

BIRLA CEMENT WORKS, CHANDERIA

WRITE UP ON PROJECTS (2003 – 04)

1. REPLACEMENT OF CEMENT MILL NO.1 VENT FAN

BACKGROUND OF PROJECT

Conventional low efficiency fan was running for Cement Mill No.1 vent fan, which was drawing 20 Units/Hr. Number of power consumption reading were taken by electronic energy meter, flow measurement done and other operating parameters collected, studied and analyzed.

OBSERVATION

Details of high efficiency fan were received from various suppliers, calculation done and analyzed with old data and was found that approx. 14 Units/Hr. electrical energy could be saved by installing the high efficiency fan.

TECHNICAL & FINANCIAL ANALYSIS

It was seen that high efficiency fan could be installed with expected investment of Rs. 3.50 Lacs and saving could be achieved within 9 months.

IMPLEMENTATION

High efficiency fan for Cement Mill No.1 vent fan was commissioned in May,2003 at a cost of Rs. 2.56 Lacs with actual saving of 12.60 Units/Hr.

