed LPS yet but they have submitted the design to DIFE for approval. 05.04.2023: Factory has not installed LPS yet but they have submitted the design to DIFE for approval.