METHOD STATEMENT FOR INSTALLATION OF CABLES & WIRES

REVISION HISTORY	ISSUE DATE	DESCRIPTION	REVIEW / STATUS

PREPARED BY:	REVIEWED BY:	APPROVED BY:
QA QC ENGINEER	MAINTENANCE MANAGER	DEP. HEAD

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1.0. Scope

This method statement details the method of installation of power cables and associated accessories.
Note:
Refer method statement [Ref. No.] for installation of cable trays and ladders.

2.0. Material

2.1. XLPE/SWA/PVC Cables.
2.2. PVC insulated SWA/PVC sheathed cable.

3.0. Applicable Location

2.3. [Location Name here].

4.0. Method

4.1. Storage
4.1.1. All materials received at site shall be inspected and ensured that the materials are as per approved material submittal.
4.1.2. All materials received at site shall be inspected and ensured that the materials are as per approved material submittal.
4.1.3. Any discrepancies, damages etc. shall be notified and reported for further action.
4.1.4. Material found not suitable for the project are removed from site immediately.
4.1.5. Cables are stored with the factory packing on the flat surface with stoppers to prevent drums rolling, as demonstrated on the attachment.
4.1.6. Protection shall be provided from direct sunlight.
4.2. Installation
4.2.1. Ensure the relevant current/approved shop drawings are available with the installation team.
4.2.2. Handle the cable drums as instructed by the manufacturer (see attachment sheets demonstrating the cable drum handling)
4.2.3. Check the cable drum for any damage for transportation and test the cable for continuity and insulation resistance before installation.

4.2.4. Check and ensure the cable route is completed and free from damage or sharp edges.
4.2.5. Raise the cable drum above the ground level with cable jack to unwind the cables to the pulling direction.
4.2.6. Pull the cable manually from one feeder end to the other end.
4.2.7. Ensure no undue stress is applied on the cable which may damage the cable and its functionality.
4.2.8. Leave enough length of cables at both the ends for termination.
4.2.9. After pulling the cable check for mechanical damage, if any major damage found replace the cable with new one.
4.2.10. Dress the cable with necessary cable ties and no overlap of cables shall be allowed.
4.2.11. In case of single core 630 Sq.mm cable, trefoil arrangement with cable touching along their entire length is adopted.
4.2.12. Provide identification as per specification and approval material submittals.
4.2.13. Installation shall be offered for QC verification and inspection consultant.

5.0. Records

5.1. Inspection request duly signed-off by Consultant.

6.0. Attachment

6.1. Cut sheet demonstrating handling the cable drums.

7.0. Reference

7.1. Specification [Section Reference Number here].
7.2. Approved Drawings.

8.0. Attachment

8.1. Inspection Check List for Installation Of Cables & Wires
8.2. Risk Assessment
8.3. Checklist