

COURSE TITLE: AUTHORISED INSULATOR WASHER FOR LINES & SWITCHYARDS UP TO 132KV.

Course Purpose: This module is designed to provide the Participants with the necessary knowledge & skills to carry out the washing of insulators on Lines & Switchyards energised up to 132kV.

Course Duration: Up to 3 Days.

Pre-requisites: Authorised Live Line Lineworker.

Learning Outcomes:

1. Demonstrate knowledge of Limits of Approach for Personnel & Mobile Plant, as specified in the relevant Code of Practice or equivalent.
2. Demonstrate knowledge of the basic safety precautions relevant to the washing of Line & Switchyard Insulators at Voltages up to 132kV, using an Insulated Washing Gun, as stated in the written material supplied.
3. Demonstrate the knowledge and skill required to safely carry out the washing of Line & Switchyard Insulators at Voltages up to 132kV using an Insulated Washing Gun, from an Elevating Work Platform.

Summary of Content:

1. Introduction & reasons for live line washing of insulation
2. Methods of insulator washing.
3. Safe working clearances for persons & mobile plant.
4. Earthing of mobile plant.
5. General precautions associated with live-line insulator washing.
6. The washing method
7. General information on the washing of pole line insulators.
8. Insulator testing.
9. Insulation which should not be washed while energised.
10. Insulation which should not be washed with a water jet.
11. Handlines – observance of limits of approach.
12. Protective clothing.
13. Notification to Operating Authority.
14. General information on the live line washing of Tower Line & Switchyard Insulation.

Summary of Content: (Cont'd)

15. Water quality.
16. Earthing of the Washing Equipment.
17. Washing of Bushings & Switchyard Insulator stacks.
18. Switchyard apparatus which must not be washed with a washing gun.
19. Switchyard apparatus which must be de-energised to wash.
20. Further precautions for the washing of Switchyard Apparatus.

**Delivery:
(Presentation Format)**

Delivery will consist of:

- Training room presentations to deal with the acquisition of knowledge and thinking skills.
- Participant demonstration of skills.

Competency Assessment:

Assessment for this module will consist of:

- Written assessment will be required to demonstrate knowledge of Safe Approach Distances for Personnel & Mobile Plant.
- Written assessment will be required to demonstrate knowledge of basic safety precautions relevant to the washing of Line & Switchyard Insulators up to 132kV using an Insulated Washing Gun.
- Practical skill assessment to safely carry out washing of Line & Switchyard Insulators at voltages up to 132kV using an Insulated Washing Gun, from an Elevating Work Platform.