



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	ম্যানভিল স্টাইল লি;
ঠিকানা	728, South Shampur, Hemayetpur
কারখানার কোড	DHK354
কালার কোড	

মূল্যায়নের ধরন: বৈদ্যুতিক মূল্যায়ন পর্যবেক্ষণের তারিখ: -

**১. পর্যবেক্ষণ**

পরিদর্শন পর্যবেক্ষণ	<input type="checkbox"/> Electrical cables do not run through separate Service ducts
ক্যাপ আইটেম ক্যাটাগরি	

**১.১. কার্যক্রম**

কার্যক্রম	<input type="checkbox"/> Ensure prevention of fire and smoke propagation through vertical shafts by providing fire rated enclosures around the openings along with seals in shafts and ducts at floor separations. <input type="checkbox"/> Provide service duct for electrical cables
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	
অগ্রাধিকার	প্রযোজ্য নয়
চূড়ান্ত সময়সীমা	০৮-০৫-২০১৭
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	সংশোধিত
মন্তব্য	On 19/07/2020: Service ducts are provided for electrical cables. On 18-11-2020 (CVV), Service ducts are provided for electrical cables. On 15-02-2021 (CVV), Service ducts are provided for electrical cables. On 08-04-2021: Service ducts are provided for electrical cables. 02-09-2021 Service ducts are provided for electrical cables.

**২. পর্যবেক্ষণ**

পরিদর্শন পর্যবেক্ষণ	<p>□ The generator room is not properly segregated from the rest of the occupancy □ The generator room smaller than the required size □ Combustible material inside □ No over-current protection provided □ No earth-fault protection</p>
ক্যাপ আইটেম ক্যাটাগরি	

### ২.১. কার্যক্রম

কার্যক্রম	<p>□ 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 Generator room. □ Provide over current and earth fault protection</p>
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	We will provide design drawing according to guideline.
অগ্রাধিকার	প্রয়োজ্য নয়
চূড়ান্ত সময়সীমা	২০-১২-২০১৬
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	শুরু হয়নি
মন্তব্য	<p>On 19/07/2020: -Factory hasn't produced fire separation design drawing. -Over current and earth fault protection are not provided. On 18-11-2020 (CVV), 1.The generator room is located at the ground floor of the factory building but does not have adequate fire separation. 2.Over current and earth fault protection are not provided. On 15-02-2021 (CVV), 1.The generator room is located at the ground floor of the factory building but does not have adequate fire separation. 2.Over current and earth fault protection are not provided. On 08-04-2021: -Factory hasn't produced fire separation design drawing. -Over current and earth fault protection are not provided. 02-09-2021 -Factory hasn't produced fire separation design drawing. -Over current and earth fault protection are not provided.</p>

### ৩. পর্যবেক্ষণ

পরিদর্শন পর্যবেক্ষণ	□ The generator room is not properly segregated from the rest of the occupancy □ The generator room smaller than the required size □ Combustible material inside □ No over-current protection provided □ No earth-fault protection
ক্যাপ আইটেম ক্যাটাগরি	

### ৩.১. কার্যক্রম

কার্যক্রম	□ Provide fire rated enclosure from floor to ceiling and an approved fire rated selfclosing swing door for the Generator room □ Install appropriate detectors.
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	#We will install fire door according to guideline. # we will Install appropriate detectors.
অগ্রাধিকার	প্রযোজ্য নয়
চূড়ান্ত সময়সীমা	০৮-০৫-২০১৭
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	চলমান
মন্তব্য	On 19/07/2020: -Factory hasn't installed fire rated enclosure and fire rated self closing swing door. -Factory hasn't installed appropriate detectors. On 18-11-2020 (CVV), 1.No appropriate detectors installed for generator room 2.Factory hasn't installed fire rated enclosure and fire rated self closing swing door. On 15-02-2021 (CVV), 1.No appropriate detectors installed for generator room 2.Factory hasn't installed fire rated enclosure and fire rated self closing swing door. On 08-04-2021: -Factory hasn't installed fire rated enclosure and fire rated self closing swing door. -Factory hasn't installed appropriate detectors. But stand alone detectors are seen in the generator room. 02-09-2021 -Factory hasn't installed fire rated enclosure and fire rated self closing swing door. -Factory hasn't installed appropriate detectors. But stand alone detectors are seen in the generator room.

