

Sthanik Swaraja Sanstha Aaple Swagat Aahe Namaskar



BioSanitizer
Eco Technology Applications
In
Waste Water Treatment

Nashik Municipal Corporation



Best initiative in Sewage Treatment with Upcoming Indian BioSanitizer Eco Technology deleting the use of Machinery and Electricity fully and in Eco friendly manner leaving no foul odour.

“National Urban Water Awards 2009”

Technology Upgradation In Sewage Treatment

- Eco Friendly
- No Machinery
- No Electricity
- No Air Pollution
- No Noise Pollution
- Only 50% Space required

Sewage Treatment Using BIOSANITIZER Eco-technology by Retrofitting



Morwadi STP Nashik



**Honeybees are
roaming
over the floating land
inside the Aeration
tank.**

**Also,
treated
sludge
smells
Like
Jeera
and
Ajwain.**



The Technology Of National Importance

- ❖ Nano technology, biotechnology, based on purely Nature activities, using No Machinery, No Electricity, No Civil Construction, cheaper than other technologies, multiple applications, swadeshi, most needed in the present days of increasing pollution, simple in application, fast speed action, can rule all over the world, can bring back the money from all the Nations, that can be utilized for giving jobs to unemployed youths, drinking water supply to villages, other necessary facilities like garbage disposal, waste water disposal, good health of citizens, organic farming etc. to support positively for “Ache Din Ane Wale Hai.”
- ❖ Only Acceptance and Leadership is required. Initiative is a Need of the Day. Positive support to “Make in India” movement. Common man & every citizen is more interested in personal safety and good hygiene. But due to water pollution, air pollution and soil pollution and pollution in every eatable, the govt. policy cannot provide the safety, so it supports “Swacha Bharat Abhiyan”.
- ❖ This can be achieved very fast with the help of this Biosanitizer eco technology a “India Skill”.
- ❖ Weak and undeveloped countries can be helped free of cost as Indian aid and on payment basis can be given to rich & developed countries with the help of Biosanitizer Eco technology.

