



# Newsletter

partner of  
**sustainable  
sanitation  
alliance**

## About Decentralized Wastewater Treatment Systems & Proper Sanitation

For human dignity and urban environmental protection  
"Thinking Long Term - Acting Now"

Volume 3 | Issue 2 | June 2010  
A BORDA BNS Network Publication

The **DEWATS Newsletter**, published quarterly by BORDA in Bremen, constitutes a compilation of links to articles about DEWATS and sanitation from the BNS Network partners, posted on BORDA homepages from Southeast-Asia, South-Asia, Africa and Germany. The articles reflect actual aspects of current programme work.

The **BORDA BNS Network** is an international forum of organizations and institutions working to strengthen the dissemination of decentralized Basic Needs Services (BNS). It consists of organizations and institutions working together as partners with the Bremen Overseas Research and Development Association (BORDA) in development programmes in Africa and Asia. Their shared mission is to improve the livelihoods of disadvantaged groups within societies and to sustain the functioning of ecosystems by dissemination of demand oriented Basic Needs Services in the fields of decentralized wastewater treatment, sanitation, water and energy supply as well as solid waste management.

## DEWATS Guidebook - Summary now Available for Download

By Sven Meyer, BORDA Germany, June 11, 2010

The guidebook "Decentralised Wastewater Treatment Systems and Sanitation in Developing Countries – A practical guide" addresses to Urban Service Providers or National and Local Governments as well as to academic institutions, international NGOs or local community-based organizations.

...  
[It] not only explains technical requirements for efficient treatment of wastewater in locations with a special geographic focus in developing countries. It also includes socio-economic conditions and steps for community action planning.

A short summary of the guidebook is now available for download.

[Read article](#)



## Germany

[www.borda-net.org](http://www.borda-net.org)

### BORDA Head Office | Bremen

Bremen Overseas Research and Development Association



### DEWATS Guidebook - Summary now Available for Download

The guidebook "Decentralised Wastewater Treatment Systems and Sanitation in Developing Countries – A practical guide" addresses to Urban Service Providers or National and Local Governments as well as to academic institutions, international NGOs or local community-based organizations.

By Sven Meyer, (BORDA Germany), June 11, 2010

[Read article](#)



### New Address for BORDA's Head Office

BORDA Head Office is pleased to announce that they moved within the city of Bremen, Germany. From April, 28th BORDA will have new office rooms. The new address will then be: ...

By BORDA Germany, April 23, 2010

[Read article](#)



### Inauguration of DEWATS at the Staff Dormitory of the Faculty of Engineering in Lao PDR

One of BORDA's Basic Needs Services is DEWATS, an effective, efficient, affordable and proven wastewater treatment solution for (sub-) tropical regions and low-income countries. DEWATS stands for "Decentralized Wastewater Treatment Solutions", but it is much more than just a technical approach. ...

By Kieu Ly Doan (BORDA-LIRE, Lao), April 07, 2010

[Read article](#)

## **SADC Region** Southern African Development Community Tanzania

[www.borda-sadc.org](http://www.borda-sadc.org)

**BORDA Southern Africa Programme Office | Dar Es Salam | Tanzania**  
Bremen Overseas Research and Development Association



## *Lesotho*

**TED | Maseru | Lesotho**  
Technology for Economic Development (TED)



### Hydrogen Sulphide Elimination from Biogas

Sanitation is a neglected issue but a crucial aspect of poverty and deprivation. World Toilet Day is held annually to draw attention to this vital part of life. Worldwide 2.5 billion people are without access to proper sanitation which endangers their health, strips their dignity and kills 1.8 million people, mostly children every year. ...

By Ruben Zahlten (TED, Lesotho), and Christopher Kellner (WASAZA, Zambia), June 11, 2010

[Read article](#)

## *Zambia*

[www.zambia-water.org.zm](http://www.zambia-water.org.zm)

**WASAZA | Lusaka | Zambia**  
Water and Sanitation Association of Zambia



### WASAZA's first Decentralised Wastewater Treatment System (DEWATS) Project in Zambia

In close cooperation with Pestalozzi World, the German Toilet Organization (GTO) and local partners, WASAZA has been able to implement its first DEWATS project; a sustainable sanitation concept at a peri-urban school in Lusaka, capital city of Zambia. ...

