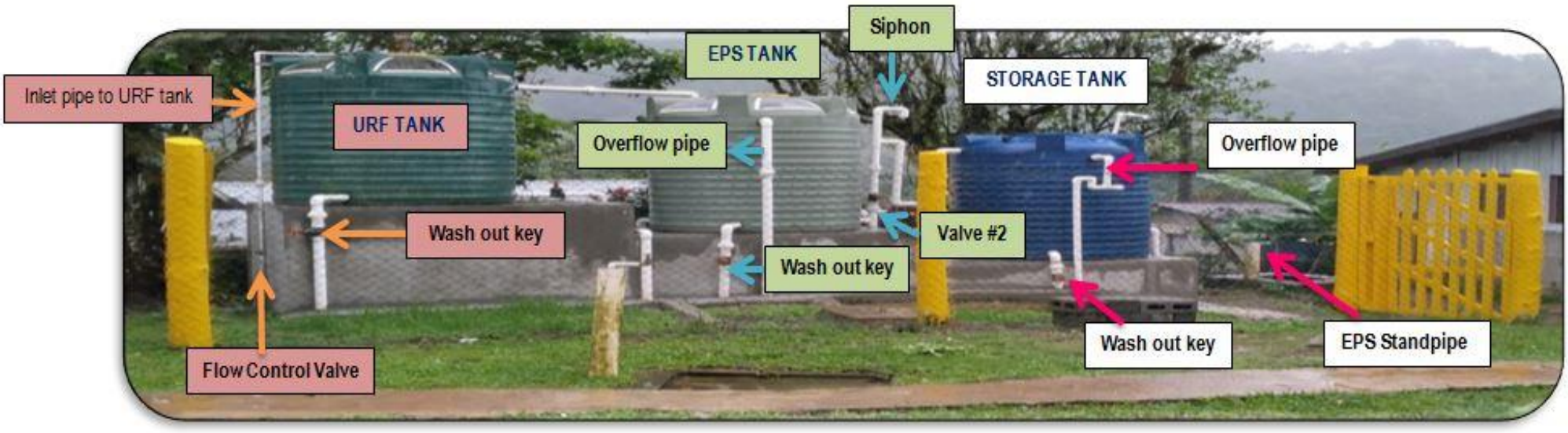
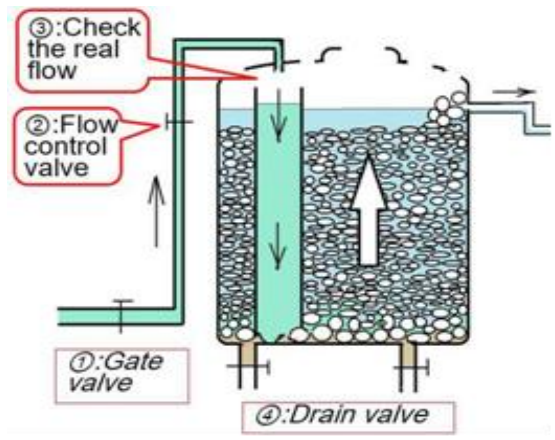
# EPS OPERATION INSTRUCTIONS




## UPFLOW ROUGHNING FILTER



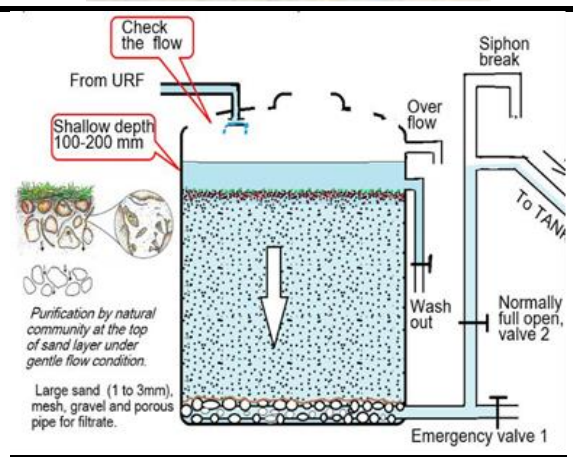

**OPERATION OF URF**

1. Gate Valve should be fully opened
2. Flow Control Valve to be set so that water flows gently
3. The setting of the Flow control valve should be determine by sighting the flow of water from the inlet pipe to the receiving 100cm pipe placed inside the URF tank.
4. Drain Valves or Washout valves are to be opened after any rain situation or after five days of no rain situation or during long rainy season. These valves to be opened and ensure that turbidity water is released and closed after seeing good water color is discharged from washout valve discharge
5. This release of turbid water needs to be repeated to other washout valve keys.

**REMOVING OF DEAD ALGAE**

1. Removal of dead floating algae to be properly removed by using scissors to cut out its ties with algae sitting at the surface of the stones.
2. The above process should be done at a fast rate to avoid small animals from migrating to other unknown ecological zones. These unknown zones can be dangerous to the useful small animals.
3. The water committee should carry out timely removals of dead algae.
4. All openings above this URF tank should be sealed with mesh netting to avoid outside contamination into the URF tank.
5. This process will be the same as cleaning algae on EPS tank.

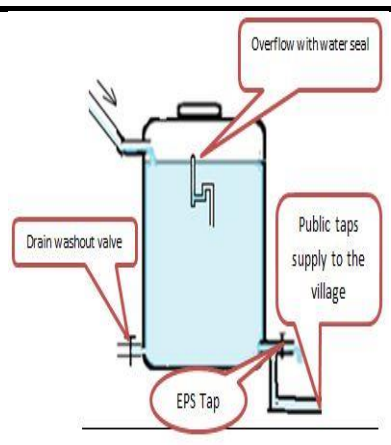
## ECOLOGICAL PURIFICATION SYTEM




**OPERATION OF EPS**

1. Ensure that the depth of water level above the sand layer must be 100mm to 200mm shallow.
2. Emergency valve 1 should be fully closed at all time.
3. Valve 2 should be fully open at all times.
4. If water blocks or stop flowing from EPS tank to storage tank, than operator should shake siphon break pipe slowly to allow air pockets to release before water continues to flow back to the storage tank.
5. Scum out pipe or wash out key to open for cleaning purpose and closed after cleaning.
6. Dead Floating algae must be removed as described above in **removal of dead algae.**

## STORAGE TANK




**OPERATION OF STORAGE TANK**

1. Drain washout valve to be closed all the time. Only open during washing of storage tank
2. Overflow pipe needs gentle flow of water to ensure fresh water is stored all the time
3. EPS taps needs to be closed when not in use and replace washers if it is found to be leaking
4. Public tap supply should always opened and ensure that delivery of water is continuous supply.
5. Community are advised to use EPS water for all purpose if water is available
6. The tank lid needs to be closed and all openings should be sealed.

DEPARTMENT OF WATER AND SEWERAGE

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