

## **Electricity**

**Electricity – convenient, reliable, essential for modern life.**

**Unfortunately, invisible and deadly if we become complacent.**

### **General**

- No work is to be undertaken on any electrical circuit, either permanent or temporary, unless the individual is a competent electrician.

### **Using Site Electrical Supplies**

- As a first option, consider the use of battery-operated tools. They are far better than they used to be, minimise the electrical risks and eliminate other risks such as trailing cables.
- If you have to use electrical tools, only 110V is allowed on this site.
- Before use, check that your cables and tools are in good condition – any damage, don't use it.
- Consider your cable routes – don't leave trip hazards for others, ensure your cables are long enough for you to work without straining them.
- Never overload equipment.
- Ensure the correct fuses are fitted. Too high a fuse rating can lead to injury, equipment damage and fire.
- Avoid wet or damp environments.
- Keep electrical equipment dry, clean and in good condition.
- On this site, we need all your electrical equipment and tools to be inspected and tested at 3-monthly intervals.
- Disconnect equipment when not in use. Switch off before withdrawing plugs from sockets. Do not withdraw a plug by pulling on its cable.
- In the event of a colleague having an electric shock, know the immediate actions:-
  - Isolate from the supply
  - Summon assistance
  - Give first aid

### **Questions:**

- 1 What should you always do before using electrical tools, cables, plugs or sockets?
- 2 Who is permitted to repair or work on electrical systems?
- 3 What actions should you take in the event of a colleague receiving an electric shock?

### **Remember**

**Electrical repairs are a job for trained and competent electricians only**

Further Information:- CIP Manual, Section 10