

VISIT REPORT

OF




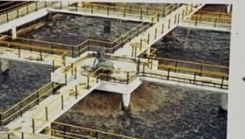
SEWAGE TREATMENT PLANT, ANJANA, SURAT.

We have visited SEWAGE TREATMENT PLANT for understanding the working of a sewage plant. Its main aim is to treat domestic waste water and to convert harmful waste to disposable hygienic waste. It collects waste from Salabatpura, Anjana, Umarwada, Limbayat, Dumbhal and Dindoli (Part) are being catered.

The primary sewage treatment plant at Anjana, with a capacity of 25 MLD and 51 MLD capacities was constructed in the year 1958 and 1984 respectively. The secondary sewage treatment plant, based on the Conventional Activated Sludge Process and with a capacity of 82.50 MLD was constructed and commissioned in the year 1996. In 2007, it has been upgraded to meet the latest sewage disposal norms of Gujarat Pollution Control Board. 0.5 MW biogas based power plant was commissioned at Anjana STP in Oct 2003, which was the 1st in its kind of in India. At Dindoli STP also, the provision is made for the 2 nos. of 0.375 MW power plants with the execution of sewage treatment plant.

SURAT MAHANAGAR SEVA SADAN
DRAINAGE DEPARTMENT

SEWAGE TREATMENT PLANT AT ANJANA
AERATION TANK

| OLD UNITS | NEW UNITS |
|---|--|
|  |  |
|  |  |
| <p>OLD PLANT</p> <ul style="list-style-type: none"> - Aeration is provided through Fixed Type Surface Aerators - Requires more power and maintenance - Requires extra Aeration Tank | <p>NEW PLANT</p> <ul style="list-style-type: none"> - Aeration is provided through Diffused Aeration - Requires 25% less power and easy to maintain. - Extra aeration tank is not required. - Saving of power to the extent of Rs.20 Lacs per annum |

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SEWAGE TREATMENT PLANT AT ANJANA
INLET / SCREEN / GRIT CHAMBER & PARSHALL FLUME

| OLD UNITS | NEW UNITS |
|--|---|
| <p>Phase - I - 1958 Phase - II - 1981</p>  | <p>2007</p>  |
|  |  |
| <p>OLD PLANT</p> <ul style="list-style-type: none"> Manual Screen Manual Gates | <p>NEW PLANT</p> <ul style="list-style-type: none"> Mechanical Screen Auto Flow Measurement Electrically Operated Gates |

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