DC – 0761-2678381(O)/ 2624580 (R), EO/AO/FO – 2678390, Fax – 0761-2678369
केन्द्रीय विद्यालय संगठन
Kendriya Vidyalaya Sangathan
जबलपुर सम्भाग : जी०सी०एफ० इस्टेट , सांईस कॉलेज के पीछे,
जबलपुर – 482 011 (म०प्र०)
Jabalpur Region :: GCF Estate, Behind Science College, Jabalpur – 482 011 (MP)
(URL: www.kvsrojabalpur.org :: E-Mail: acjabalpur@gmail.com,
kvsacadjbp@gmail.com

फा०क्र.: 22029/केविसं./क्षे०का०(जबल०)/2019-20/शैक्षिक 15028-077 दिनांक: 05.09.2019
केवल ई–मेल

प्रति,

प्राचार्य
समस्त केन्द्रीय विद्यालय
अधीनस्थ जबलपुर संभाग

विषयः पुस्तिकाः-मैं हर दिन 1 लीटर पानी कैसे बचा सकता हूं ? **के संबंध में।**

संदर्भः केविसं(मु0), नई दिल्ली के पत्रांकः F.11029/64-1/2019/KVS(HQ)/Acad/Misc. Matter/7310-7335, दिनांकः 28.08.2019

महोदया / महोदय

उपर्युक्त संदर्भित विषयांतर्गत लेख है कि केन्द्रीय विद्यालय संगठन (मु0), नई दिल्ली से "पुस्तिकाः मैं हर दिन 1 लीटर पानी कैसे बचा सकता हूं ? विषयक एक पत्रांक दिनांकः 28 / 08 / .2019 (संलग्न) प्राप्त हुआ है जो कि मूलतः आपको इस आशय के साथ प्रेषित की जा रही है कि आप इस पत्र में उल्लेखित दिशा–निर्देशों एवं नियमों का सावधानी पूर्वक अवलोकन करें एवं उनका अनुपालन करना सुनिष्चित करें ।

साथ ही आपसे अनुरोध है कि संलग्न पुस्तिका में दी गई जल संरक्षण गतिविधियों का संपादन एवं छात्रों को जल संरक्षण के लिए जागरुक करने हेतु आपश्यक मार्गदर्शन देना सुनिश्चित करें।

पत्र आपकी ओर अग्रिम एवं आवश्यक कार्यवाई हेतु प्रेषित है।

भवदीय

शाहिदा
(शहिदा परवीन)
सहायक आयुक्त

संलग्नकः यथोपरि।

Jabalpur Region :: GCF Estate, Behind Science College, Jabalpur
...ojabalpur.org :: E-Mail: acjabalpur@gmail.com, kvsacadjbp@gmail.com
Fax - 0761-2678369

केन्द्रीय विद्यालय संगठन/KENDRIYA VIDYALAYA SANGATHAN
(Min. of HRD, Deptt. of Education, Govt. of India)
18-संस्थागत क्षेत्र/18-Institutional Area
शहीद जीत सिंह मार्ग /Shaheed Jeet Singh Marg
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F.11029/64-1/2019/KVS(HQ)/Acad/Misc Matter/7310-7335 दिनाँक: 28.08.19

The Deputy Commissioner
Kendriya Vidyalaya Sangathan
All Regional Office

Sub:- Booklet on: How I am going to save 01 Litre water every Day ?-reg

Madam/Sir,

With reference to above mentioned subject please find enclosed a Booklet on: How I am going to save 1 Litre water every day.

During the function held in Kendriya Vidyalaya No 2 Delhi Cantt, on 09th August 2019, the Hon'ble Minister of Human Resource Development, launched the Booklet on "Samagra Shiksha Jal Suraksha" as regards ' How I am going to save 1 litre water every day".

Under the **"Samagra Shiksha Jal Suraksha"** campaign, every student may be motivated and helped to save at least 01 Litre of water every day. The students may carry out the water conservation activities listed in the booklet through ECO-CLUBS.

It is requested that direction may be issued to all Kendriya Vidyalayas under your jurisdiction to carry out water conservation activities given in the booklet and sensitize the students to conserve water.

Yours faithfully
28/8/19
(Piya Thakur)
Deputy Commissioner(Acad)