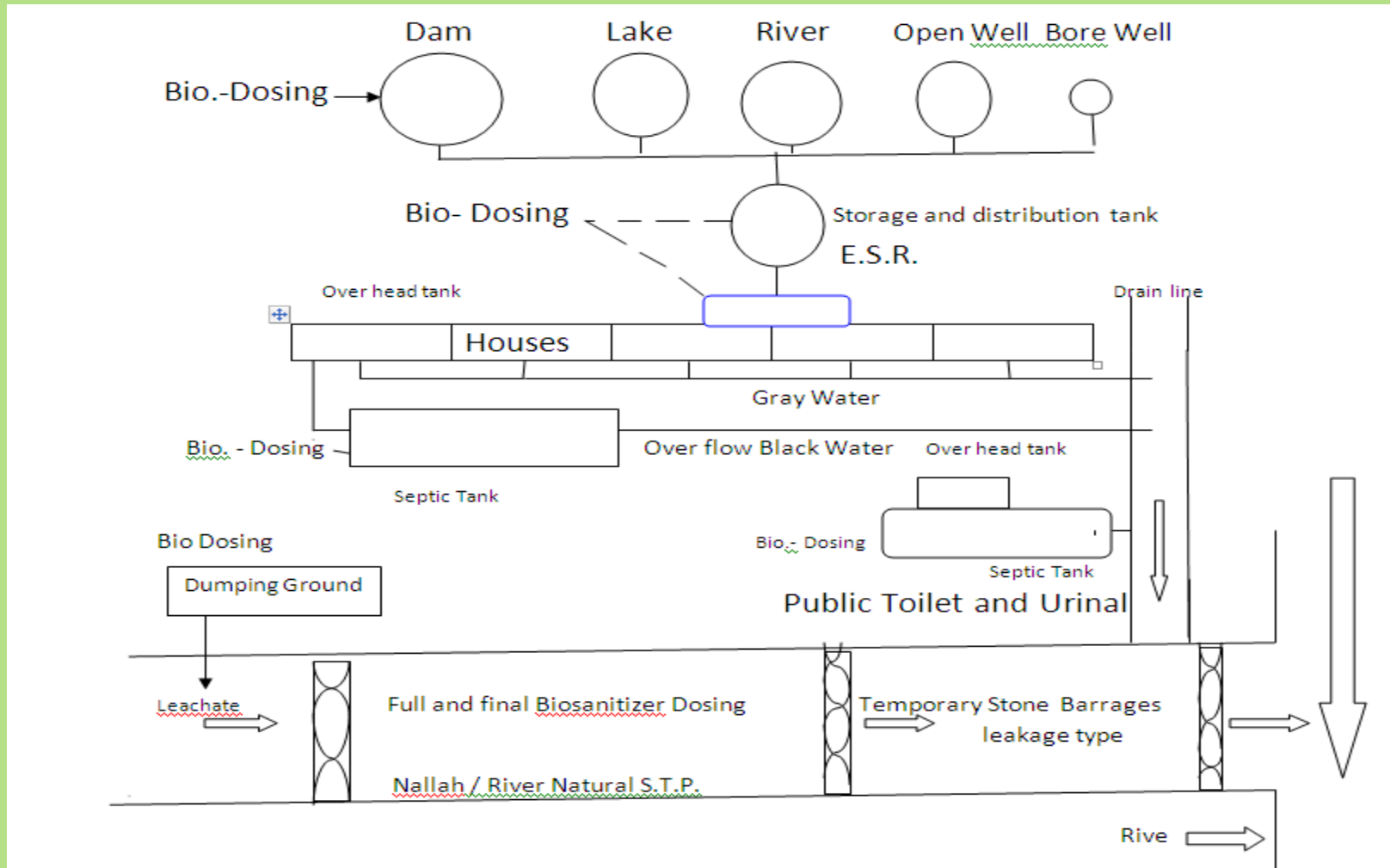
Biosanitizer Eco-Technology-

- Indigenously developed Bhartiya – Technology. BioSanitizer is a catalyst which when in contact with water produces and releases enzymes and bacteria.
- These in turn treats the waste (solid, liquid, gas, domestic and industrial)
- It is completely biological and non-toxic to be used in drinking water for purification of water. The water treated with BioSanitizer could be used for the treatment, the BioSanitizer remains as it is.
- Waste contains CO_2 and BioSanitizer splits CO_2 into C and O^- (Nascent oxygen).
- C is utilized for plant growth as plant food and O^- is utilized for treatment. Nascent oxygen is very fast in action, therefore the treatment speed is very fast.
- First stage of treatment is to neutralize the toxicity and then reduce the foul odour, And then treat the other parameter, impurities, like BOD,COD,TDS,ph, heavy metals etc.
- BioSanitizer is a catalyst, almost one time investment, being a catalyst it works for several years, when to apply where to apply and how much to apply is a technique depending upon the waste characteristic and quantity. And the biodiversity developed during the treatment process.

Natural and Green Treatment Techniques.

(Without Machinery and Electricity and Large Civil Construction)using Biosanitizer Eco technology.

Step – 1 At Source In Citu Partial Treatment Technique using Biosanitizer Ecochips.



