

# Instruction for Pond Water Purification

1. Use 10kg of Water Purifier for 100,000 liter of water.
2. 50kg of water purifier for 500,000 liter of water and 100kg for 1,000,000 liter of water.
3. Increase the use of water purifies according to the ration as shown in 1 and 2.

#### 4. Required Instruments

- a. 1 set of engine pump (with 20 meter hosepipe for suction side; 20 meter hosepipe for ejecting side)  
1 engine pump to be added for purification of each 200,000 liter of water. For 1,000,000 liter of water, 3-4 engine pumps will be required.

Stirring of water until the bottom of pond is possible, if the strongly ejecting pumps like the firefighting pumps which can be carried by 2 persons are used. It is not enough to stir the water of surface level only but it is also important stir the water by water flow.



- b. One Tank of 1,000 liter (for 100,000 ~300,000 water). Equipment may be borrowed from rental companies.
- c. Operation Procedure  
Select a clear sky or dry day. For 100,000 liter of water, 2~3 persons will be enough for operation. For 500,000 liter 6 persons and for 1,000,000 liter, 10 person and like.
  - 1) First work is to clean the pond side by Scrub with handle (Peeling off deposits). No matter the pond may become severely dirty.

- 2) Next, to fill the tank with water fully (Use of engine pump will make this work easier).
- 3) Add required quantity of water purification powder in the tank by using a cup (the quantity which can cause white turbidity in inside the tank)
- 4) Stir strongly with stick so that the powder does not remain solid.
- 5) Insert the suction mouth of the pump in the tank, switch on the pump  
And then strongly inject towards pond.
- 6) It is very important to stir the water as much as possible (Injecting mouth, if the hosepipe stuck with 3 meter of stick, it is possible to spray in the center of the pond.
- 7) Water in the tank would naturally decrease, but injecting can be continued while adding more water and powder in the tanks together by using buckets etc.
- 8) The most important thing is to spray well in the water as much as possible. Try to complete the spraying in 30-60 minutes.
- 9) After spraying the water purifying powder, fix the suction port of pump towards pond and continue stirring the water for further 1-2 hours.
- 10) Have a frequent and close look at the pond after doing the above. Suspended solids (flocs) will settle in the bottom and the pond will be converted into transparent one.
- 11) After 2 hours, some flocs will be floating. Collect the flocs by using ropes in both sides of squares and pulling the flocs with it.
- 12) Flocs may be good fertilizer if it is filled in the root of trees.
- 13) Some flocs settled in the bottom may remain there. Cleaning pump used swimming pool may be used to collect the flocs in the bottom.
- 14) Lot of water may remain inside the collected suspended solid. Solid-water separation may be made by setting a tank on the bank of the pond. By doing this water will be returned to the pond and the collected suspended solids to be disposed.  
There would not be any impact on the fishes in the water. But there are instances of choking for sticking of flocs in gills.
- 15) To be safer expensive fishes may evacuated to a tank or kept in the corner of the pond place before start of the operation a
- 16) The fishes which come up the water during operation may be evacuated properly and can be returned to the pond after the operation.

Birds and crocks may target the fishes when the water is transparent and the fishes are seen clearly after the operation. Please take appropriate measures to protect fishes from birds and crocks.

That is all about water purification in short. Our technology is be applied in 130 countries. Clean water converted from dirty may even clean the heart of a rough man.

It is expected that people and children from the neighborhood participate in the operation. Science is not so difficult. It is just your thinking that may change the environment and the heart of human being.

Notes:

There may not be expected reaction of powder if the temperature of water is below 5 degree. If the suspend solids settled in the bottom of the pond are abundant, the water may gradually be turbid again in a few days. This happens due to the change of temperature during day and night.

To solve such issues, measures should be taken to keep the pond transparent always.

If there is no worry about fishes, using 150g instead 100g per 1000lite will be more effective.

Water purification is really a very enjoyable work. You may take this opportunity of joy. There is big discount for purchase in bulk.

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