

“DESIGN OF SEWAGE TREATMENT PLANT FOR HUBLI AND NAVANAGAR”

A KSCST-SPP 35th SERIES SPONSORED PROJECT

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ABSTRACT

The 'Design of Sewage Treatment Plant (STP) for Hubli and Navanagar aims at providing better quality environment and thus improving the living conditions. The public conveniences existing in the city are not adequate to serve the slum dwellers and the economically weaker sections of the society. In the wake of poor infrastructural facilities such as water supply, sanitation, solid wastes etc, the risk of outbreak of epidemics is high due to unhealthy condition of environment. Hence the proposed design of STP for Hubli and Navanagar to be built at Gabbur, aims at minimizing the risks of epidemics and maintaining the health of the community.

The project mainly deals with the design of pipe network and hydraulic statement for one of the zones and designing the primary and secondary units for the STP using Extended Aeration Technology.

Though it aims at maintaining public health, the proposed design may exert certain adverse impact on environment if due care is not taken during the operation. So the project also takes into account, the potential environmental impacts and environmental monitoring plan.