INTRODUCTION

We would like to introduce ourselves as a consultant, conservationist and project planner working on Green Building Concept (water & energy conservation and waste recycling) serving in the industrial, commercial and residential sectors.

TWO TYPE OF INDUSTRY

- HUGE WATER CONSUMING INDUSTRY Like-Textile, Paper, Steel, Tannery, Chemical etc.
- ZERO WATER CONSUMING INDUSTRY
 (Consuming for daily activities)
- Every Industry having very large Rooftop and Open Surface Area. Can conserve Rainwater in huge quantity and either can reuse in their process or may recharge aquifer.
- Ex:- In one textile industry saving app. 1 carore liter (worth Rs 2 lakh) during Rainy Season.

METHOD: RAINWATER HARVESTING

- Collection in underground tanks(passing through filter)
- Collection in Bore well (passing through filter)
- Collection in Bore well (passing-through ring well& filter)
- Underground tank water can reuse in process house, flushing, Gardening, Car & Floor washing etc.
- Bore-well harvesting will increase aquifer water table, which can be use in future requirement and it will also increase agro- fertility.

SUCCESS STORY

- Saving of 1 crore liters of water during Rainy Season by RAIN WATER HARVESTING
 SYSTEM INSTALLATION in a Textile Industry.
- Due to very good quality of structure and system adopted, Rain Water without any environmental contamination can collect year to year.(App.20 year guarantee).
- Collected Rain Water using in various process of dyeing and printing of fabric and yarn since 2006.
- ➤ Rainfall app. 1800-2000 mm.

VIEW OF RAIN WATER COLLECTION PIPES















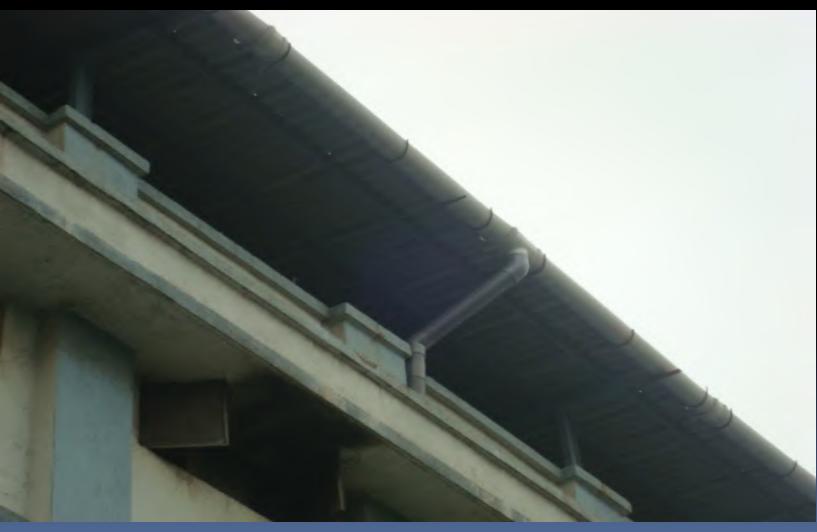






















































GREY WATER RECYCLING

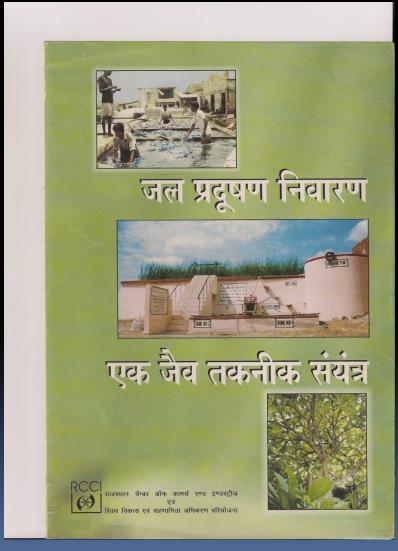
- ➤ Waste water from KITCHEN and BATHROOM is called as GREY WATER. (50% of daily consumption).
- ➤ Waste water from TOILET is called as BLACK WATER. (50% of daily consumption).
- Solution General Practice:-Grey water and Black water drained out in the municipal drain either directly or after treatment by S.T.P.
- For the second of S.T.P. treatment.

