



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
শ্রম ও কর্মসংস্থান মন্ত্রণালয়
কলকারখানা ও প্রতিষ্ঠান পরিদর্শন অধিদপ্তর

"সুস্থ শ্রমিক, শোভন কর্মপরিবেশ;
গড়ে তুলবে স্মার্ট বাংলাদেশ"

ক্যাপ পর্যবেক্ষণের তথ্য

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

মূল্যায়নের ধরণ: বৈদ্যুতিক মূল্যায়ন	পর্যবেক্ষণের তারিখ: ০৫-০৪-২০২৩
১. পর্যবেক্ষণ	

পরিদর্শন পর্যবেক্ষণ	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
কাপ আইটেম ক্যাটাগরি	

১.১. কার্যক্রম

কার্যক্রম	Produce design drawings to demonstrate the incorporation of fire rated enclosure from floor to ceiling and an approved fire rated self-closing swing door for the Substation room. Ensure earthing of panel body & door with fitted condition. Provide clear identification mark on distribution panel.
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	It has been implemented.
অগ্রাধিকার	৬ সপ্তাহ
চূড়ান্ত সময়সীমা	-
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	চলমান
মন্তব্য	<p>24-07-2018: 1. They have contacted with BD technology for fire separation design and waiting for the enlisted firm 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 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.</p>

সংযুক্তিসমূহ (৬)



২. পর্যবেক্ষণ

পরিদর্শন পর্যবেক্ষণ	□ 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	

২.১. কার্যক্রম

কার্যক্রম	□ Provide fire rated enclosure from floor to ceiling and an approved fire rated self-closing swing door for the Substation room. □ Install appropriate detectors
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	They have taken some action and they have agreed to complete within the timeline.
অগ্রাধিকার	৬ মাস
চূড়ান্ত সময়সীমা	২১-০৩-২০১৭
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	চলমান
মন্তব্য	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 Observation : 1. Fire rated enclosure is provided for substation room but fire door is not provided. 2. Appropriate fire detectors have not been installed. 05.04.2023: 1. Fire rated enclosure is provided for substation room but fire door is not provided. 2. Appropriate fire detectors have not been installed.

সংযুক্তিসমূহ (২)



৩. পর্যবেক্ষণ

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

৩.১. কার্যক্রম

কার্যক্রম	<p>Keep the substation clean</p> <p>Provide instructions for first aid and artificial respiration from exposure to electrical shock.</p> <p>Provide cover on the cable trench and rubber mat in front of the panel</p> <p>Ensure well-dressed cabling with lugs</p>
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	They have taken some action and they have agreed to complete within the timeline.
অগ্রাধিকার	প্রয়োজ্য নয়
চূড়ান্ত সময়সীমা	০৫-১০-২০১৬
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	চলমান
মন্তব্য	<p>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 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. 10/08/2021: Substation room is found to be clean. Instruction for first aid and artificial respiration from exposure is provided. Rubber mat is not provided in front of the LT panel. Well dressed cabling with lugs is ensured. 01-08-2022 Visit Observation : 1. Substation room was not found clean during inspection period. 2. 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 cabling with lugs is not ensured. 05.04.2023: 1. Substation room was not found clean during inspection period. 2. 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 cabling with lugs is not ensured.</p>

সংযুক্তিসমূহ (৪)



৪. পর্যবেক্ষণ

পরিদর্শন পর্যবেক্ষণ	<ul style="list-style-type: none"> 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
কাপ আইটেম ক্যাটাগরি	