### ৪. পর্যবেক্ষণ

পরিদর্শন পর্যবেক্ষণ	<input type="checkbox"/> The generator room is not properly segregated from the rest of the occupancy <input type="checkbox"/> The generator room smaller than the required size <input type="checkbox"/> Combustible material inside <input type="checkbox"/> No over-current protection provided <input type="checkbox"/> No earth-fault protection
ক্যাপ আইটেম ক্যাটাগরি	

#### ৪.১. কার্যক্রম

কার্যক্রম	<input type="checkbox"/> Remove Combustible materials from generator room. <input type="checkbox"/> Ensure accessibility and ventilation to generator <input type="checkbox"/> Ensure double earthing of generator frame
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	Already we have done.
অগ্রাধিকার	১ সপ্তাহ
চূড়ান্ত সময়সীমা	০৪-১০-২০১৬
সংশোধিত সময়সীমা	২৫-০৬-২০২২
অগ্রগতির অবস্থা	চলমান
মন্তব্য	<p>On 19/07/2020: – Combustible materials are present in the generator room. – proper ventilation is not ensured in the generator room. –Double earthing is not provided in the generator frame. On 18-11-2020 (CVV), 1.Combustible materials have not been removed from the generator room 2.Inadequate ventilation of generator room. 3.Generator frame earthing (grounding) is not provided at two separate points On 15-02-2021 (CVV), 1.Combustible materials have not been removed from the generator room 2.Inadequate ventilation of generator room. 3.Generator frame earthing (grounding) is not provided at two separate points</p> <p>On 08-04-2021: – Combustible materials have been removed from the generator room. But a large wooden board is seen being used for covering the window in the generator room –Only a stand fan is seen for providing ventilation which is not adequate. –Double earthing is not provided at two separate and distinct points in the generator frame. 02-09-2021 – Combustible materials have been removed from the generator room. But a large wooden board is seen being used for covering the window in the generator room –Only a stand fan is seen for providing ventilation which is not adequate. –Double earthing is not provided at two separate and distinct points in the generator frame.</p>

#### ৫. পর্যবেক্ষণ

পরিদর্শন পর্যবেক্ষণ	Substation located on higher floor Access limited/barred Connection without lug Partition wall not extended up to the ceiling Panel body & door not earthed Electric cables do not pass through service shaft or insulated conduits
ক্যাপ আইটেম ক্যাটাগরি	

#### ৫.১. কার্যক্রম

কার্যক্রম	Provide easy access to the substation 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.
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	We will do the work done as per guide line soon.
অগ্রাধিকার	প্রয়োজ্য নয়
চূড়ান্ত সময়সীমা	২০-১২-২০১৬
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	চলমান
মন্তব্য	On 19/07/2020: -Easy access is provided to the substation. -factory hasn't produced fire separation design drawing yet. -Panel body and door are not earthed in the substation room. On 18-11-2020 ( CVV ), 1.Substation room were found easily accessible. 2.Factory hasn't produced fire separation design drawing yet 3.Panel body earthing continuity conductor ( ECC ) have no adequate size and door earthing were not present in some panel boards On 15-02-2021 ( CVV ), 1.Substation room were found easily accessible. 2.Factory hasn't produced fire separation design drawing yet 3.Panel body earthing continuity conductor ( ECC ) have no adequate size and door earthing were not present in some panel boards On 08-04-2021: -Easy access is provided to the substation. -factory hasn't produced fire separation design drawing yet. -Panel doors are not earthed in substation room. ( eg MDB, LT panel, PFI ) 02-09-2021 -Easy access is provided to the substation. -factory hasn't produced fire separation design drawing yet. - Panel doors are not earthed in substation room. ( eg MDB, LT panel, PFI )