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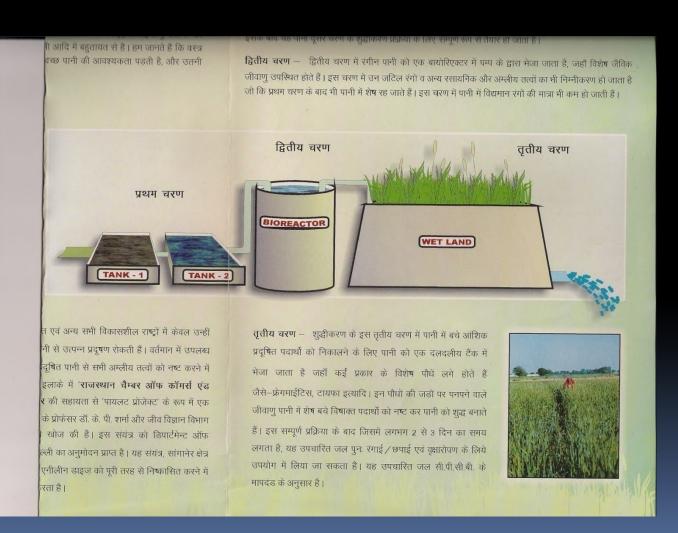
BENEFITS OF GREY WATER TREATMENT

- > Saving of 50% pure water daily.
- > 50% load reduction on S.T.P.
- > Saving of money worth 50% water cost daily.
- > Saving of 50% energy during S.T.P. process.
- ➤ Treated Grey water can reuse in toilet flushing, gardening, car washing, floor washing and any non-potable uses etc.
- ➤ During the Wetland treatment waste water decompose in the fertilizers(N & P) and fresh water comes out.
- > It is Economical, Simple and 100% Eco-friendly system.
- > Running cost is very low. In comparison to S.T.P.
- > This saved 50% water can provided for needy society or agriculture.
- Wetland technique is worldwide well known successful technique.
- > Why do you not taking initiative to adopt this technique?

WETLAND TECHNOLOGY



TEXTILE WASTE WATER/GREY WATER BIOLOGICAL TREATMENT PLANT



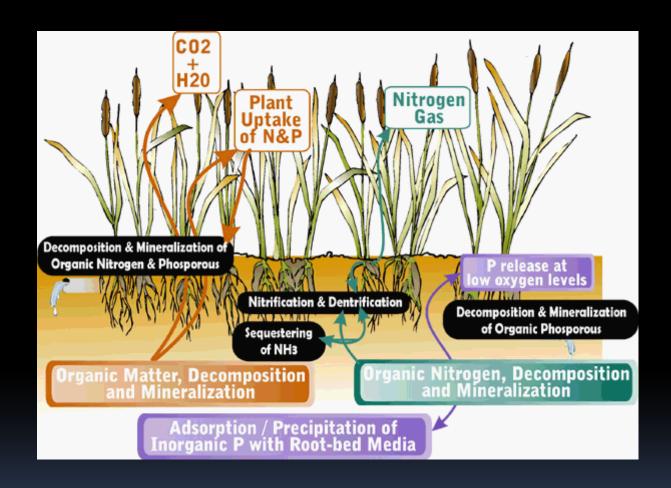
Grey water from 140 units plus storm water is treated in a400m2 reed bed for irrigation (2,500 m2)

WETLAND



GREY WATER TREATMEN -WETLAND





GREY WATER TREATMENT SHOWING DECOMPOSITION OF CHEMICALS and OTHER MATTERS

SOME NEW INNOVATIVE IDEAS TO BE INCORPORATE

New design of over head tanks to use recycled water, it will help us in the distribution of recycled and saved water due to grey water recycling, rain water harvesting, treated sewage water etc.

(saving 50%-65% every year.)

- During watering to green plants, there is no need to sprinkle water directly through pipe. Due to an innovative system of drip irrigation we can save app. 80%-90% water daily. No need of energy, it's a self operating system.
- Embedded drip irrigation system will save 80% water during watering to plants.

DRIP & SPRINKLER IRRIGATION

SHOULD MADE MENDATORY SAVE 80% WATER









DRIP & SPRINKLER IRRIGATION SHOULD MADE MENDATORY

SAVE 80% WATER





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