

Study of Physio-Chemical Parameters of Effluent from Thermal Power Plant

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Abstract: *The thermal power plant is the main source of energy for our society. In the thermal power plant huge amount of water is used for several different processes which is then discharged as a process waste. The work of present study is physio-chemical parameters of effluents from thermal power plant. The waste water sample was collected from effluent thermal power plant (koradi near Sri. Mahalaxmi mandir koradi.) Under this study the various parameters such as pH, Conductivity, TDS, TSS, DO, BOD, Chloride, Sulphate, Phosphate, Iron, Hardness, Alkalinity, and Nickel. The mean concentration of parameters is found to be beyond the permissible limits set by Indian standards set for discharge of effluent. Hence it should be closely monitored. This study clearly explains that the physicochemical parameters of effluent play a crucial role in maintaining the ecological balance and safeguarding the health of aquatic ecosystem impacted by thermal power plant operation.*

Keywords: Physical parameters, Chemical parameters, Thermal power plant waste water

