

Physico-chemical Properties of Malaprabha River

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The quality of surface water of Malaprabha river with respect to physico-chemical parameters was investigated as part of a research work for the award of Ph.D. under Visveswaraya Technological University. 25 different parameters were analyzed, during the last one year. Quality of this surface water with regard to pH, TDS, chlorides, nitrates and Dissolved Oxygen is discussed in this paper. The concentrations of pH, TDS and chlorides were found to be within the safe limits for 95% of the samples collected at the Station 1, and were found on the higher side at the Station 2. DO level was found to be 7mg/L, and more at Station 1 and varied in the range of 5 mg/L, at Station 2. This study was conducted during the year 2004 – 05. pH value for the Station 2 was found to be less than 7.0 for all the samples. Other parameters, viz. TDS, chlorides and nitrates also showed marked variations between the two Stations selected for the study.