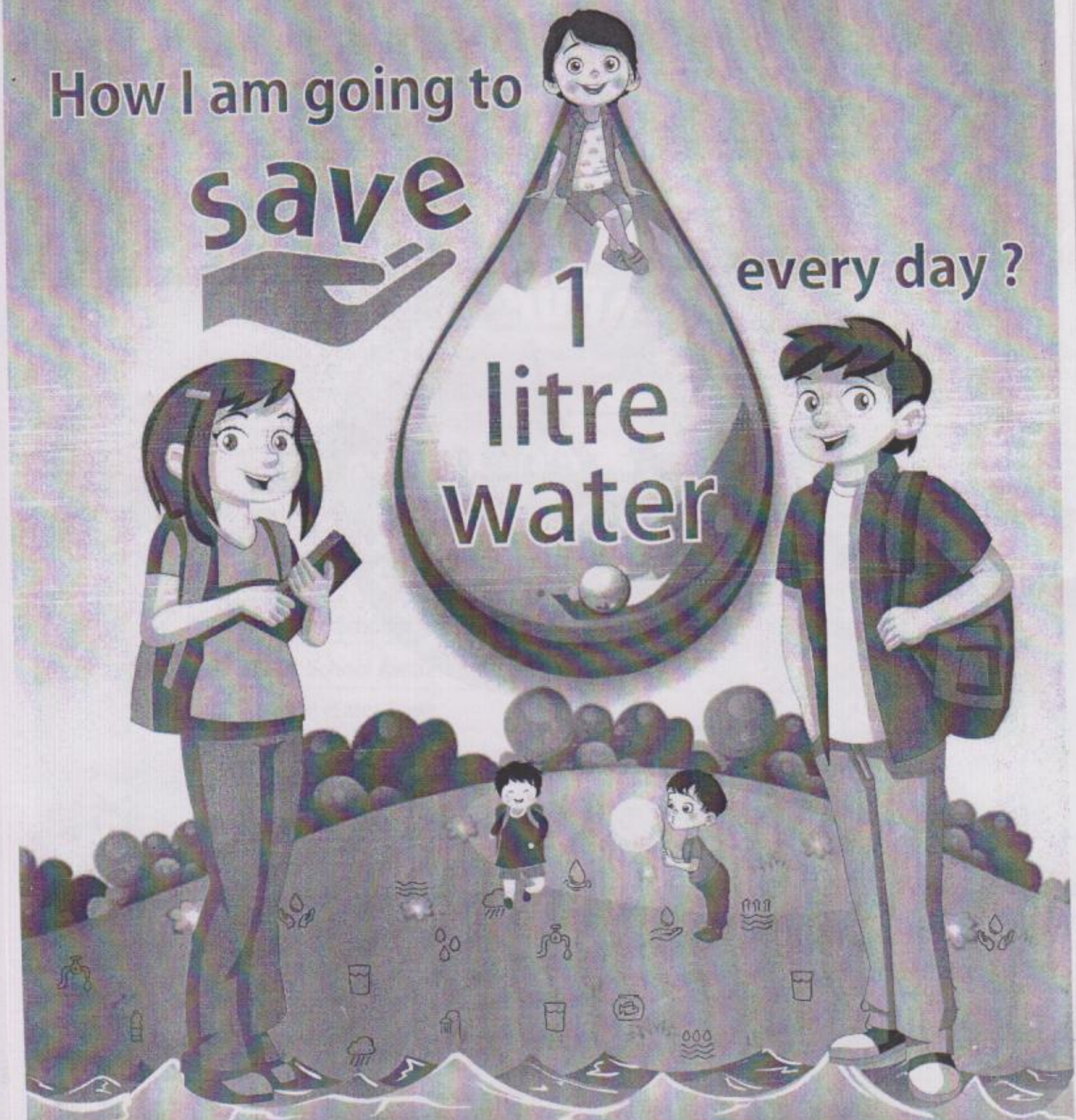
Encl:-Booklet

केन्द्रीय विद्यालय संगठन जबलपुर सं...
डायरी क्र. 135
दिनांक 4/9/19
Neetu
डायरीकर्ता हस्ताक्षर

सत्यमेव जयते

Government of India
Ministry of Human Resource Development (MHRD)
Department of School Education and Literacy

How I am going to save 1 litre water every day ?

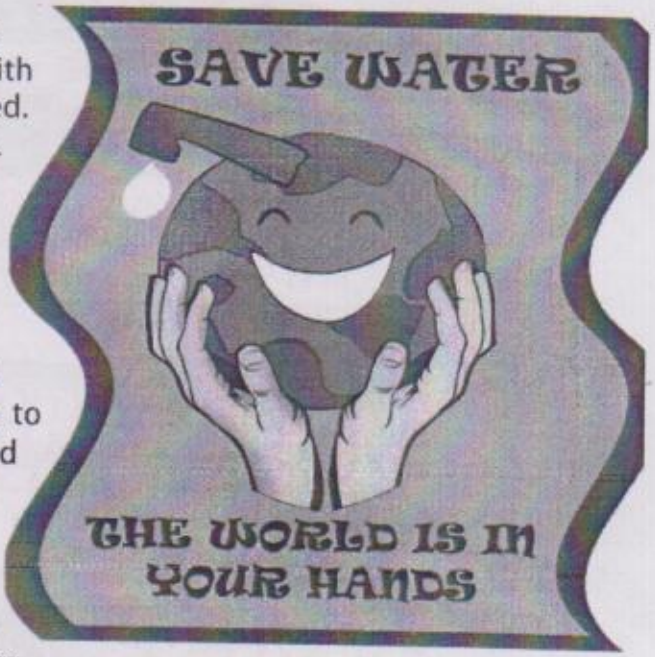


Samagra Shiksha Jal Suraksha

INDEX

A WORD ON WATER

1. Introduction



Water is the most essential element for the existence of life. The story of life begins with water. Water is sacred and is worshipped. Water is the cradle of many civilizations. India has 17 percent of the world`s population and four percent of world`s freshwater resources ranking it among the top ten water rich countries. However, heavy dependence on groundwater, years of deficient rains and disproportionate demand for water due to rapid population increase, urbanization and industrialization have put considerable stress on water management.

Water is one of the most stressed resources on our planet. Almost 600 million people face high to extreme water stress in India. By 2025, more than 2.8 billion people living in 48 countries will face water stress or water scarcity (United Nations Population Projection). Severe pollution of surface water resources (rivers, lakes and wells), depletion and contamination of ground water, recurring droughts, large scale mismanagement of water and waste water - all these have combined to lead a situation where experts have begun warning of imminent `wars over water`.

2. Objectives

i) To educate Students to learn about conservation of water

ii) To sensitize Students about the impact of scarcity of water

iii) To empower Students to learn to protect the natural sources of water

iv) To help every Student to save at least one litre of water per day

v) To encourage Students towards judicious use and minimum wastage of water at home and School level

3. Need

i) Students learn that water conservation can positively affect the reliability of our water supply during periods of high demand (such as the summer months) and during droughts.

ii) Students also learn that implementation of a water conservation education program discourages wasteful water use at all times and discourages non-essential water use during droughts

iii) Students are aware that during droughts, such a program can encourage community to respond to water shortages early and thus avoid the need for more extreme measures later.

4. Water Conservation

Water is one of the five natural elements of the earth which plays a crucial role in shaping the lives of human beings. Clean water is critical to survival, and its absence can impact the health, food security and livelihood of families across the world. The right to water is really the right to life and livelihood. Hence, water conservation becomes an imperative need for everyone to save and conserve water in our day-to-day lives.

5. Water & Sustainable Development Goals

Water conservation activities will directly promote and contribute to various sustainable development goals. SDG 6 promotes clean water and sanitation thereby ensuring availability and sustainable management of water and sanitation for all.