৪.১. কার্যক্রম

কার্যক্রম	<ul style="list-style-type: none"> Provide duplicate earth leads for MDB. Provide earthing to body & door. Consult for finding cause of burning inside distribution box and take appropriate actions Provide clear identification mark on distribution board and SLD Install MDB/SDB/SB/MCCB on nonflammable board. Provide earthing to motor frames.
সুপারিশের ভিত্তিসূত্র	
কারখানার কার্যক্রম	They have taken some action and they have agreed to complete within the timeline.
অগ্রাধিকার	৬ সপ্তাহ
চূড়ান্ত সময়সীমা	০২-১১-২০১৬
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	চলমান
মন্তব্য	<p>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. 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. 09-05-2021 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. 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. 10/08/2021: Duplicate earth leads are provided for MDB. Earthing is provided to most of the panel body and door. Thermographic scanning report doesn't show any major hot point. No burning sign has been seen inside panel boards. Clear identification mark is provided on all the distribution boards. MDB/SDB/SB?MCCB are all installed on nonflammable boards. Motors are found to be earthed. 01-08-2022Visit Observation : 1. Duplicate earth leads were used for MDB. 2. Panel boards & panel door were earthed properly. 3 No burning sign found inside the distribution boards. 4. Clear identification of panel boards were not found. 5. MDB/SDB/SB/MCCB are all installed on non inflammable boards. 6. Motor frames were found to be earthed. 05.04.2023: 1. Duplicate earth leads were used for MDB. 2. Panel boards & panel door were earthed properly. 3 No burning sign found inside the distribution boards. 4. Clear identification of panel boards were not found. 5. MDB/SDB/SB/MCCB are all installed on non inflammable boards. 6. Motor frames were found to be earthed.</p>

সংযুক্তিসমূহ (৬)



৫. পর্যবেক্ষণ

পরিদর্শন পর্যবেক্ষণ	<input type="checkbox"/> No instruction for first aid to electrical shock <input type="checkbox"/> Access obstructed/barred <input type="checkbox"/> Connections without lug <input type="checkbox"/> Body & door not earthed <input type="checkbox"/> No SLD/clear identification mark for distribution board <input type="checkbox"/> MDB/SDB/SB or MCB installed on the wooden board <input type="checkbox"/> Live parts of machine or equipment exposed <input type="checkbox"/> Motor frame not earthed
ক্যাপ আইটেম ক্যাটাগরি	

৫.১. কার্যক্রম

কার্যক্রম	<input type="checkbox"/> Provide instructions for first aid for exposure to electrical shock <input type="checkbox"/> Remove obstruction to ensure access to MDB/MCB Box <input type="checkbox"/> Ensure well-dressed cabling with lugs <input type="checkbox"/> Cover the exposed live parts.
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	It has been implemented.
অগ্রাধিকার	প্রয়োজ্য নয়
চূড়ান্ত সময়সীমা	-
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	চলমান
মন্তব্য	<p>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 1m 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. 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. 09-05-2021 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 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. 10/08/2021: Instruction for first aid to electrical shock has been provided for all the distribution boards. Access to MDB/MCB box has been ensured. Well dressed cabling with lugs has been ensured inside all the distribution boards. Exposed live parts are not covered. 01-08-2022 Visit Observation : 1. Instruction for first aid to electrical shock and artificial respiration was not found for every panel board. 2. Access to MDB/MCB box has been ensured. 3. Well dressed cabling with lugs has not been ensured inside all the distribution boards. 4. Exposed live parts are not covered. 05.04.2023: 1. Instruction for first aid to electrical shock and artificial respiration was not found for every panel board. 2. Access to MDB/MCB box has been ensured. 3. Well dressed cabling with lugs has not been ensured inside all the distribution boards. 4. Exposed live parts are not covered.</p>

সংযুক্তিসমূহ (৬)



৬. পর্যবেক্ষণ

পরিদর্শন পর্যবেক্ষণ	□ Connections without lug □ Undressed messy wiring/cables
ক্যাপ আইটেম ক্যাটাগরি	

৬.১. কার্যক্রম

কার্যক্রম	□ Ensure secured connections with lug □ Replace undressed messy wiring/cables
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	It has been implemented.
অগ্রাধিকার	উ সন্তাহ
চূড়ান্ত সময়সীমা	-
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	সংশোধিত
মন্তব্য	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 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 ensured.

সংযুক্তিসমূহ (২)



৭. পর্যবেক্ষণ

পরিদর্শন পর্যবেক্ষণ	⏏ Lightning protection system not available ⏏ Air terminals absent
কাপ আইটেম ক্যাটাগরি	

৭.১. কার্যক্রম

কার্যক্রম	⏏ Provide appropriate Lightning protection system. ⏏ Provide air terminals
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	Not taken any action yet but they have agreed to complete within timeline.
অগ্রাধিকার	প্রযোজ্য নয়
চূড়ান্ত সময়সীমা	২১-০৩-২০১৭
সংশোধিত সময়সীমা	০১-০১-১৯৭০
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.

সংযুক্তিসমূহ (২)

