

# Assessment of Pond Water in Terms of Water Quality Index from Vashi, Navi Mumbai

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**Abstract:** *Waste water problem is a never-ending hot issue since fast growing industries in developing countries have serious impact on wastewater contamination. To know the status of water its characterization is necessary. Physio - chemical analysis of pond water samples from two different sites with respect to food stalls, boarding houses, residential colonies, laboratories and industrial area of Vashi, Navi Mumbai district were carried out for the period of one year. The samples collected were analyzed according to APHA. The Water Quality Index is determined. The aim of the present study is to assess the quality of water of ponds. Water quality index (WQI) is valuable and unique rating to depict the overall water quality status in a single term that is helpful for the selection of appropriate treatment technique to meet the concerned issues. "Water Quality Index" in a simplified format, which may be used at large and could represent the reliable picture of water quality.*

**Keywords:** Pond water sample, surface water, Water Quality, Water Quality Index

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