



Short Communication

Quality and Assessment of Ground Water in Satna, Madhya Pradesh

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ABSTRACT

The usefulness of groundwater to a great extent depends on its chemistry. Ground water has been used a major source of drinking water in both rural and urban areas in the world. The present paper focuses the analysis of physico-chemical study of ground water quality of Satna. Fifteen water samples were collected from different locations of the city and analysis of water samples for different parameters like temperature, pH, TDS, DO, BOD, COD, nitrate and sulphate were carried out in the month of march-2014 by using standard methods. The estimated parameters were compared with standard water quality indices like WHO and BIS. Nitrate and sulphate of all the samples are within the WHO recommended values as 45 mg L⁻¹ and 250 mg L⁻¹

Keywords: Groundwater, physico-chemical parameters, Statistical analysis, Satna.
