

## **Preface**

Due to the shortage of surface water, groundwater is an important supply of water for home and industrial purposes throughout India. The study aimed for marking groundwater potential zones (GWPZ) for Haveli tehsil of Pune, Maharashtra, employing remote sensing and geographical information system (GIS) with analytical hierarchy process (AHP). During the groundwater assessment process, thematic maps of lineament density, geomorphology, drainage density, slope, soil, rainfall and land use land cover were created and assigned different weights based on their recharge capabilities and retention properties.