

**Status of Groundwater Quality in Patna Town**

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**ABSTRACT**

Drinking water sources are becoming scarce every day. In recent years the surface water has been deteriorated due to high level of pollution. Hence groundwater is the most important resource for drinking water supply. However due to the rapid Industrialization and other human activities, there are threats to the quality of groundwater.

The quality of groundwater varies from place to place depending on human activity and industrial pollution, with the depth of water table, and from season to season. It is primarily governed by the extent and composition of dissolved solids in it. Ground-water quality variation problem can be understood only by the regular monitoring of water quality parameters for use as drinking water and for irrigation purpose.

Patna, in general suffers from unsanitary conditions with several types of sewage disposal systems including primitive ones. It was feared that some of the abstraction sight might have been influenced by them.

In the present study, thirty two tubewell out of sixty seven major deep tubewells have been selected covering length and breadth of Patna town for groundwater quality study. Groundwater samples from all these 32 tubewells were collected and general drinking water quality parameters (e.g. Temperature, pH,)

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