

Ferrous Chloride & Hydrated Titania - A Cost Effective Option For Treatment Of Mill Effluent For Colour & Aox Removal

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ABSTRACT

Inspite of the rapid advances in technology related to pollution abatement as well as environmental management, the pulp & paper mills in India are still in search of a suitable techno economically viable colour removal technique in order to address public concerns. Till this search ends the mills will have to continue to rely on chemical treatment for colour removal which is a common practice. The chemicals generally used for colour removal are Lime & Alum. In this perspective a product comprising of 20% Ferrous Chloride + 20gpl Hydrated Titania developed by Cochin Minerals & Rutile Ltd, Cochin was evaluated by CPPRI for its efficiency & merits as well as techno-economics in reducing colour both at lab scale and mill scale. The paper highlights the results & findings of lab scale & mill trials.

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