#### ৬. পর্যবেক্ষণ

পরিদর্শন পর্যবেক্ষণ	Substation located on higher floor <input type="checkbox"/> Access limited/barred <input type="checkbox"/> Connection without lug <input type="checkbox"/> Partition wall not extended up to the ceiling <input type="checkbox"/> Panel body & door not earthed <input type="checkbox"/> Electric cables do not pass through service shaft or insulated conduits
ক্যাপ আইটেম ক্যাটাগরি	

#### ৬.১. কার্যক্রম

কার্যক্রম	<input type="checkbox"/> Provide fire rated enclosure from floor to ceiling and an approved fire rated selfclosing swing door for the Substation room. <input type="checkbox"/> Place substation in ground floor <input type="checkbox"/> Install appropriate detectors
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	# We will provide adequate fire separation in the substation room. # we will Install appropriate detectors.
অগ্রাধিকার	প্রয়োজ্য নয়
চূড়ান্ত সময়সীমা	০৮-০৫-২০১৭
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	চলমান
মন্তব্য	On 19/07/2020: -Easy access is provided to the substation. -factory hasn't produced fire separation design drawing yet. -Panel body and door are not earthed in the substation room. On 18-11-2020 ( CVV ), 1.Substation room were found easily accessible. 2.Factory hasn't produced fire separation design drawing yet 3.Panel body earthing continuity conductor ( ECC ) have no adequate size and door earthing were not present in some panel boards On 15-02-2021 ( CVV ), 1.Substation room were found easily accessible. 2.Factory hasn't produced fire separation design drawing yet 3.Panel body earthing continuity conductor ( ECC ) have no adequate size and door earthing were not present in some panel boards On 08-04-2021: Fire rated enclosure and fire doors are not provided. Substation is placed in ground floor. Appropriate detectors are not installed but stand alone detectors are seen. 02-09-2021 Fire rated enclosure and fire doors are not provided. Substation is placed in ground floor. Appropriate detectors are not installed but stand alone detectors are seen.

#### ৭. পর্যবেক্ষণ

পরিদর্শন পর্যবেক্ষণ	Substation located on higher floor <input type="checkbox"/> Access limited/barred <input type="checkbox"/> Connection without lug <input type="checkbox"/> Partition wall not extended up to the ceiling <input type="checkbox"/> Panel body & door not earthed <input type="checkbox"/> Electric cables do not pass through service shaft or insulated conduits
ক্যাপ আইটেম ক্যাটাগরি	

#### ৭.১. কার্যক্রম

কার্যক্রম	<input type="checkbox"/> Remove combustible materials from substation. <input type="checkbox"/> Ensure accessibility and ventilation to substation <input type="checkbox"/> Provide instructions for first aid and artificial respiration from exposure to electrical shock. <input type="checkbox"/> Provide cover on the cable trench and rubber mat in front of the panel <input type="checkbox"/> Ensure well-dressed cabling with lugs
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	Already we have done.
অগ্রাধিকার	প্রয়োজ্য নয়
চূড়ান্ত সময়সীমা	০৪-১০-২০১৬
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	চলমান
মন্তব্য	On 19/07/2020: - Combustible materials are present in substation room. - Accesibility is ensured but proper ventilation is not ensured. -No instruction is provided in the substaion for first aid and artificial respiration. -No cover is provided on the cable trench. -Rubber mat is provided in front of the panel. -Well dressed cabling with lugs is ensured. On 18-11-2020 (CVV), 1.Combustible materials have not been removed from the substation room 2.Substation room were found easily accessible but proper ventilation is not ensured. 3.No instruction is provided in the substaion for first aid and artificial respiration 4.Cable trenches are not properly covered 5.Cables wirings were found well dressed in some distribution boards 6.Rubber mat is provided in front of the panel. On 15-02-2021 (CVV), 1.Combustible materials have not been removed from the substation room 2.Substation room were found easily accessible but proper ventilation is not ensured. 3.No instruction is provided in the substaion for first aid and artificial respiration 4.Cable trenches are not properly covered 5.Cables wirings were found well dressed in some distribution boards 6.Rubber mat is provided in front of the panel On 08-04-2021: - Combustible materials have been removed from substation room but a large wooden board is seen being used to cover the window. - Accesibility is ensured but no means of ventilation is ensured for substation. -No instruction is provided in the substaion for first aid and artificial respiration. -No cover is provided on the cable trench. -Rubber mat is provided in front of the panel. -connections are secured with cable lugs but cables are not well dressed in the LT panel. 02-09-2021 - Combustible materials have been removed from substation room but a large wooden board is seen being used to cover the window. - Accesibility is ensured but no means of ventilation is ensured for substation. -No instruction is provided in the substaion for first aid and artificial respiration. -No cover is provided on the cable trench. -Rubber mat is provided in front of the panel. -connections are secured with cable lugs but cables are not well dressed in the LT panel.

