



NLC TAMILNADU POWER LIMITED

SAFETY DIVISION

STANDARD OPERATING PROCEDURE

TITLE:- SOP- ELECTRICAL WORKS

NTPL//SOP-05

SOP FOR ELECTRICAL WORKS: -

The following points should be checked and complied with before start of work involving electrical power supply.

1. Electrical equipment /tools are in sound condition and inspected /tested for its healthiness.
2. Body earthing is provided to machine / electrical hand tool.
3. The switches / Fuses/ Plug top used are of appropriate rating.
4. The power cable is having three cores in case of single phase and four cores in case of 3 phase supply.
5. The joints in power cables are properly insulated.
6. For Welding cable , job earth and joints are proper.
7. Electrical machine/tools cables are free from obstruction, contact with water and hot sparks.
8. ELCB is provided in the supply system.
9. Use of 24 volts hand lamp in confined space /vessel.
10. Permit to work has been taken.
11. Proper access and illumination are available to switch boards and work location



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12. Safety tags are provided.

13. Engagement of experienced and authorised workers for doing the work.

14. Workers are briefed on safety precautions to be taken.

15. Use of Helmet, Shoes, Gloves, Face shield and Safety belt (height work) by worker. Use Arc Flash suit wherever required.

16. Worker is not exposed to rain and not standing on wet /water logged location.

17. Second person is available with the engaged worker.

18. **Tag** the lock with a **DANGER , DO NOT OPERATE TAG-LOTO**

19. Agency supervisor deployed.