

# PHYSICO-CHEMICAL STATUS OF GROUND WATER SAMPLES IN NAGERCOIL TOWN, KANYAKUMARI DISTRICT, TAMIL NADU

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**Abstract:** The Physico-chemical status of water samples from five different stations in Nagercoil town was assessed. The study was carried out by collecting five groundwater samples (both bore-well and open well) during January 2011 – April 2011. The results were compared with standards prescribed by WHO and ISI 10500-91. Total 10 parameters were analysed. It was found that the ground water was contaminated at few sampling sites, namely, Vadassery market area, Meat area and agricultural area while the sampling sites residential area and rocky area showed physico-chemical parameters within the water quality standards and the quality of water is good and it is fit for drinking purpose.

**Keywords:** Ground water, physico-chemical parameter, open well, bore-well, Nagercoil Town.

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