পরিদর্শন পর্যবেক্ষণ	<input type="checkbox"/> No instruction for first aid to electrical shock <input type="checkbox"/> Access obstructed/barred <input type="checkbox"/> <input type="checkbox"/> Connection without lug <input type="checkbox"/> Undressed messy wire inside <input type="checkbox"/> Body & door not earthed <input type="checkbox"/> <input type="checkbox"/> Installed on wooden board <input type="checkbox"/> MCCB/MCB box broken/loose <input type="checkbox"/> Does not have duplicate earth leads
ক্যাপ আইটেম ক্যাটাগরি	

#### ৮.১. কার্যক্রম

কার্যক্রম	<input type="checkbox"/> Repair broken/loose MCCB/MCB box. <input type="checkbox"/> Provide duplicate earth leads. <input type="checkbox"/> Provide earthing to body & door. <input type="checkbox"/> Identify cause of burning inside distribution box and take remedial measures <input type="checkbox"/> Provide clear identification mark on distribution board. <input type="checkbox"/> Install MDB/SDB/SB or MCB on metal board.
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	Already we have done.
অগ্রাধিকার	প্রয়োজ্য নয়
চূড়ান্ত সময়সীমা	২০-১২-২০১৬
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	সংশোধিত
মন্তব্য	<p>On 19/07/2020: -Broken/loose MCCB/MCB box has been repaired. -Body and door earthing is ensured. -No burning sign was observed inside distribution board during inspection. -Clear identification mark is provided on distribution boards. -MDB/SDB/SB/ or MCB is installed on metal board. On 18-11-2020 (CVV), 1.Broken MCCB box/MCB box were repaired 2.Body and door earthing is ensured in some DB 3.Clear identification markings of distribution 4. No burning sign was observed inside distribution board during inspection 5.All switchboards and distribution boards are metal enclosed On 15-02-2021 (CVV), 1.Broken MCCB box/MCB box were repaired 2.Body and door earthing is ensured in some DB 3.Clear identification markings of distribution 4. No burning sign was observed inside distribution board during inspection 5.All switchboards and distribution boards are metal enclosed On 08-04-2021: -Broken/loose MCCB/MCB box has been repaired. -Body and door earthing is ensured in most of the distribution boards. -No burning sign was observed inside distribution board during inspection. -Clear identification mark is provided on distribution boards. -MDB/SDB/SB/ or MCB is installed on metal board. 02-09-2021 -Broken/loose MCCB/MCB box has been repaired. -Body and door earthing is ensured in most of the distribution boards. -No burning sign was observed inside distribution board during inspection. -Clear identification mark is provided on distribution boards. -MDB/SDB/SB/ or MCB is installed on metal board.</p>



পরিদর্শন পর্যবেক্ষণ	<input type="checkbox"/> No instruction for first aid to electrical shock <input type="checkbox"/> Access obstructed/barred <input type="checkbox"/> <input type="checkbox"/> Connection without lug <input type="checkbox"/> Undressed messy wire inside <input type="checkbox"/> Body & door not earthed <input type="checkbox"/> <input type="checkbox"/> Installed on wooden board <input type="checkbox"/> MCCB/MCB box broken/loose <input type="checkbox"/> Does not have duplicate earth leads
ক্যাপ আইটেম ক্যাটাগরি	