By Mulenga Kabwe (WASAZA), May 03, 2010

[Read article](#)

## **South East Asia Region** Indonesia

[www.borda-sea.org](http://www.borda-sea.org)

**BORDA South East Asia Programme Office | Yogyakarta | Indonesia**  
Bremen Overseas Research and Development Association



### A Rocket landed on DEWATS Plan in Yogyakarta, Indonesia

DEWATS WWTP performance is strongly influenced by fluctuations of the wastewater and is also influenced by the level of concentration of substances contained in waste water into the wastewater system. The performance of a WWTP DEWATS will be maximum if the flow of waste water into the WWTP system ...

By Didin Jamaludin (BORDA Indonesia), June 11, 2010

[Read article](#)



### A Good News for Sanitation Sectors in Indonesia

AusAID via central government of Indonesia provides funding hundreds of billions of rupiah for sanitation development programs in the district/city level. This, Funding covers two sanitation programs namely Accelerated Development of Sanitation (P2S) / IEG and the Centralized Wastewater Grants / ...

By Didin Jamaludin (BORDA Indonesia), June 11, 2010

[Read article](#)

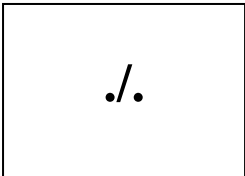
## South East Asia cont.

www.borda-sea.org

**BORDA South East Asia Programme Office | Yogyakarta | Indonesia**  
Bremen Overseas Research and Development Association**I am Living in the World's Most Populated Island**

Being twenty two years in Indonesia, Borda has disseminated DEWATS Plans for more than five hundreds location from Aceh (East) to Kupang (west) of Indonesia. Java Island as the largest population in Indonesia still need a lot of DEWATS Plans in order to make a better water-body quality to improve public health condition. ...

By Didin Jamaludin (BORDA Indonesia), June 10, 2010

[Read article](#)**QMS 2010 is Ready to Launch**

Quality Management System (QMS) is accepted by all Borda partners within the SEA region. After being four years in cooking all the technical aspects on how we could standardize the DEWATS technology and making it as the standard requirement by the Borda Standard become the world quality in disseminating the DEWATS. ...

By Didin Jamaludin (BORDA Indonesia), June 10, 2010

[Read article](#)**MEN at WORKS - Up Close and Personal with SEA Engineers**

Introducing the big families of DEWATS Engineers in South East Asia Countries, as you all might aware that Borda has broaded the network after 22 years in Indonesia, now it is a time to spread the wings and share the knowledge of DEWATS Technology with our next-door countries in SEA Region ...

By Didin Jamaludin (BORDA Indonesia), June 10, 2010

[Read article](#)**The handbook "Decentralized Wastewater Treatment Systems (DEWATS) and Sanitation in Developing Countries - a practical guide" is now available.**

Together with the Water, Engineering and Development Centre (WEDC), Loughborough University, UK, BORDA publishes the handbook ....

By Maren Heuvels (Weltwaerts BORDA Indonesia), April 12, 2010

[Read article](#)**Grebeg Air - Global Record, Local Spirit**

In Jethak, Indonesia, 674 people came together to celebrate the World Water Day 2010 and to join the worldwide effort to break the Guinness World Record for "The World Longest Toilet Queue". Organized by BORDA Indonesia with LPTP (Lembaga Pengembangan Teknologi Pedesaan) and ....

By Maren Heuvels (Weltwaerts BORDA Indonesia), April 05, 2010

[Read article](#)**Decentralized Wastewater Treatment Solutions in Developing Countries Conference**

2.5 billion people worldwide still don't have access to basic sanitation. In Indonesia, one hundred million Indonesians are still living without improved sanitation (WSP 2008). Solutions are needed to improve the sanitation situation for the poor worldwide. ...

