OneNature Waste Development (OWD)

<u>"Current Sanitation methods convert pollution to disaster;</u> They lead to major problems faced by society today, such as; water pollution, water scarcity, loss of soil fertility, global warming, poor economy, poor health and loss of life", stated Dr Steven Esrey & Ingvar Anderson, Water & Sanitation Council, WHO in 1999.

These methods continue to decompose (break-up) valuable elements, found in the so called waste, into foul gases & acids, even now! The gases badly pollute the air and acids badly pollute the land and sub soil water.

OneNature Waste Development (OWD) is my new Technology wherein the so called waste is recomposed and not decomposed, to resolve the said problems. OWD is an Economical, Efficient & Sustainable method for Sanitation, Water Cleaning & Harvesting and River Cleaning. The photos of a working Sewage Treatment Plant (STP) at BSF Bhondsi, near Gurgaon, near New Delhi are below;

Sewage tank



The fresh sewage is

automatically mixed and pumped onto a Bioreactor. 10% of treated clean water is recycled here to initiate the treatment.

Bioreactor



The sewage is automatically

distributed on the Bioreactor and converts to grass and clean water. It comprises a 1.5 mtr deep tank with bio-media

Treated Clean Water



In about 25 minutes this clean water is automatically pumped out of the underground tank seen behind the Bioreactor.

In OWD, inorganic waste and photosynthesis are used to neutralize and completely convert sewage to grass (vegetation) and clean water as seen above. This water can be made potable or used eg. as an excellent liquid fertilizer. Thus no foul gases, unclean water or acids are released as in other STPs.

The initial cost of this STP for 200 persons, is about Rs 10 lacs and the Operation and Maintenance (O&M) cost is about Rs 16,000 per month including labor, electricity and material. This is in an area of about 55 square meters (sqm) only of which 50 sqm, as seen above, is evergreen.

This is <u>at least 10 times economical</u>, <u>efficient</u>, <u>safer and ecological compared to alternatives</u>.

For queries and enquiries, you may please contact me;

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