

JAL BHUMI

Water • Land • Environment • People
SAMPLE ISSUE — VOL. 1, ISSUE 1

A magazine dedicated to water security, healthy land, environmental awareness
and community action.

ODISHA • INDIA

From the Editorial Desk

JAL BHUMI is conceived as a platform for informed discussion on water, land, ecology and the communities that depend on them. This sample issue brings together accessible articles, field-oriented ideas and practical awareness content.

Our objective is simple: to encourage responsible use of natural resources and create a space where citizens, researchers, professionals, students and community workers can share knowledge and experiences.

Editor: Sisir Chandra Panda

Co-Editor: Ananta Kumar Acharya

Contents

01 Water Security: Why Every Drop Matters

02 Rainwater Harvesting for Homes and Institutions

03 Groundwater: The Resource Beneath Our Feet

04 Healthy Soil, Healthy Communities

05 Wetlands and Their Importance

06 Plastic Pollution and Water Bodies

07 Community Participation in Environmental Protection

08 Odisha's Rivers: Awareness and Responsibility

09 Youth and Environmental Action

Water Security: Why Every Drop Matters

Water security begins with awareness. Safe drinking water, reliable irrigation, functioning water bodies and healthy groundwater systems are closely connected. Conservation is therefore not only an environmental concern; it is also a community and development priority.

Practical steps include reducing unnecessary consumption, repairing leaks, protecting local ponds and drains, and supporting rainwater recharge wherever technically suitable.

Rainwater Harvesting for Homes and Institutions

Rainwater harvesting can reduce dependence on external water sources and help recharge groundwater when designed and maintained properly. Rooftop systems can collect rainfall and direct it to storage tanks or recharge structures.

Before installing a system, users should assess roof area, rainfall, first-flush arrangements, filtration, storage capacity and local site conditions. Regular cleaning is essential.

Groundwater: The Resource Beneath Our Feet

Groundwater supports households, agriculture and many local economies. Excessive extraction can lower water tables and make wells less reliable, especially when recharge is limited.

Protecting recharge areas, maintaining ponds and wetlands, and using water efficiently can contribute to long-term groundwater resilience.

Healthy Soil, Healthy Communities

Soil is a living system that supports food production, water regulation and biodiversity. Organic matter, vegetation cover and appropriate land management can improve soil structure and reduce erosion.

Farmers and land managers can consider locally appropriate practices such as mulching, crop diversification, contour measures and responsible nutrient management.

Wetlands and Their Importance

Wetlands act as natural water stores and provide habitat for plants, fish and birds. They can also help moderate flooding and improve local ecological health.

Urban expansion, waste dumping and changes in drainage can put wetlands under pressure. Community monitoring and responsible land-use planning are important parts of protection.

Plastic Pollution and Water Bodies

Plastic waste can enter drains, ponds, rivers and coastal systems through littering and poor waste management. It can block drainage and harm wildlife.

Reducing single-use plastic, segregating waste at source and ensuring proper collection are practical measures that households, institutions and businesses can adopt.

Community Participation in Environmental Protection

Environmental protection becomes more durable when local communities participate in identifying problems and implementing solutions. Schools, resident groups, farmers, civic bodies and voluntary organisations can all contribute.

Small activities—clean-up drives, water-body mapping, awareness meetings and tree-care programmes—can build long-term environmental responsibility when sustained.

Odisha's Rivers: Awareness and Responsibility

Rivers connect landscapes, settlements and livelihoods. Their health depends on catchment conditions, seasonal flows, pollution control and responsible use of water resources.

Citizens can support river health by preventing waste disposal into waterways, reporting pollution through appropriate authorities and participating in local conservation initiatives.

Youth and Environmental Action

Young people can play a major role through awareness campaigns, school projects, citizen science, responsible digital communication and community volunteering.

JAL BHUMI encourages youth to turn environmental information into practical action while checking facts and respecting local knowledge.

About JAL BHUMI

JAL BHUMI is a proposed publication focused on water, land, environment and people. It aims to present useful information in an accessible format and provide space for responsible community voices.

Editorial principle: factual, constructive and evidence-aware reporting. Contributions should identify sources where appropriate and distinguish observation, analysis and opinion.