By Maren Heuvels (Weltwaerts BORDA Indonesia), March 29, 2010

[Read article](#)

balifokus.asia/balifokus/

**Balifokus | Bali | Indonesia**

Yayasan Bali Fokus - (Bali Fokus Foundation)

**Training of East Indonesia Region SLBM Field Facilitators**

As of the follow up from the TOT Training of Trainer for Field Facilitator (TFL) of Community-based Environmental Sanitation (SLBM) in Yogyakarta, February 2010. The Training of East Indonesia Region SLBM Field Facilitator was held in Lombok Raya Hotel, Mataram, West Nusa Tenggara (NTB) conducted by ...

By Wayan Teddy Brachmancha (BALIFOKUS, Indonesia), June 06, 2010

[Read article](#)**TOT Training of Senior Field Facilitators**

More than five hundreds dewats plans around Indonesia which Borda Indonesia and partners has been constructed for more than fifteen years in Indonesia and looking at one of the Millenium Development Goals 2014 objective is to accelerate the sanitation development sectors has challenged all the stakeholders ...

By Wayan Teddy Brachmancha (BALIFOKUS, Indonesia), June 06, 2010

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## South East Asia cont.

[balifokus.asia/balifokus/](http://balifokus.asia/balifokus/)**Balifokus | Bali | Indonesia**

Yayasan Bali Fokus - (Bali Fokus Foundation)

**BALIFOKUS****60 Households in Tabanan, Bali improved their Sanitation Facility**

Located in Banjar Abiantuwung Kelod, Abiantuwung village, Kediri District, Tabanan Regency, Bali Province, one of the Sanimas (Community Base Sanitatin) 2009 project was completed. The inauguration procession was held on Wednesday, January 27, 2010 also followed with Balinese Ceremony as the local tradition. ...

By Wayan Teddy Brachmancha (BALIFOKUS, Indonesia), June 06, 2010

[Read article](#)[www.best.or.id](http://www.best.or.id)**BEST | Tangerang | Indonesia**

Institute for Integrated Economic &amp; Social Development

**BEST Proud to be Part of the Local Technology Development**

In conjunction with the 6th TTG (Teknologi Tepat Guna) / Appropriate Technology for the people in of Banten Province, Integrated Social and Economic Development (BEST) and the Department of City Planning, Building and Housing of South Tangerang city featured Dewats CBS (MCK+ +), BS Communal, Collective-septic-tank ...

By Iradati Pratiwi (BEST Tangerang, Indonesia) June 11, 2010

[Read article](#)[www.cbtech-lptp.org](http://www.cbtech-lptp.org)**LPTP CBTECH | Yogyakarta | Indonesia**

Lembaga Pengembangan Teknologi Pedesaan

**DEWATS, Free Indonesia from Open Defecation by 2014**

Located at the Bandengan Municipality, Pekalongan Regency, Central Java, a DEWATS CBS was officially inaugurated by the Mayor of Pekalongan on 17 March 2010. Attended to the event Mayor of Pekalongan Basyir Ahmad, Chief of DPUPT as the program leader, Chief of North Pekalongan Sub District, ...

By Rahmita Dwi Aprisa (LPTP, Indonesia) June 09, 2010

[Read article](#)**MONEV Result of Gambiran WWTP, Looked Good**

Old era, where the top-bottom policy are made to build public infra structure leaving a lot of abandon facilities. But now days, the approach is reversing, bottom-up approach is the efficient way to ensure that public needs are used and sustain until some period of times. ...

By Rahmita Dwi Aprisa (LPTP, Indonesia) June 08, 2010

[Read article](#)**Brebes Regency Ready for SLBM Scheme 2010**

If you don't have access to your basic needs, it means that you are poor. Sanitation is a basic need to all of human being, or perhaps it is also now apply to some breed animals like chicken, cows, pigs, what about the zoo? Increasing the numbers of urban area automatically increasing of social problem in the society, ...

