

Algae Control for 2 MLD water reservoir at Godrej Industries Ltd. Valia (Gujrat)

Critical Issues:

The water reservoir at Godrej Industries Ltd. (GIL) Valia , capacity 2 MLD had dense Algae and also there was uncontrolled growth of algae and other microbial waste. The algae used to get carry forward towards the DM plant and the utility got affected due to it. The water in the reservoir was without any treatment and exposed to sunlight so the growth of algae was uncontrolled.

Goal:

The main goal was to control the growth of algae.

BETPL capability:

Bhavani Enviro Technologies Pvt. Ltd. (BETPL) the Exclusive Representative of M/s ICL, Israel, who are the leading manufacturers of Water & Wastewater Chemicals has many projects now in India using CDB-56 with using state-of-the-art ChloRun Dosing System for potable water disinfection applications.

The ChloRun system is easy, operator friendly and cost effective way for disinfecting water and controlling algae.

Proposal and Supply:

Based upon GIL's requirement, BETPL has proposed ChloRun dosing system to control the growth of algae and disinfecting the water. The system is easy to operate, maintain and it has many advantages over other chlorination techniques. GIL installed chloRun system initially on trial basis for three months and observed the performance of the same. On successful trial GIL then purchased the system.

BETPL supplied following items

1) Skid mounted ChloRun dosing system with 01 No. self priming mono block transfer pump and 02 Nos. electronic Dosing pumps (01 working & 01 standby).
Alongwith CDB-56(ChloRun) powder

Start up & Commissioning :

BETPL had installed the ChloRun dosing system on 09/02/2012.

Monitoring:

BETPL has deputed the technical persons to monitor the ChloRun dosing system on regular basis. During monitoring we have checked the chlorine demand of the raw water, free chlorine level in the treated water, machine operation, chemical consumption, chemical stock etc.

Observations:

During monitoring we have observed that ChloRun dosing system is working satisfactorily at GIL Valia with encouraging results, the clarity of water has improved from time to time. The growth of new algae is controlled to a great extent.

Performance:

The system with all the modifications and new model of the machine are working satisfactorily. The results achieved are also satisfactory. The feed water quality to the DM plant has improved after the installation of ChloRun.

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Bhavani Enviro Technologies Pvt. Ltd.

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WATER RESERVOIR



CHLORUN DOSING SYSTEM SIDE VIEW



CHLORUN DOSING SYSTEM FRONT VIEW



CLARITY OF WATER

