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Sagar

(Pradeep Kumar Jain)
Preface

The study area mainly consists of Bundelkhand grante. Although, the area receives a fair amount of rainfall, the groundwater potential had never been high due to surface run-off and hydrogeological properties of aquifers. The area has shortage of water for domestic as well as irrigating purposes. Groundwater is important source which can solve these requirements. It is, therefore, expedient to search groundwater resource potential in the area.

To determine the groundwater potentials, one has to take up the studies of rock formations and response of groundwater bodies to meteorological, geological, topographical, hydrologic cycles and artificial recharges from surface water storage, soil and water conservation practices, etc.

Keeping these factors in mind, the author has undertaken Evaluation of groundwater resource potential of upper Urmil river basin district Chhatarpur Madhya Pradesh.

The present study covers all hydrogeological aspects from chapter one to chapter eleven and lastly drawn a conclusion.
Broadly speaking each chapter deals with fundamental principles, their application, observations of other workers and their interpretation. The methodology involved in working out the data have been elucidated through tables, figures and location through photographs.

Different hydrochemical facies have been determined through chemical quality of water in order to reckon the water quality provinces.

Lastly, the concluding chapter points out as to how far this area immensely benefit the agriculture by tapping the water resources and thereby raising the economic condition of this backward area.

\[\text{P.K. Triw-}\]
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