

# Adopting The Integrated Chlorine Dioxide Process For Pulp Bleaching, To Comply With CREP Regulations

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## ABSTRACT

The Charter on Corporate Responsibility for Environmental Protection (CREP) guidelines impose several new requirements on pulp and paper mills in India to adopt more environmentally friendly practices, including a reduction in AOX emissions that will require a shift away from chlorine (or hypochlorite) based pulp bleaching.

The worldwide acceptance of ECF pulp in recent years ensures that chlorine dioxide will continue to be the dominant pulp-bleaching agent for the foreseeable future.

Aker Solutions - recognizing the on-going need from the pulp and paper industry for a reliable and cost effective method to generate chlorine dioxide - offers the integrated chlorine dioxide process that produces chlorine dioxide solution at the lowest operating cost, while minimizing the dependence on outside supply, market exposure, and the need to import and store hazardous feedstocks.

This paper describes Aker Solutions' integrated chlorine dioxide process, and examines its operating costs in India, as compared to the typical methanol-based process.