

Operation & Maintenance Norms for Power Stations and T&D system in West Bengal

Executive summary

In order to make utilities commercially and economically viable and at the same time provide electricity to the end-consumers at a reasonable and affordable price, the West Bengal Electricity Regulatory Commission, Kolkata (WBERC) entered into an agreement with the Energy Resources Institute (TERI) to develop operation and maintenance norms for power stations (Thermal & Hydro) and T&D network for all utilities under the jurisdiction of West Bengal Electricity Regulatory Commission, Kolkata. The main objective of framing these norms were to fix the benchmarks of key parameters that govern the efficient, cost effective generation and distribution of electrical power. The report in five volumes covered, O&M norms for:

- thermal power stations;
- hydro power stations;
- T&D system;
- grid operation; and
- social cost of thermal power stations.

The approach adopted involved collection of actual performance data at least for the last five years, comparison with data of other similar equipment operating elsewhere in the country, discussions during site visits etc and then based on all this data, O&M norms were recommended which could be improved gradually till 2015-16 The study was completed in 12 months.