

NTPC Health & Safety Alert

Electrical Work



Background

Recently an incident occurred where workers connected load to a station service transformer inside an NTPC building and left it overnight. The next day they discovered the transformer had burned. Fortunately the fire did not spread to the building and surrounding materials and infrastructure.

Practical Guidance

When adding to or modifying existing systems, ensure an engineering design is completed and approved before work begins, as per current NTPC practice. For example:

- Design drawings in place
- Proper load calculations
- Sufficient transformer capacity

Ensure electrical projects in the testing phase are shut down at end of shift to prevent equipment damage or fire.

Ensure wiring diagrams are maintained up-to-date whenever electrical system changes are made.

Conduct a Job Safety Analysis prior to starting the job.

