

Status of groundwater availability and recharge in the mining watersheds of North Goa*

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The opencast iron ore mining in North Goa has induced significant changes in water quality and quantity besides topographical, morphological, and land-use changes. In the present study, a detailed account of the status of groundwater availability, its recharge, aquifer types, etc. has been presented. The study has been carried out on 10 sub-watersheds that are in the region where large-scale iron ore mining has been in operation. The stage of groundwater development in each of the sub-watershed can be used for groundwater development planning activities including artificial recharge, rainwater harvesting, and restricting the quantum of withdrawals from groundwater reservoir.