

Tips on Saving Water Consumption (www.spandane.com)

Appeal to Save Water

- 1 Water is defined in Chemistry as H₂O. Many of you may be remembering the 'practical experiment' in school for producing H₂O. All of us are aware that Man's basic needs are Food, Clothing and Shelter. However water plays pivotal role in satisfying these basic needs. One can manage to survive without food for few days but it will be extremely difficult to survive without water for a long time.
- 2 Water is required for variety of purposes such as agriculture, diluting agent, heat transfer fluid, extinguishing fire, chemical use, cooking, drinking, recreation, food processing, industrial application etc. The list is endless.
- 3 We are aware that Maharashtra is facing acute shortage of Water. Entire Maharashtra including Mumbai face water cut every year during June/July.
- 4 'Mumbaikars' at least get water as Mumbai is Financial Capital of the Nation. There are many villages in India where water is supplied by water tanker from January onwards and that too in inadequate quantity. At times ladies have to walk 3-5 kms to fetch water.
- 5 It is always easy to criticize and find fault with others. It is easy to say as to what the Government has done to solve the problem? Why the problem has not been resolved even many years after independence? It's time also to reply as to what we have done for this problem?
- 6 Why we need actors & singers for making appeal on TV, Press to save water?
- 7 Let us act positively by implementing the following tips for saving water consumption in Residence, Office and Society etc.
- 8 Of late it is said that future wars will take place for 'Water rather than for Oil.'
- 9 It is not out of place to mention that Israel receives hardly any rain but still the country has tied over this problem successfully.
- 10 Even in India similar efforts were successfully made by few social workers in Maharashtra & Rajasthan.
- 11 It is noticed that more and more population is shifting to metropolitan cities for survival and hence there is an ongoing additional pressure on infrastructure such as housing, water, electricity, sewerage, transport etc. Other side effects being increase in

pollution, deteriorating law and order situation etc. Mahatma Gandhi had a dream that villages should be made self sufficient & developed. No doubt that Government had taken steps after independence but it is obvious from current population flow to cities that measures taken by government have not yielded the desired results.

- 12 Kindly circulate this Appeal & Tips to your friends, colleagues & relatives.
- 13 Kindly update this document with new Tips.
- 14 Let us join together to **SAVE WATER**.
- 15 This compilation has been prepared to create awareness about necessity of reducing water consumption in view of unpredictable monsoon over last few years.
- 16 Additional Tips may informed by email to spandane2008@gmail.com.

A Approx. average water consumption per person per day (Household):

<u>Purpose</u>	<u>Liters</u>
Drinking & Cooking	5
Bath	20
Washing & Toilet	40
Total	65

B HOW WATER CAN BE SAVED in Residence / Office / Hotels etc.:

- 1 Water flow from Tap should be adjusted while washing hands, utensils, taking bath etc. This can save substantial quantity of water.
- 2 Tap should be turned off while brushing teeth or while shaving.
- 3 While cleaning the vessels with stored water, take help from someone to pour the water to optimize the use of water.
- 4 Disposable paper plates and glasses can be used at times for breakfast, evening snacks.
- 5 In houses with no small kids, housemaids can actually be told to wipe the floor with water alternate day or so.
- 6 While cleaning the dusty areas/ fans/ dining table/kitchen platform with wet or dry cloth, make multiple folds of the cloth, and use every clean side for wiping using both sides of the cloth. This will save washing the cloth several times and optimize use of the cloth.
- 7 Small glasses should be used for drinking water to avoid the waste of water.
- 8 Limited use should be made of flush. Flush uses more than 5 liters of water at a time. Water efficient flush should be installed.
- 9 There is a tendency to fill up the water storage tank fitted in the house in spite of

adequate water supply. The said water tank is rarely used and emptied weekly and fresh water is filled again. This waste should be avoided. Water tank can be say half filled to take care of emergency situation.

