METHOD STATEMENT FOR ISOLATORS/DISCONNECT SWITCHES

Project No:	

REVISION HISTORY	ISSUE DATE	DESCRIPTION	REVIEW / STATUS
00			

PREPARED BY:	**REVIEWED & APPROVED BY:**
QA QC ENGINEER	PROJECT ENGINEER

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1.0. PURPOSE

This Method Statement covers installations of Isolators and disconnect Switches defined by the Specifications.

2.0. SCOPE OF WORK

This procedure defines the method to be used to ensure that Isolators I Disconnect Switches are correctly installed, acceptable and conform to the specifications

3.0. REFERENCES

3.1. QCS
3.2. Approved Shop Drawings
3.3. Approved Material Transmittals
3.4. Approved Material Inspection Report
3.5. Approved Safety Plan
3.6. Approved Insulation Resistance Test Report.

4.0. RESPONSIBLE PERSONNEL ON-SITE

4.1. 4.1 Electrical Field Engineers
4.2. 4.2 Safety Officer
4.3. QA/QC Engineer
4.4. Electrical Supervisors.

5.0. SAFETY

General HS&E statement:

5.1. All safety precautions shall be followed as per the approved safety plan & procedures.
5.2. Ensure that all involved persons are aware of the same.
5.3. Safety Officer to ensure that all working platforms and ladders shall be safe and in good condition.
5.4. Ensure that all tradesmen shall leave their working places clean, tidy and free of rubbish.

5.5. Scaffoldings to be used during installation shall be erected properly to ensure the safety of people working on it.

5.6. Use and wear personal protective gear like, a safety helmet, safety shoes, safety glasses, etc.

6.0. STORAGE

6.1. The Isolators and Disconnect Switches shall be stored in a dry and clean area.

6.2. Ensure that Isolators and Disconnect Switches are in the original manufacturer's packing.

6.3. A "Material Delivered to Site" form should be submitted to the Consultant for their inspection and approval before the materials are installed.

6.4. Isolators and Disconnect Switches shall be stacked neatly.

7.0. PRE-INSTALLATION

7.1. All materials, drawings and documentation relevant to this particular section of work will be checked before installation.

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8.2. Before the commencement of works, ensure that the installation area is accessible and in a suitable condition to execute the installations.

8.3. Ensure that wall and ceiling finishes are completed before installation.

8.4. Determine the exact location of the materials to be installed from the approved Shop Drawings.

8.5. Check that all wiring installations are completed and the wires have been tested for insulation and continuity tests.

8.6. Ensure that the test forms are signed by the Consultant.

8.7. The size of cables shall fit to the terminal of isolators.

9.0. TOOLS

9.1. Calibrated Insulation Tester

9.2. Screw Drivers

9.3. Drill Machine

9.4. Pliers

9.5. Crimping Tools

9.6. Level

9.7. Torque Wrench

10.0. INSTALLATION PROCEDURE

It has been presumed that all related wiring and testing have been completed and accepted by the Consultant.

10.1. Mark the location of the Isolator or disconnect switch on the wall or ceiling. The location shall be as per the approved drawings and has been coordinated with other services.

10.2. Ensure that the isolators/disconnect switch is aligned and fixed properly near the equipment

10.3. Terminate the incoming and outgoing cables using approved accessories.

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10.5. Terminate the earthing of the Isolator, brackets and other metallic parts and ensure that the earthing has continuity up to the final sub-circuit.

10.6. Continuity test shall be conducted to ensure the proper working operation of the isolator/disconnect switch

10.7. Isolator shall be chosen depending on the installation area (outdoor or indoor).

11.0. INSPECTION

After the complete installation of Isolators and disconnect switches in a certain area, a request for inspection shall be raised for the consultant's approval.

12.0. ATTACHMENT

12.1. Risk Assessment