#### ৯.১. কার্যক্রম

কার্যক্রম	<input type="checkbox"/> Provide instructions for first aid from exposure to electrical shock <input type="checkbox"/> Remove obstruction to ensure access to MDB/MCCB Box <input type="checkbox"/> Ensure well-dressed cabling with lugs
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	Already we have done.
অগ্রাধিকার	প্রয়োজ্য নয়
চূড়ান্ত সময়সীমা	০৪-১০-২০১৬
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	সংশোধিত
মন্তব্য	On 19/07/2020: -First aid instruction is provided. -Access to MDB/MCCB bo is ensured. -Well dressed cabling with lugs is ensured. On 18-11-2020 ( CVV ), 1.Instruction board for first aid and artificial respiration is located. 2. Distribution board have a minimum clearance 3.Well dressed cabling with lugs is ensured On 15-02-2021 ( CVV ), 1.Instruction board for first aid and artificial respiration is located. 2. Distribution board have a minimum clearance 3.Well dressed cabling with lugs is ensured On 08-04-2021: -First aid instruction is provided beside all the distribution boards. -Access to MDB/MCCB box is ensured. -Well dressed cabling with lugs is ensured inside all the distribution boards. 02-09-2021 -First aid instruction is provided beside all the distribution boards. -Access to MDB/MCCB box is ensured. -Well dressed cabling with lugs is ensured inside all the distribution boards.

#### ১০. পর্যবেক্ষণ

পরিদর্শন পর্যবেক্ষণ	□ Electric cables do not pass through service shaft or insulated conduits □ Connection without lug □ Undressed messy wire inside
কাপ আইটেম ক্যাটাগরি	

#### ১০.১. কার্যক্রম

কার্যক্রম	□ Provide service ducts or insulated conduits □ Ensure secured connections with lug □ Replace undressed messy wiring/cables
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	We will provide adequate service duct required location.
অগ্রাধিকার	প্রযোজ্য নয়
চূড়ান্ত সময়সীমা	২০-১২-২০১৬
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	চলমান
মন্তব্য	On 19/07/2020: -Insulated conduit is provided. -Secured connections with lugs is ensured. -Unterminated cables were found inside distribution board. On 18-11-2020 (CVV), 1.Electric cables passes through service shaft 2.Unterminated cables were found inside distribution board. 3.Secured connections with lugs is ensured On 15-02-2021 (CVV), 1.Electric cables passes through service shaft 2.Unterminated cables were found inside distribution board. 3.Secured connections with lugs is ensured On 08-04-2021: -Insulated conduits and service ducts are provided. -Secured connections with lugs are ensured inside all the distribution boards. -Unterminated cables have not been removed yet. 02-09-2021 - Insulated conduits and service ducts are provided. -Secured connections with lugs are ensured inside all the distribution boards. -Unterminated cables have not been removed yet.

#### ১১. পর্যবেক্ষণ

পরিদর্শন পর্যবেক্ষণ	<input type="checkbox"/> Lightning protection system not available
কাপ আইটেম ক্যাটাগরি	

#### ১১.১. কার্যক্রম

কার্যক্রম	<input type="checkbox"/> Provide appropriate Lightning protection system.
সুপারিশের তথ্যসূত্র	
কারখানার কার্যক্রম	We will install appropriate Lightning protection system soon.
অগ্রাধিকার	প্রযোজ্য নয়
চূড়ান্ত সময়সীমা	০৮-০৫-২০১৭
সংশোধিত সময়সীমা	০১-০১-১৯৭০
অগ্রগতির অবস্থা	চলমান
মন্তব্য	On 19/07/2020: Factory hasn't installed lightning protection system yet. On 18-11-2020 (CVV), Lightning protection system is not installed on the building On 15-02-2021 (CVV), Lightning protection system is not installed on the building but they have submitted design to DIFE for approval. On 08-04-2021: Factory has submitted Lightning protection system design drawings to DIFE for approval.