

# **SAFETY AT THE WORK SITE – WORK AT VOLTAGES ABOVE 650V**

- All high voltage mains and apparatus should be regarded as live and a source of danger and treated accordingly, unless it is positively known to be dead and earthed.
- No person should work on, test or earth mains or apparatus unless covered by a permit to work and after providing the mains dead except for the purpose of connecting the testing apparatus, etc. which is specially designed for connecting to the live parts.
- While working on mains, the following precautions should be taken:
  - When any live mains is to be earthed, the prescribed procedure should be followed scrupulously.
  - The earths and short circuits, specified on the permit to work should not be removed or interfered with except by authority from the person in charge of the work.
- No person should work within the minimum working distance from the exposed live mains and apparatus. The minimum working distance depends upon actual voltages:

Highest System Voltage (kV)	Safety Working Clearance (Metres)
12	2.6
36	2.8

- Exposed live equipment in the vicinity should be guarded off and the guarding should be done in a manner so that it does not hinder the movement of the personnel. If necessary, a person for observing safety could be posted.
- All barriers, shutters, etc. of high voltage equipment should be kept locked except when required for carrying out work under a permit to work. The keys should be kept under the control of authorized persons only.

