

Cost-effective water treatment system for use in construction purposes under mission mode: Climate Resilient Buildings for India (HCP059)

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Abstract:

Chloride pollution has become an increasingly serious environmental problem that cannot be ignored. The main chloride sources in water are industrial effluents, which usually contain high chloride concentration and are discharged from metal smelting inland seawater desalination etc. Due to its high water solubility and non-biodegradability, removal of chloride from water and wastewater is a challenging process. The main chloride removal technologies can be broadly classified into four categories: chemical precipitation, adsorption, oxidation and membrane separation. Limited study on the development. In this study a treatment system that is affordable, efficient, and tailored to the unique requirements of construction site will be developed.

Objective of the Project

- To develop a water treatment system that is affordable, efficient, and tailored to the unique requirements of construction sites.