APPLICATION OF ASD TO INDUCES DRAFT FANS AT NSP-SHERCO POWER PLANT

TR-113576

ABSTRACT

Adjustable speed drive control of an electric motor ID fan can provide significant energy savings while increasing the accuracy and precision with which boiler draft and flue gas flow can be regulated.

The purpose of the study was to quantify the benefits of energy savings and to identify other benefits that can be obtained from the application of adjustable speed drives to four existing electric motor driven ID fans.

This report describes the approach to the study, the data collected, the analysis performed, and provides the analytical results and economic return.