

ENVIRONMENTAL IMPACT OF IRRIGATION IN A PART OF
CHAMBAL PROJECT COMMAND AREA OF MADHYA PRADESH,
INDIA.

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ABSTRACT

The aim of the present study was to identify the effects of surface water irrigation on the environment. The most logical way of identifying impacts associated with the Chambal Project is to establish the causes, conditions and effects relationship. The methodology for identification of Environmental impacts identifies all possible networks related to different activities pertaining to proposed water resources development project and then allow the identification of impacts by selecting the tracing out appropriate project actions. The identified environmental impacts of surface water irrigation in the study area are public health hazard, decrease in available surface water supply and flow in canals, salinization and alkalinisation of soil, water logging, increase in soil erosion, decrease in soil fertility, pesticides and herbicides in food chain, impact on flora and fauna, and degradation of chemical quality of groundwater, etc.