



## **Analysis of Nitrate Contamination of Water in Deeg District - Bharatpur (Rajasthan), India**

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**Abstract:** The occurrence of high nitrate levels in groundwater has to be recognized as a threat to humans and animals. In the present investigation, an attempt has been made to understand the nitrate toxicity and evaluation of seasonal changes in the concentration of nitrate in town Deeg (Bharatpur). A comparison with ISI standard shows that all the samples of ground water (hand pump and well) exhibit nitrate content very much higher in all seasons. Nitrate was minimum in post-monsoon somewhat higher in pre-monsoon and highest in monsoon season. The water was severely polluted and unfit for human consumption for drinking and bathing at all location in all seasons. In hand pump water of Kaman road high nitrate (376.97ppm) was recorded as compared to other samples during monsoon season. All instances of nitrate pollution are related to anthropogenic sources can be managed to reduce or eliminate nitrogen inputs and for protecting groundwater resources.

**Keyword:** Town Deeg, Nitrate, Seasonal variation, Ground water

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