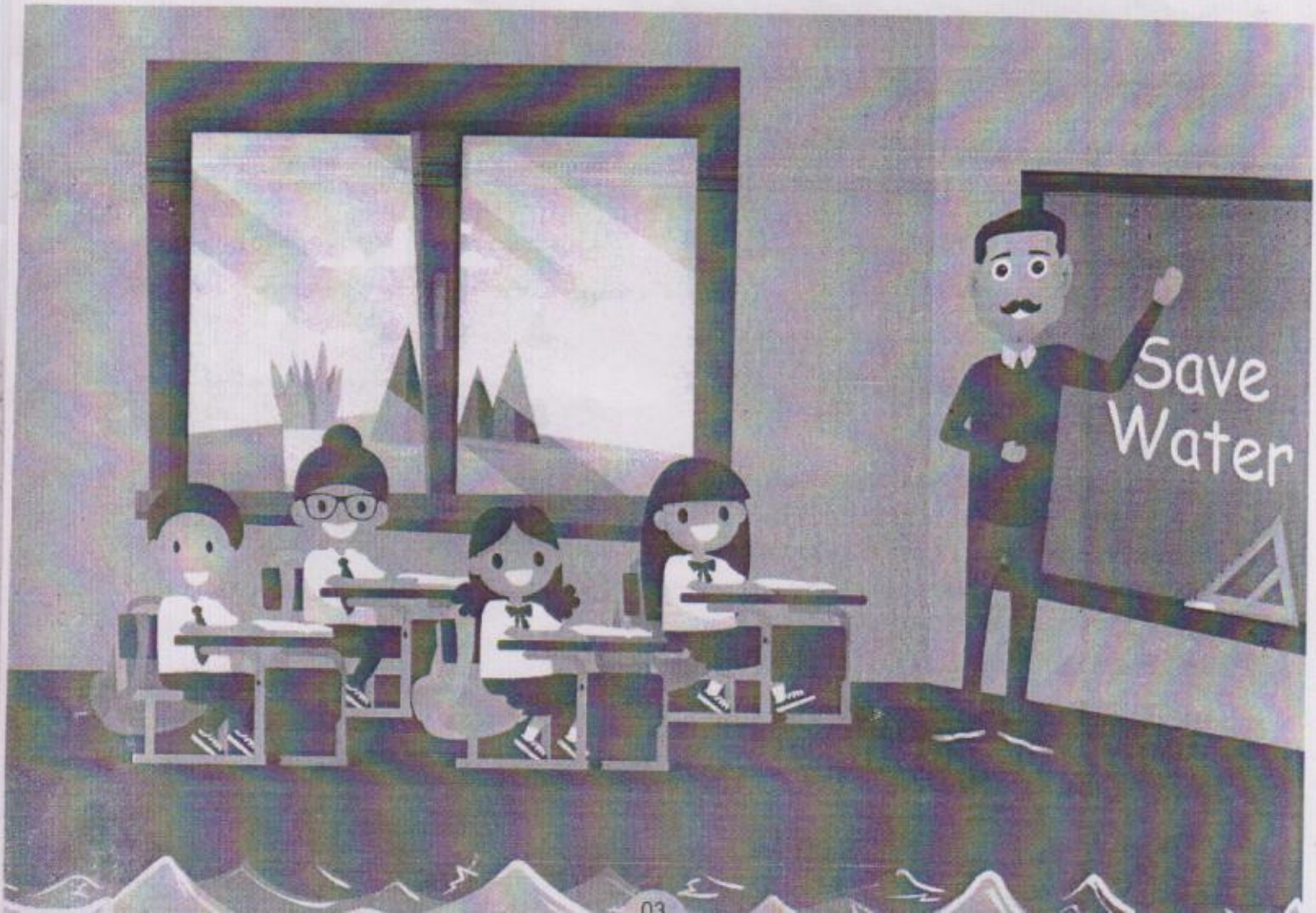
SDG 14 promotes life below water for the conservation and sustainable use of oceans, seas and marine eco-systems.

6. Samagra Shiksha Jal Suraksha

Inspired by the Hon`ble Prime Minister`s impetus on Jal Sanchay, Government of India has launched the Jal Shakti Abhiyan (JSA) to revive India`s system of water conservation and efficient irrigation. Jal Shakti Abhiyan (JSA) is a time bound campaign with a mission mode approach.

This concept of water conservation is essential for students so that they can understand the importance of water and how it is shaping their lives meaningfully, thereby enabling them to participate in water conservation activities in their day to day lives.

The Department of School Education & Literacy, Ministry of Human Resource Development has launched the Samagra Shiksha Jal Suraksha to promote water conservation activities for School students, so that they can become competent, conscientious and committed water citizens of our nation.



