

PREFACE

The Guhagar is one the town situated in Ratnagiri District of Maharashtra state. As far as tourist places are concerned, it is famous for Beaches.

Groundwater is basically the water which is present below the earth surface. This is mainly due to the faults, tectonic movements of earths plateau, etc. About 30% of fresh water source is the Groundwater source.

Groundwater is the primary source contributing to water supply and irrigation due to drought problems. As the need for Groundwater has been increasing day by day, it leads to water stress conditions. This study is done to find locations which have rich source of Groundwater for the Guhagar. Different factors influencing Groundwater have been prepared, such as "Drainage Density Lineament Density, Slope, Rainfall, Land use land cover" Using the AHP method, weights are assigned to every parameter by considering their importance according to their effect on groundwater recharge. Groundwater zones were classified into very low, moderate, Good, and excellent. With remote sensing and GIS, there is scope for local authorities to explore the groundwater resources.