

ESP Maintenance and its Efficient Operation-A Key to Improved Air Quality

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ABSTRACT

Environmental management has assumed vital importance in view of awareness at various levels and stricter norms by regulatory authorities. Most paper mills in country have acted in a responsible manner by directing substantial investment to comply with the CREP norms. To improve air quality, all power boilers, recovery boilers and lime kiln are now equipped with new and efficient ESP. This has significantly improved emission from chimneys of paper mills.

It has, however, been observed that due to lack of proper attention on maintenance of ESP, performance deteriorates with time resulting in increased emission. This paper discusses simple maintenance steps for ESP of coal fired and recovery boilers to achieve desired performance and proper asset utilization.