7. Water Pledge

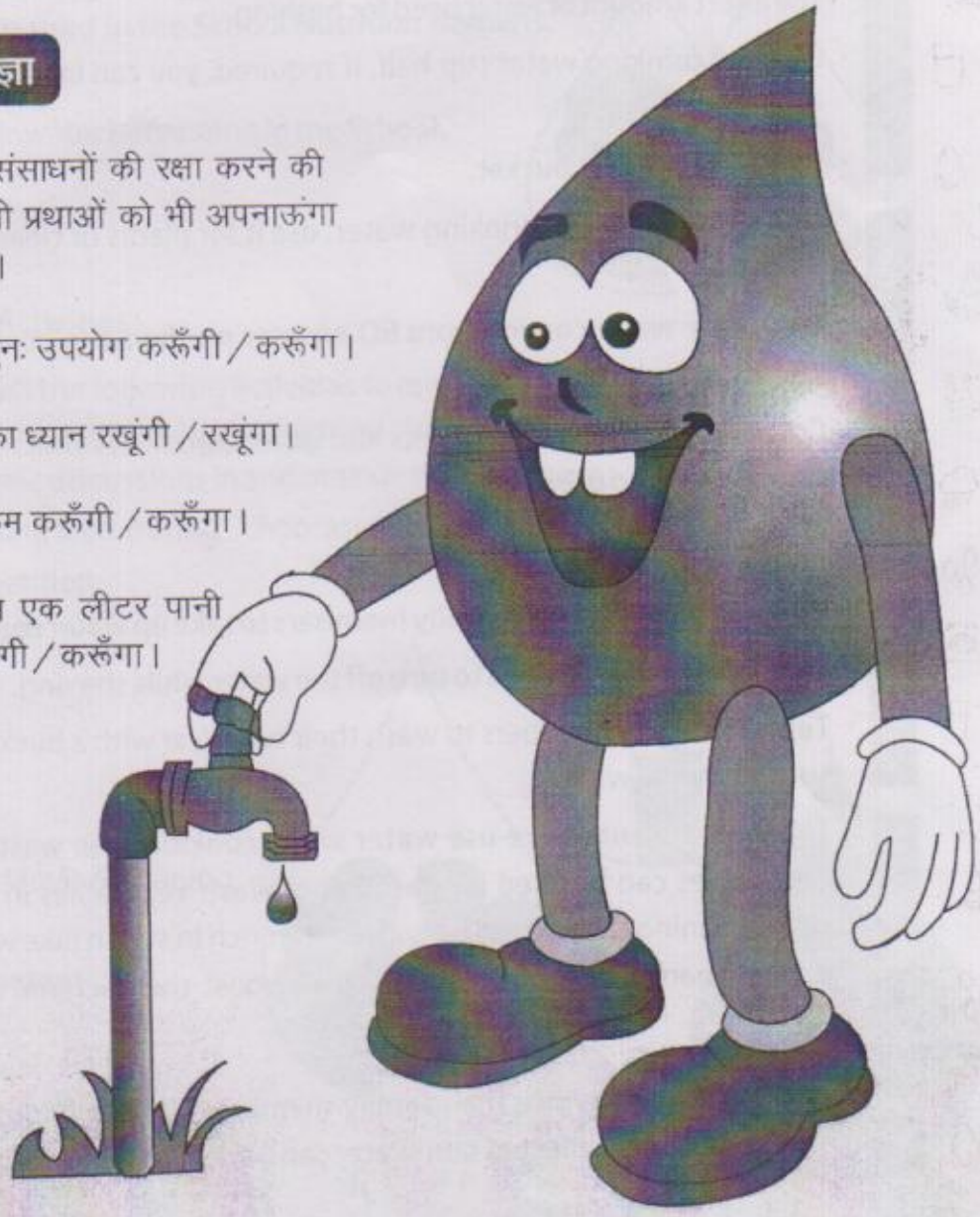
I shall do my best to conserve water and protect its resources. I shall also adopt such practices that would minimize wastage:

1. I shall reuse water wherever I can.
2. I shall take care to clean up the environment.
3. I shall reduce the wastage of water.
4. I shall conserve at least one litre of water every day.

7. जल प्रतिज्ञा

मैं जल संरक्षण और इसके संसाधनों की रक्षा करने की पूरी कोशिश करूंगा। मैं ऐसी प्रथाओं को भी अपनाऊंगा जो अपव्यय को कम करेगी।

1. यथासंभव, मैं पानी का पुनः उपयोग करूँगी / करूँगा।
2. मैं पर्यावरण की सफाई का ध्यान रखूंगी / रखूंगा।
3. मैं पानी की बर्बादी को कम करूँगी / करूँगा।
4. मैं प्रतिदिन कम से कम एक लीटर पानी का संरक्षण जरूर करूँगी / करूँगा।



8. Suggested Water Conservation Activities

8.1. At Home

Reduce

- **Cleaning and hygiene - Morning activities** - brushing teeth (use a mug instead of running water), flushing the toilets (use dual flush or pour flush as they use half the water than single flush systems) and washing of hands and face (collect the grey waste water from sink and use it for gardening etc.).

- **Promoting Bucket usage for bathing instead of taking a shower**

  On an average, shower water consumes 25 litres of water and the bucket usage will lessen the water consumption thereby giving the exact amount of water used for bathing.

- Fill your drinking water cup half. If required, you can take more water.
- Wash clothes with bucket.

Re-Use

- Don`t throw out old drinking water; use it for plants or cleaning etc.

- The waste water coming from RO`s/water purifiers can be used for kitchen gardens

Recycle

- Collect rainwater using buckets and other containers which can be recycled and used.

8.1.1 Students may motivate family members to take up water conservation activities

Reduce

- Tell your family members to turn off the water while shaving.
- Tell your family members to wash their bikes/car with a bucket and a rag, instead of using running water.

Re-Use

Tell your parents to re-use water while cooking: The waste water from washing vegetables can be used for gardening. Wash vegetables in a container instead of using running tap water. The wastewater rich in starch (like washing of rice etc.) and other organic content can be used to boost the bacterial activity in composting process.

Recycle

Students can convince their family members to install Roof-top water harvesting structure where collected rain-water can be recycled and used for consumption.

8.2 At School

Reduce

- Identify leaking taps in the School and get them fixed.
- Close taps properly after use.
- Plant indigenous variety of plants that require less water.
- Water plants using drip method. For example, using the old plastic bottle with the holes on the bottle cap will reduce the water usage while watering plants.

Re-Use

- Store the left over water and use it for gardening.
- Water used to wash vegetables, rice and dal for the MDM Kitchen may be re-used in the School Nutrition Gardens.