By Rahmita Dwi Aprisa (LPTP, Indonesia) June 08, 2010

[Read article](#)**A Five-Star Toilet at Sokanandi Village, Banjarnegara was commissioned**

In most of the urban area especially in Asia, open defecation is still the common practise. When we did Feasibility Study in 2007 at the Sokanandi Village, Banjarnegara District, Central Java, when this area was chosen for the dewats intervention we noted that more than 30% of the households has no access toilet. ...

By Rahmita Dwi Aprisa (LPTP, Indonesia) June 07, 2010

[Read article](#)**Operational & Maintenance Training in Paser, East Kalimantan**

OM (Operational & Maintenance) training to the DEWATS Operator is compulsory as part of the DEWATS Package Service in order to sustain the DEWATS plants in 20-30 years to come. What are the DEWATS operator "must-do" daily, weekly, monthly or in some critical period to check the entire system to make sure ...

By Rahmita Dwi Aprisa (LPTP, Indonesia) June 06, 2010

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## Cambodia

[www.borda-sea.org](http://www.borda-sea.org)

**BORDA Cambodia Project Office | Phnom Penh | Cambodia**  
Bremen Overseas Research and Development Association



### Cambodia – SBS Health & Hygiene IEC

The SBS project is an innovative project that focuses on social mobilization, health & hygiene education, and improving sanitation infrastructure at the primary school. BORDA's role is focused on technical support for the development of sanitation infrastructure including...

By Alex Campbell and Kim Sokha (BORDA Cambodia), May 05, 2010

[Read article](#)



### Cambodia – Three DEWATS Commissioned

In the first quarter of 2010, three DEWATS were commissioned in Cambodia. All three DEWATS are very different in terms of size and application, and they were all implemented using funding from multiple sources. The DEWATS were designed and developed by local Engineers working for BORDA-Cambodia, ...

By Alex Campbell (BORDA Cambodia), April 27, 2010

[Read article](#)



### Urban Sanitation Workshop

This workshop was held on the 12th of March, 2010, at the Sunway Hotel, and attracted over 50 participants from a variety of backgrounds, including all levels of government and representatives from NGOs, IOs, businesses and consultants. The workshop was officially opened by H.E. Senator Kong Sareach. ....

By Alex Campbell (BORDA Cambodia), April 12, 2010

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## P. R. China

[www.yedi.org.cn](http://www.yedi.org.cn)

**YEDI | Kunming, Yunnana | P.R. China**  
Yunnan Environment Development Institute



### YEDI and BORDA-ZUT discussed 2011-2013 plans

On 8th June, 2010, staffs from Yunnan Environment Development Institute (YEDI), Mr. Henry and Ms. Liu Yun visited BORDA-ZUT to exchange project experiences and discussed the plan in next 3 years. Ms. Julia Hoffmann, a Weltwaerts Volunteer working in YEDI came along with. ...

By Yingde Hu (BORDA-ZJUT, China), June 09, 2010

[Read article](#)



### YEDI assesses new project sites in rural areas

The member of Yunnan Environment Development Institute, YEDI, went on a joint field trip organized by Runtu Mutual Help Working Group aimed at distributing water bottles to poor rural villages most affected by the heaviest drought which Yunnan province has experienced in 60 years. ...

By Julia Hoffman (Weltwaerts – YEDI), March 29, 2010

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[www.zjut.edu.cn](http://www.zjut.edu.cn)

**ZUT | Hangzhou | P.R. China**  
Zhejiang University of Technology



### BORDA-ZUT learned New Tech of Environment

Staffs from BORDA-ZUT Project Office were invited to attend Asia-Pacific Economic Cooperation (APEC) CO<sub>2</sub> capture and storage activities (CCS) Capacity-Building Workshop, which was held from 6th to 8th June, 2010. The main topic of the workshop focused on the various technologies for carbon capture and storage ....

