



## 24X7 Water Supply System for Ichalkaranji

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**Abstract:** 24X7 Water supply to small areas in Ichalkaranji. We are make a design of water counting meter to save water from people in Ichalkaranji. Peoples are spread water but we are set a water counting meter then they have to know real value of water by financially and they are save it. This project is not only stand for supplying defaults this stand by how we supply water and save it. The peoples are started to save water then we have storage of water to supply then we did not want to the help of other near rivers in summer due to the reason of insufficient water supply. In this case we have to storage of drinking water for supply to peoples. This idea will run 100% because every people try to save their funds. Only they will pay for how they used in their workplace then, they will save it properly.

### I. LITERATURE SURVEY

1] According to U.N. study 50% of the potable water is wasted in developing world through leakage in water supply system. Report published by M.M.Joshi, indicates that numbers of villages suffering from water crises are increased in Five Year Plans, in spite of increased financial budget from 33 crores to 2485 crores. It is observed that water crises is due to water leakage, poor maintenance, poor water management and lack of financial budget.

2] The conglomerated problem accrue huge financial expenditure on water supply system. The wastage of water is more at high-pressure. It can be reduced by appropriate water pressure as reported by O. William, A case study of water supply system in K.N.I.T. It is observed that more than 50% of total water is wasted through valve and tapes leakage. The water leakage is mainly due to high pressure and poor maintenance.

3] Scientists agree that water contained in metallic pipes rusts and is harmful to our health. If there is running water in the metallic pipe then the pipe will not be drained too soon and also the water in it will be good for the health of the citizens.

#### Problem Statement

1. Water meter reading accuracy
2. Convince to common peoples.
3. Updated and correct water meter use.

#### Problem Solution

1. Provide guaranty and warranty for water meter for 1 year from the water meter company then the company use better materials.
2. Show them benefits of water meter and how it works trials and answer of their queries then the common peoples are use with happy mindset.
3. Give the contract of water meter to a reputed company of water meter. Then they use best quality of material for their reputation and they provide better quality of service too.

### II. TECHNICAL CONTENT/ MAIN PART OF PROJECT

#### 2.1 Details of front End Project

The goal of this initiative / project is to provide water at Ichalkaranji for the convenience of women.

The advantages of this initiative are that women will be able to meet their needs on time. So, they will not have to take time off from their work place and their work will be complete on time.

If it is decided that water is available at right time, water will be available to women as well as many citizens of Ichalkaranji according to their time.

#### 2.2 Details of back End Project

By water providing water meters, citizens will avoid misuse of water, which will increase the supply of drinking water. As much water will be used as needed.

Conducting workshops or information camps for details on

1. How to use water meter
2. What are advantages of water meter.
3. What is future need in our city.

Checking the results after installing the water meter. At Ichalkaranji, water reserves are increasing day by day.

#### 2.3 Connection between front end and back end, Entire details.....

A news report from Ichalkaranji revealed that 50 to 60 percent of the water supply in Ichalkaranji is again mixed with sewage.

In this way, potable water was wasted in the gutters. If citizens have to pay for potable water, then they will start saving water. And we can use high quality water meters to measure the amount of water.

### III.IMPLEMENTATION

#### 3.1Implementation Screenshot/Snaps



##### 3.1.1 Sub point

- What the need of water meter.
- Save Water Save Life

##### 3.2 Output

We will have water storage in future. If we have water storage then we supply it to citizens and citizens are didn't waste drinking water because they pay.

##### 3.3 System testing and Test result

- Accuracy of water meter.
- It works properly is check by close all the traps properly then check the test 1.
- Close all traps properly and then turn on one trap with measuring instrument of bottle and check the test 2.

### IV.LIMITATIONS AND CONCLUSION

#### 4.1 Applications

- Save Water Save Life
- Follow the sentence rule with government helps.

#### 4.2 Limitations

- Set water meter limits for change meter.
- Set water charges in limited manner.

#### 4.3 Future Work

- Keep check water meter by respected persons.
- Government officers are keep check while they go for readings.

### **V.CONCLUSION**

- We can provide 24X7 Water in the small areas in Ichalkaranji. With the help of government and local persons.

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