

47. Physico-Chemical Characteristics Of Water Quality Of Bemla Dam Babulgaon, District Yavatmal.

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ABSTRACT

The Physico chemical parameter of surface water from Bemla dam of Babhulgaon Dist Yavatmal is determined during March 2012 for 20 locations . The Physico chemical parameters are pH, electrical conductance, DO, BOD, COD, TDS, total hardness, total alkalinity, turbidity; anions includes chlorides, sulphates , nitrates etc.. All the parameters are found to be within the permissible limit. The laboratory test of the collected water samples were performed for analysis of various parameters .The methods employed for the analysis as per standard methods recommended by APHA, WHO, ICMR. The obtained values are compared with the standard limits. The results of this study reveal that the physico-chemical parameters are with in the maximum permissible limit of WHO with some slight variations in some parameters. Hence, water is safe and suitable for domestic, irrigation and drinking purposes.

Keywords: Bembla dam; surface water; physico chemical parameters; water quality.