



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT
ARIYALUR
SAFETY DEPARTMENT MANUAL**



Issue No. 01	Rev. No: 00	Effective Date: 01.11.2010	WI-22(PI-14; AM-7)
Issued By: M.R		Approved By: HOD -SAFETY	
WORK INSTRUICTION FOR SAFETY PRECAUTIONS ELECTRICITY			

1. SAFETY WITH THE ELECTRICITY:

1.1. DOs

- 1.1.1. Repairs on Electrical circuits and equipments should be done only by authorized persons.**
- 1.1.1 Take line clearance permit, and apply LOTO; De-energize circuits/conductors before undertaking the maintenance work.**
- 1.1.2 Before starting the work, make sure that the line is disconnected by testing it with a voltage testing device.**
- 1.1.3 When it becomes necessary to work on a live line or electrical equipments, use lineman's gloves and rubber mats and take all precautions.**
- 1.1.4 Use only adequately insulated pliers, screw drivers and other tools while working on live lines.**
- 1.1.5 Always use the same capacity fuses in place of blown out fuses to ensure the human safety and prevent equipment damage with short circuit currents.**
- 1.1.6 Ensure that the isolation given on your equipments is complete and properly tagged.**
- 1.1.7 Hang the sign boards on the circuit breakers like "Men at work, "Don't Operate" etc, while working on the equipments connected to it. If possible, lock the equipment.**
- 1.1.8 Always use the safety equipment like gloves, fuse pullers, insulated platforms, mats etc, depending on the nature of the job to be carried out.**
- 1.1.9 Replace the cover plates and other details of the equipment immediately after attending the repair work.**
- 1.1.10 All the electrical portable equipment machines should be properly earthed. Take the assistance of the electrical section, if the equipment is not earthed.**
- 1.1.11 Portable electrical equipment should be periodically tested for possible defects**
- 1.1.12 Use only weather-proof type sockets and extension cords in wet and misty locations.**



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1.1.13 Always conceal the wires to avoid tripping over or walking on them, causing damage to it.

1.1.14 While working on overhead lines, use safety belts.

1.1.15 Use 24 Volt System

1.1.16 Use double earthing system

1.1.17 Use foot voltage in 132KV

1.2 DONTs

1.2.1 Do not handle any electrical equipment with a wet hand.

1.2.2 Do not use any defective or out of shape tool for electrical repair work.

1.2.3 Do not take it for granted that a circuit is dead or de-energized unless it is tested.

1.2.4 Do not test a circuit with a finger or a make-shift device.

1.2.5 Do not use a line tester as voltage testing device.

1.2.6 Do not work alone on live circuits.

1.2.7 Do not replace a fuse or energies a tripped circuit breaker, without investigating its cause, short circuit, overload or tripping.