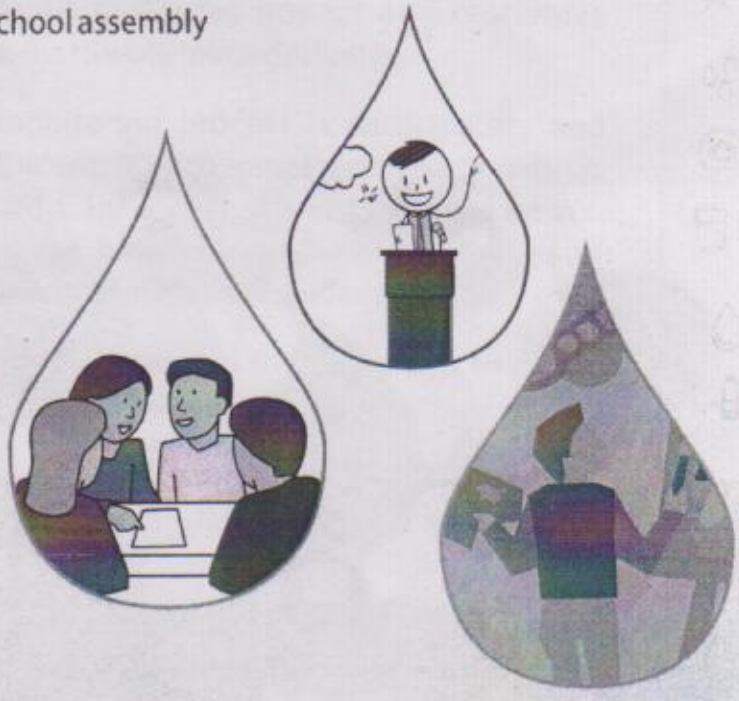
Recycle

- Set up rooftop rainwater harvesting in the School.

8.3 School Awareness Activities

Schools may conduct the following activities to engage students in individual/group efforts towards sensitization on protection and conservation of water.

- Thematic scientific discussions in and outside the classroom.
- Sharing interesting facts during School assembly
- Elocution competition
- Extempore speech
- Poster making
- Debate
- Slogan writing
- Quiz
- Environmental Movie Screening
- Role play
- Audio-Visual content
- Rally
- Story Telling
- Nukkad Natak



9. School Water Audit

The School can conduct a Water Audit to study and understand the water usage and plan for better conservation techniques.

The Water Audit can comprise the following tasks:

Task 1: Choose your Water Audit Team

The water audit team could consist of one teacher (science or social science); some helping staff along with 5-10 enthusiastic students

Task 2: How much water does your School use?

Task 3: What are the sources, supply and storage of water in your School?

Task 4: What are the water conservation practices followed in your School?

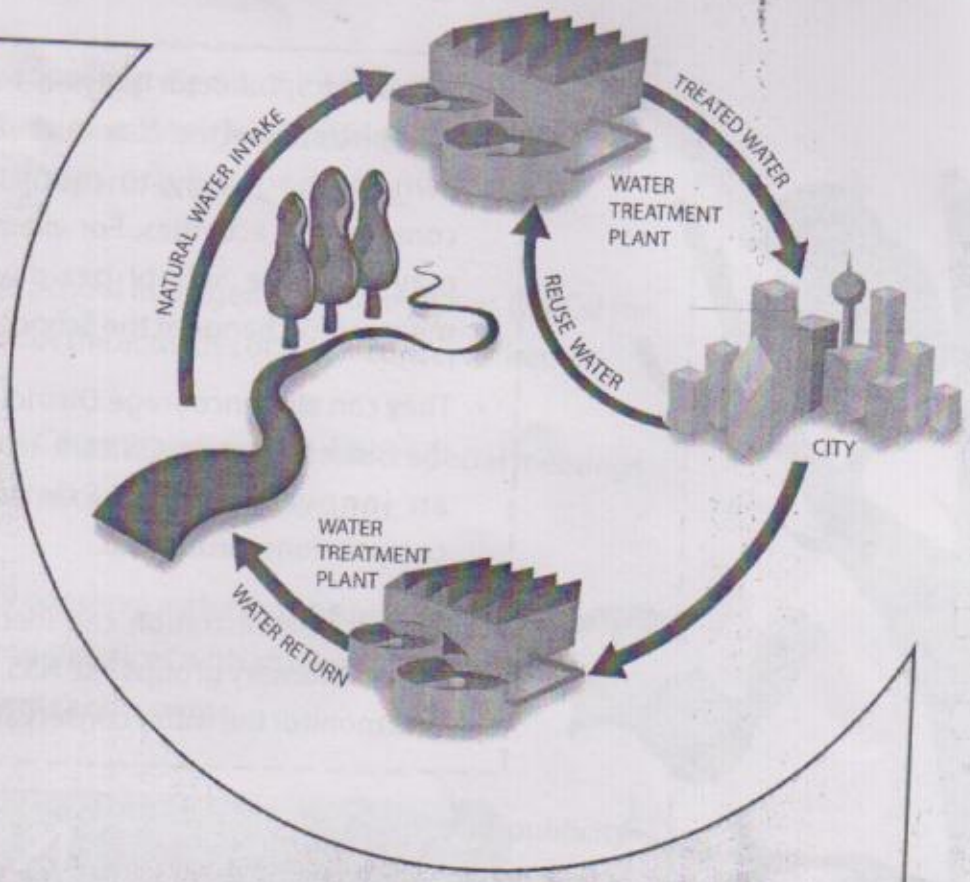
Task 5: Does your School harvest rainwater?

Task 6: Are the plumbing and sanitation facilities in your School adequate?

Task 7: Does your School reuse/recycle waste water?

Task 8: Does your School reuse the treated wastewater?

