

COURSE TITLE: AUTHORISED INSULATOR WASHER FOR POLE LINES UP TO 33KV, USING A HIGH PRESSURE ALL-METAL WASHING GUN – INITIAL

COURSE PURPOSE: This module is designed to instil in the participants the necessary knowledge and skill to carry out insulator washing on pole lines at voltages up to 33KV, using a high pressure all-metal washing gun and associated equipment. Washing from an insulator boom elevating work platform, from the tray of a vehicle, and from ground.

COURSE DURATION: 1 Day.

- PRE-REQUISITES:**
- Ability to safely operate an Elevating Work Platform.
 - Successful completion of training in the use of the insulated washing gun and associated equipment to wash pole line insulators at voltages up to 33KV.

- LEARNING OUTCOMES:**
1. Demonstrate knowledge of Safe Approach Distances for Personnel and Mobile Plant as specified in the relevant “Code of Practice on Electrical Safety for Work on or near High Voltage Electrical Apparatus”.
 2. Demonstrate knowledge of basic safety precautions relevant to the washing of pole line insulators up to 33KV using a high pressure all-metal washing gun, as stated in written material supplied.
 3. Demonstrate the knowledge and skill required to safely carry out the washing of pole line insulators at voltages up to 33KV using a high pressure all-metal washing gun, from an insulated boom Elevating Work Platform, from the tray of a vehicle, and from ground.

**SUMMARY OF
CONTENT:**

1. Safe Approach Distance to High Voltage Conductors, for Personnel and Mobile Plant.
2. Information on:
 - Limitations on the use of the high pressure all-metal washing gun method.
 - Methods of washing, using the high pressure method.
3. Role of the Safety Observer.
4. Insulator washing techniques.
5. Water conductivity testing.
6. Safe minimum nozzle distance.

**DELIVERY
(Presentation Format)**

Delivery will consist of:

- Training room presentations to deal with the acquisition of knowledge and thinking skills.
- Participant paper-based exercises.
- On-site demonstration and instruction.

**COMPETENCY
ASSESSMENT:**

Assessment for this module will consist of:

Written skills assessment to demonstrate:

- Working knowledge of Limits of Approach for Personnel and Mobile Plant.
- Working knowledge of the basic safety precautions applying to the Live Line Washing of Pole Lines.

On-site assessment of:

- Conductivity testing of water.
- Washing of energised Pole Line Insulators at voltages up to 33KV from an Elevating Work Platform, from the tray of a vehicle, and from ground.