- 10 Same thing holds good for storing water required for drinking & cooking.
- 11 Overflow of water from storage tank installed in house should be avoided.
- 12 Water leakage from Tap should be repaired well in time. Washer should be replaced periodically.
- 13 Car need not be washed daily. Water sprayer / sprinklers can be used to save water.
- 14 Washing machine should be used only for full load to save water and electricity.
- 15 Water is filled twice in the washing tub in case of semi automatic washing machine. (Water is filled once for washing and once for rinsing. Then clothes are put in the dryer.) In case of washing 2 loads, rinsing water can be used for washing 2 nd load. Balance water in the tub can be used in toilet.
- 16 Clothes mainly sarees, dresses, trousers, shirts may be washed according to condition and not daily as a matter of routine.
- 17 Many people have habit of taking bath with shower or under the running tab. Self restriction should be adhered to for use of water. Low flow shower heads should be installed to save water. Shower time may be reduced.
- 18 In case of acute shortage, bath can be taken on alternate days. Sponging may be resorted to.
- 19 Do not use water while ironing clothes.
- 20 If you are Tea addict, then reduce tea consumption to save your health and water.
- 21 Kids in the house should be taught about how to use water properly. Number of water games and videos are available on internet.
- 22 Water sprayer/sprinkler should be used to water the household plants.
- 23 Garden should be watered according to need. Watering should be done in early morning hours to avoid evaporation.
- 24 Avoid Tub bath or at least bath tub should be filled half way.
- 25 Tree roots should be kept covered by soil to minimize evaporation.
- 26 Draught resistant trees may be planted.
- 27 Swimming pools plumbing should be frequently checked for leakage.
- 28 Use brooms to clean side walks, garage etc.

C HOW WATER CAN BE SAVED by Housing Society?

- 1 Society can dig borewell and this water can be supplied for use in toilet. (In fact government should make it compulsory to dig borewell depending on the number of flats in the society.)
- 2 Overflow of water from storage tanks installed on terrace should be avoided. Special ball cock should be installed.
- 3 Rain harvesting project should be implemented.
- 4 Generally there is a tendency to concrete the compound flooring for easy maintenance. If concreting is not done, then water can get absorbed in soil and borewell can have round the year water supply. This is nothing but one of the way of rain harvesting.
- 5 Society can recycle the water collected from bathrooms for watering society garden. (No doubt this will involve additional expenditure on plumbing etc. but expenditure would be recovered in due course by reduction in water bills.)
- 6 Big societies should be asked to install water purification plant for making borewell water fit for human consumption.
- 7 Garden should be watered according to need. Sprinkler system may be installed. The same should be used by proper setting to avoid water waste. Watering should be done in early morning hours to avoid evaporation.
- 8 Tree roots should be kept covered by soil to minimize evaporation.
- 9 Draught resistant trees may be planted.
- 10 Swimming pools plumbing should be frequently checked for leakage.

D OTHER MEASURES which may be taken by Municipal Corporation / Government:

- 1 Water supply to city can be regulated throughout the year.
- 2 Public authorities can initiate cleaning of wells, lakes in the city.
- 3 Old water supply pipelines from Dams should be maintained regularly. Old water supply pipelines replacement programme should be implemented. Controlling leakage from these pipelines would save water to a great extent.
- 4 Water supply to swimming pools can be discontinued during summer.

- 5 Water supply to water park can be discontinued during summer.
- 6 Water supply to Garages can be restricted.
- 7 Measures can be taken for artificial rain.
- 8 Government should initiate the project for purifying sea water as done in Arabian countries.
- 9 Height of old dams can be increased where ever possible.
- 10 Existing dams can be cleaned to increase the water storage capacity. Mud should be removed. (It is a Herculean task. If such exercise is undertaken then water can not be supplied from that dam till the mud settles down.)
- 11 Action should be initiated for building New Dams considering the future needs of the city.
- 12 Villages should be developed to reduce the flow of population to cities.
- 13 Day may not be far off when you may have to resort to use of disposable clothes as done by navy staff working in sub-marines.

New Tips for saving water:

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