EFFECTIVE WAYS TO
SAVE WATER



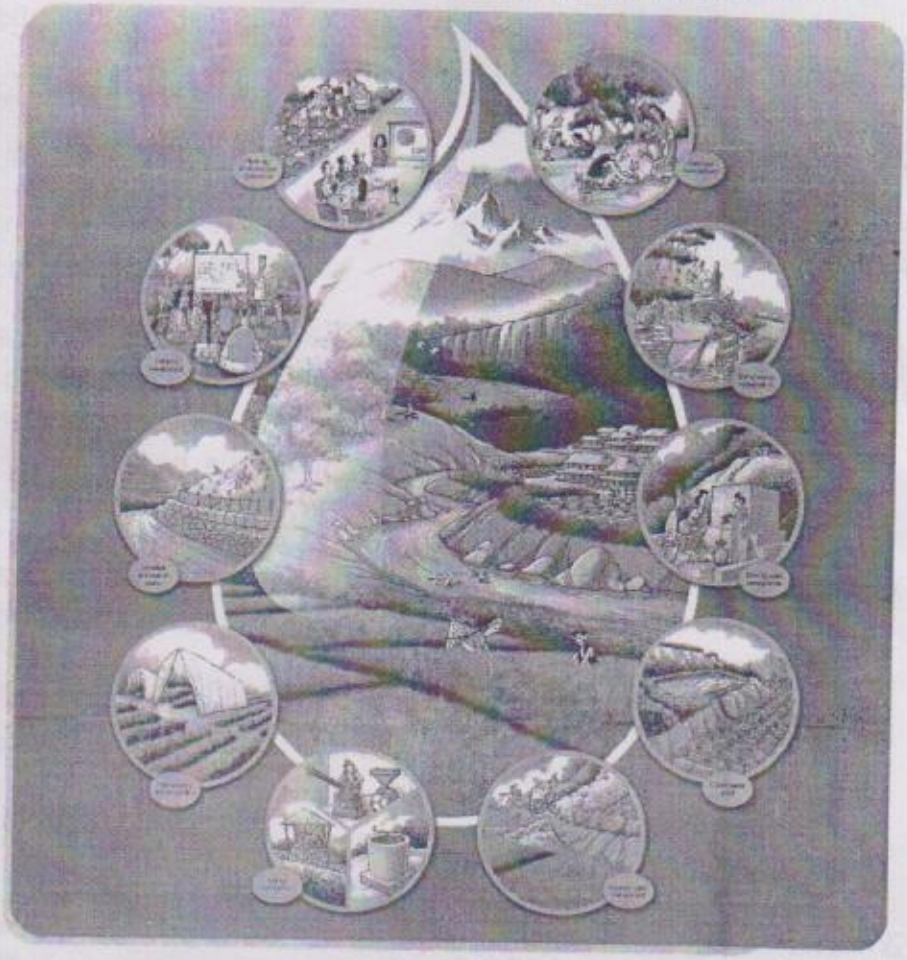
9.1 Benefits of Water Auditing in School

- The Audit measures impact and motivates students to work towards change.
- The monitoring process is participatory and transparent. It encourages teachers to convert the audit into assignments for students. The initiative based tasks also test the skills of communication and analysis of students.
- It helps Schools record their available resources and trains students to collect information systematically to feed the analysis process.
- The analysis of post audit information can be used by a network of Schools or by the city or State Government to do a comparative evaluation so that best practices can be shared.
- The audit equips School managements to skillfully manage their available resources for optimum utilization.

Source: Be Water Wise - GSP Manual for water audit by Centre for Science & Environment

10. Monitoring

- The District Collector plays a major role in the total administration of the district. He/She can formulate their own methodology to monitor the School water conservation activities. For example, District Collectors may visit one School per day which can create a meaningful change at the School and community level.
- They can also encourage District Education Officers and the Block Education Officers, to oversee the progress in an innovative way. For example, block wise competitions can be held.
- District administration can identify reputed NGOs and other voluntary groups like NSS, NYKS who can promote and monitor the water conservation activities.



11. Awareness Generation

- Information, Education and Communication (IEC) materials in digital and print formin local languages can be circulated to the districts by the State Departments of Education.

- Schools can involve School Management Committees (SMCs) for sensitizing them about the activities of water conservation.

- School Management Committees, may conduct special meetings with emphasis on water conservation measures.

- Parents who actively conserve water may be invited to the School for sharing their good practices with students. This may thereby motivate more students and parents.

- The local newspapers, local TV, community radios and publicity outlets may be used for sensitizing the community on water conservation activities carried out at School level.

- Jan Andolan activities can be planned on a monthly basis by the District Education Officers. These activities can be arranged according to the local event calendars for the mass gathering.

- Schools can collaborate with local NGOs and well known environmentalists for water conservation awareness at the community and School level.

- Block level co-ordinators can be assigned to collect pictures/videos which can be shared in a separate social media page for Samagra Shiksha Jal Suraksha district wise. For example, Schools can see the existing Samagra Shiksha Jal Suraksha social media handles in Twitter and Facebook which can be emulated. This should be done by teachers only.

12. Resources

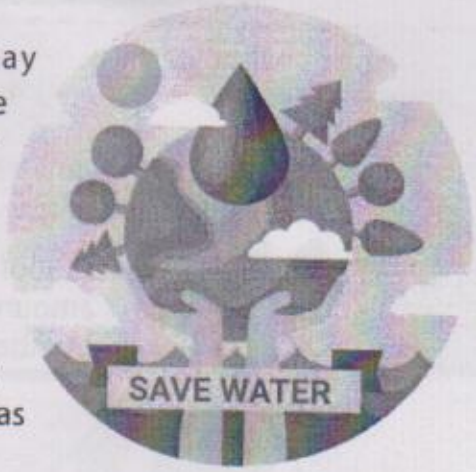
- District administration may plan to utilize the District Mineral Foundation Trust (DMFT), Special Central Assistance (SCA) and other untied funds for the Schools.
- Districts may involve civil society organizations and corporate social responsibility funds.
- Also, funds available under the broader umbrella of Eco clubs in Schools and School Nutrition Gardens can be utilized judiciously for activities of water conservation at School level.
- The funds allocated under National Green Corps (NGC) can be utilized innovatively by the Schools.

- To construct water harvesting pits, levelling of lands for gardening etc. funds allocated under Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) can be utilized.

- Schools can represent their water conservation needs such as rooftop rainwater harvesting structure, maintenance of water tanks, trench drain system, etc. under Gram Panchayat Development Plan (GPDP) during the Gram Sabhas.