Route Map for River Treatment and Purification

Conventional Septic tank

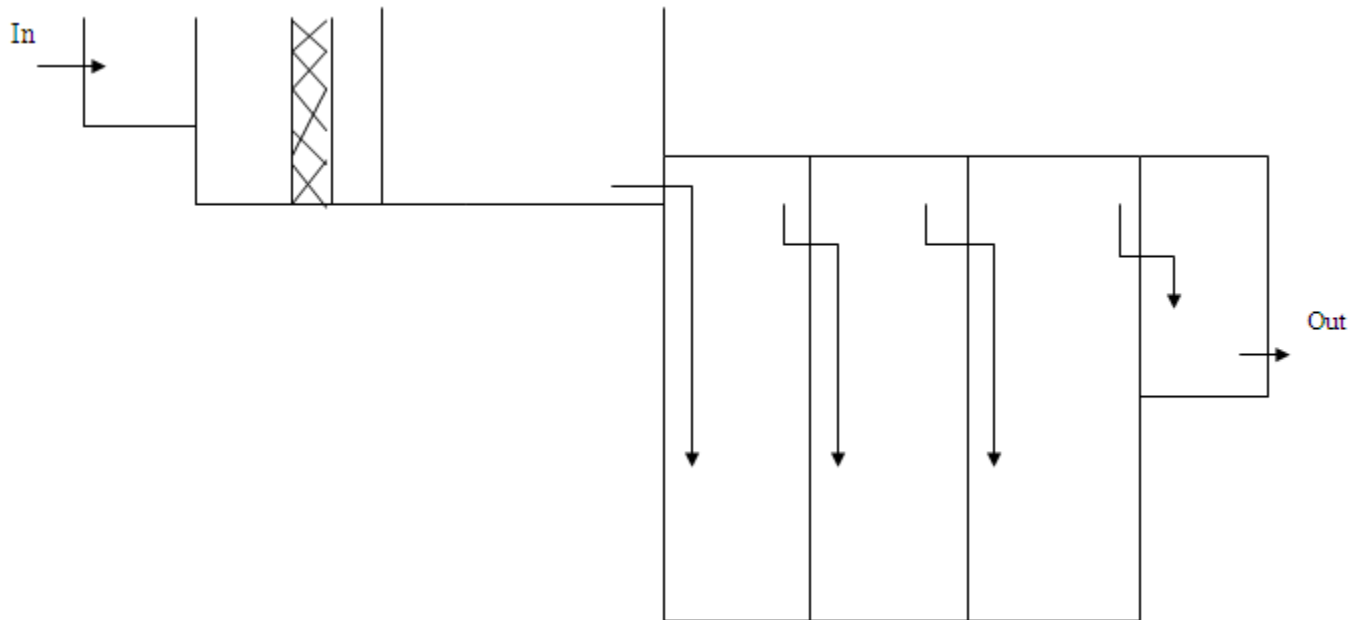
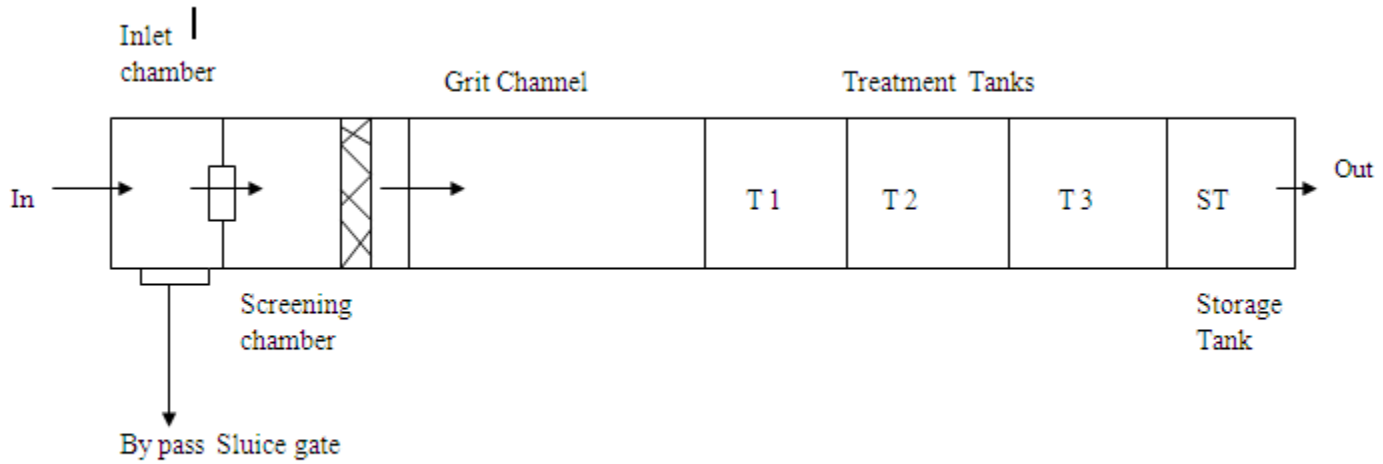
- Black water treatment /sewage treatment.
- On site treatment technique.
- Anaerobic.
- Three compartments –Two for sludge and one water.
- Overflow water needs further treatment.
- Sludge withdrawal needed occasionally.
- Partial treatment is possible.
- Foul odour/gases are released.
- Sludge after withdrawal is very dangerous and gives foul sting /odour.
- Disposal is also a problem and produces pollution.
- Mosquito breeding in water compartment.

Biosanitizer Tank

- Black water treatment /sewage treatment.
- On site treatment technique.
- Aerobic .
- Three compartments- all with mixture.
- Overflow water is treated upto 90%.
- Sludge withdrawal is not required- sludge is digested inside the tank.
- Full treatment is possible.
- Foul odour/gases are not released.
- Sludge disposal not required.
- No mosquito breeding.

BioSanitizer Technology STP

Flow Diagram:



Comparisons of Methods

Waste water treatment [Liquid waste management]

Activity	WSP Method	Biosanitizer Method
1] Treatment time period	8 day HRT.	1day HRT.
2] Construction	More land area required, More construction cost.	Less land area required, Less construction cost.
3] Side effect	Mosquito Breeding. Less Ground water Recharge.	No mosquito breeding. More Ground water Recharge.
4] Treatment quality	Poor.	Very Good.
5] Admissible liquid waste	Sullage.	Sewage.

Note- Land cost/rate is ever increasing and more in all parts of the nation. Thus, saving in land area is the maximum benefit by this technology.

Akach Dheya

Sendriya Pani

Sendriya Mati

Sendriya Hava

Sendriya Anna

Sendriya Aarogya

Sendriya Wagnuk

Sendriya Samaj



Dhanyawad