

STUDY OF FLUORIDE CONCENTRATION IN THE RIVER (GODAVARI) AND GROUNDWATER OF NANDED CITY

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ABSTRACT

A study is conducted to assess the Fluoride Concentration in the River (Godavari) and Groundwater of the Nanded City, in Maharashtra, which is a prominent city of Marathwada Region. The Fluoride is responsible for many diseases ranging from simple Dental Caries Reduction to Kidney Failures and Deaths. In the City, the Fluoride was found to be in the range of 0.43 mg/L to 2.0 mg/L. While in River water it was found to be in the range of 0.23-1.76 mg/L.

It is thereby established that the River, Groundwater and even Municipal tap water in Nanded, is found to cross the permissible limits of Fluoride contamination in some seasons.

KEYWORDS: Fluoride, River, Groundwater, Water Pollution, Nanded City, Osteosclerosis, Fluorosis.