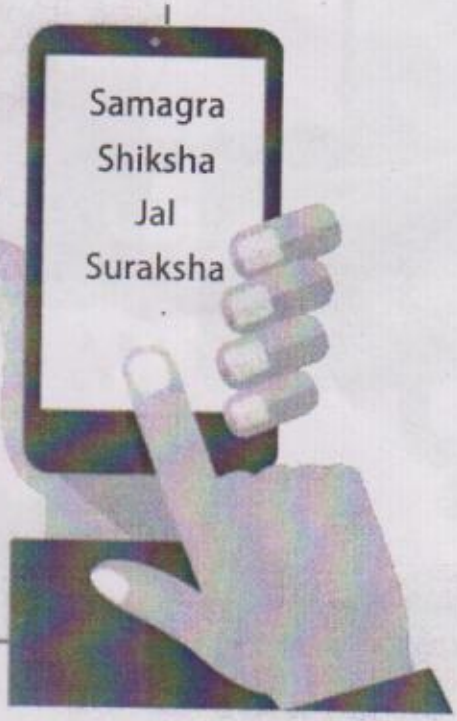
13. Reporting

- During School attendance, each student may announce the amount of water saved during the previous day. For example: `3 litres`, instead of simply saying 'present'
- During School assembly, identified students can share their good water conservation practice
- School galleries or notice board in a classroom can be given a space where a student can portray his ideas of water conservation in a creative spirit.

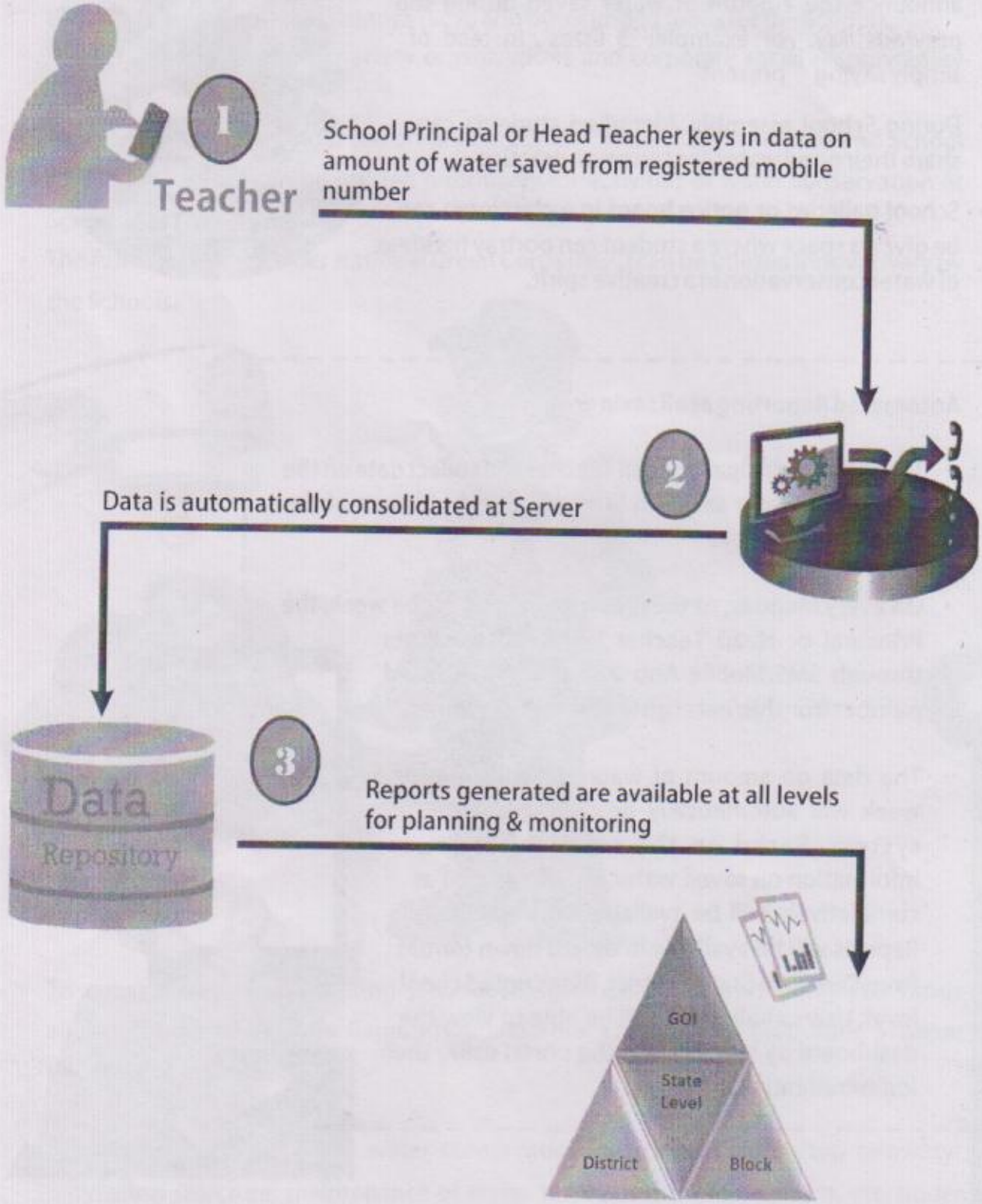


Automated Reporting of all savings

- The School Principal or Head Teacher will collect data on the amount of water saved in litres by all the children of the School in one week.
- On every Monday, or the first working day of the week, the Principal or Head Teacher will send this data through SMS/Mobile App to a predefined/fixed number from his/her registered mobile number.
- The data on amount of water saved during the week will automatically be collated in the system. Based on the collected data, information on saved water, weekly as well as cumulatively will be available on a dashboard. Reports will be available in drilled down format from Centre to State, District, Block upto School level. Users at all levels will be able to view the dashboard by logging into the portal using their login credentials.



Making School as the basic unit for information flow & monitoring



14. Water - Warriors Recognition

- Best States and UTs will be awarded for visible change and awareness generation.
- States and UTs may facilitate best districts, best Schools and best Students and they also may be awarded with water-smart certificate.
- States and UTs can conduct thematic contests like

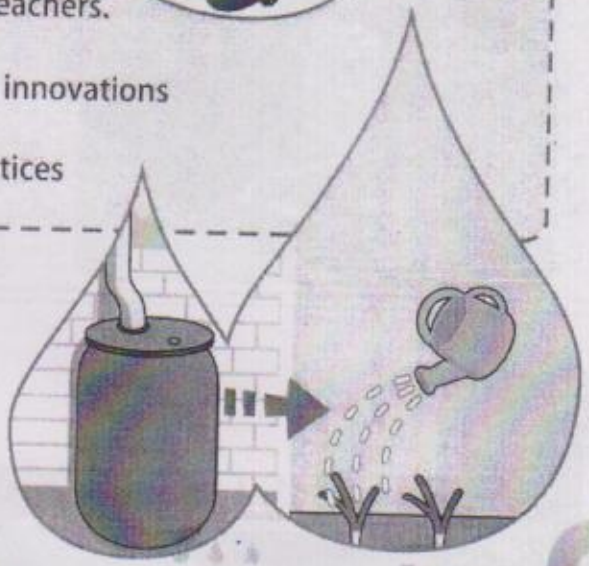
  - Imagine a day without water

  - How I save water

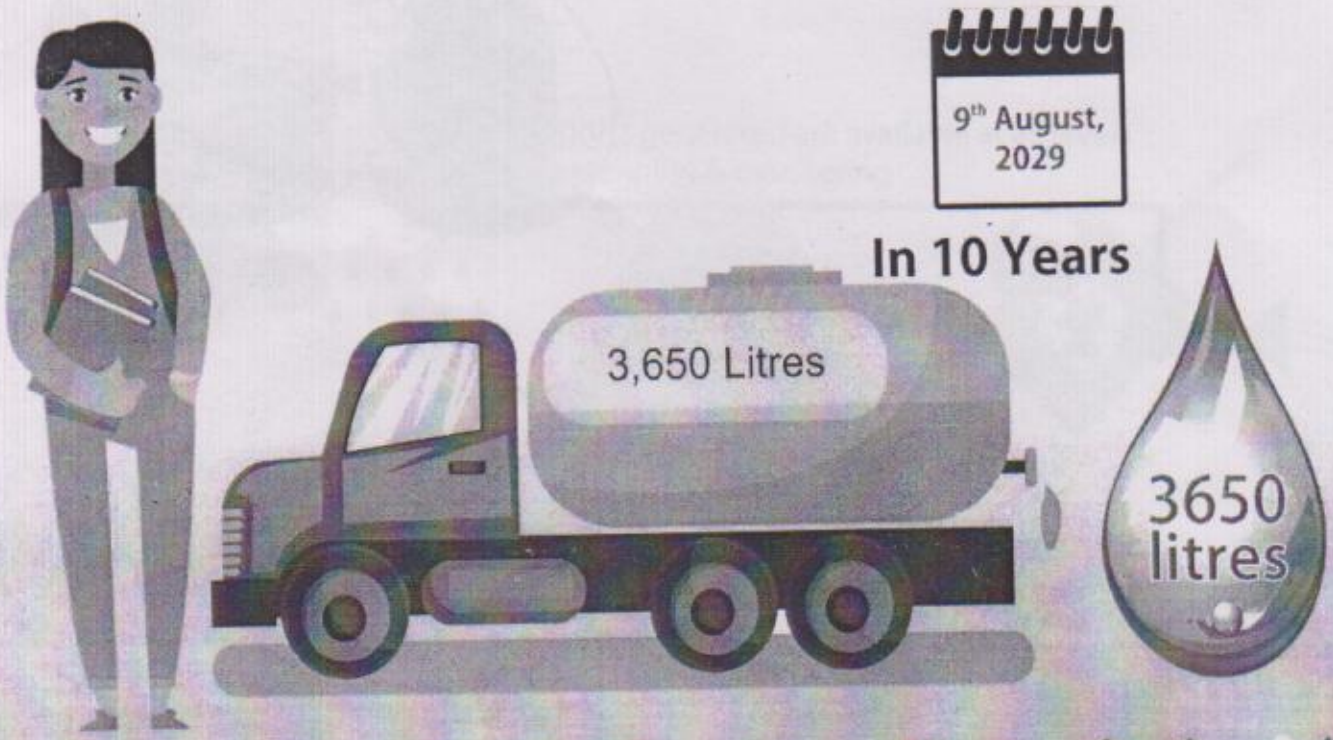
  - Best quote contest (eg: Slow the flow etc.)

  The contest timelines and rules can be decided along with prizes for the students as well as teachers.

- District administration may suggest their own innovations
- District administration can replicate best practices



Water Conservation Efforts of A Single Student



Collective Water Conservation Efforts of All Students In Our Country

10 Crores Students

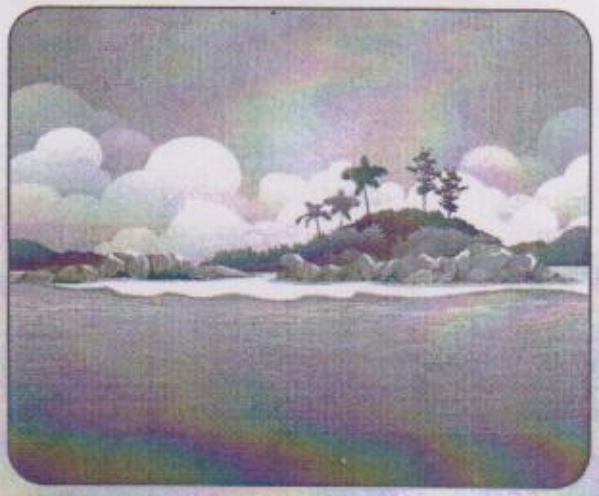
In 1 Day
10 Crores Litres of Water

10 Crores Students

In 1 Year
3650 Crores Litres of Water

10 Crores Students

In 10 Years
36500 Crores Litres of Water



Note

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