By Yingde Hu (BORDA-ZJUT, China), June 09, 2010

[Read article](#)

## Vietnam

[www.borda-sea.org](http://www.borda-sea.org)

### BORDA VAWR Project Office | Hanoi | Vietnam

Bremen Overseas Research and Development Association



#### TERMA visits DEWATS Plan in Kim Bang Hospital, Vietnam

Within the German Weltwaerts program, Bianca Otter is the first volunteer of the BORDA partner Basic Needs Services (BNS) based in the Philippines. Ms. Otter is a graduated environmental engineer with a major in decentralized wastewater treatment systems. ...

By Joerg Haucke (BORDA Vietnam), June 08, 2010

[Read article](#)



#### Vietnamese interest in DEWATS is picking up

Within the framework of GTZ-programme "Wastewater and Solid Waste Management in Provincial Centers" GFA has been organised a workshop related to decentralized wastewater treatment. The goal of the workshop held on 21st of June 2010 in Hai Duong city public works company was to acquaint the participants with...

By Joerg Haucke (BORDA Vietnam), June 08, 2010

[Read article](#)



#### First DEWATS for a slaughterhouse in Vietnam

The construction of first wastewater treatment plant using DEWATS technology for a slaughterhouse in Vietnam was completed in February 2010. This DEWATS plant was designed and constructed for Thien Truong Food Processing Co.LTD at Ha Phong ward, Ha Long city, Quang Ninh province. ...

By Joerg Haucke (BORDA Vietnam), April 26, 2010

[Read article](#)

## South Asia Region India

[www.cddindia.org](http://www.cddindia.org)

### CDD | Bangalore | India

Consortium for Dissemination of DEWATS



#### CDD Society has a new Executive Coordinator

CDD Society has a new Executive Coordinator w.e.f. 1st June 2010. Ms Renu Mukunda, 53, has over 25 years of experience in the Development Sector. Among other capabilities, she brings with her the experience of heading WSUP India (Water and Sanitation for the Urban Poor). ...

By Joe D' Souza (CDD Society, Bangalore), June 06, 2010

[Read article](#)

#### Upcoming Training: Site Supervision for DEWATS Construction



CDD society is pleased to announce the upcoming 1-day Training on "Site Supervision for Decentralised Wastewater Treatment Systems (DEWATS) Construction" on 18th June 2010 in Villupuram district, Tamil Nadu. The training programme aims at imparting skills required or specific site preparations, stages of ...

By Himani Bist (CDD Society, Bangalore), May 29, 2010

[Read article](#)



#### DEWATS Engineers' Training Completed Successfully

Focussing on the need and importance of quality designing of DEWATS units, six-day training was organised by CDD Society at CASS training centre, Bangalore from 17th to 22nd May 2010. The objective of the training was to help people (engineers) having background knowledge and experience in wastewater treatment to ...

By Himani Bist (CDD Society, Bangalore), May 29, 2010

[Read article](#)



#### Upcoming Engineers' Training on DEWATS

CDD Society announces a 6-days introductory training programme on Decentralised Wastewater Treatment Systems (DEWATS) from 17th May to 22nd May, 2010 in Bangalore. The training aims at imparting skills required for planning, implementation and management of DEWATS. ...

By Nivedita Mani (CDD Society, Bangalore), April 24, 2010

[Read article](#)

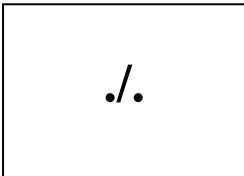
## India cont.

www.cddindia.org

**CDD | Bangalore | India**  
Consortium for Dissemination of DEWATS**Training on O&M of CBS-DEWATS units successfully completed**

Under its capacity building interventions, CDD Society conducted training on Operation and Maintenance (O&M) of CBS-DEWATS units on 16th April 2010 at Centre for Advanced Sanitation Solutions (CASS), Bangalore. The one-day training programme was organised in collaboration with ...

By Nivedita Mani (CDD Society, Bangalore), April 24, 2010

[Read article](#)**Commencement of Implementation of Tsunami Projects**

The "Emergency Tsunami Reconstruction Project (ETRP)" of the Government of Tamilnadu and other agencies has initiated work on providing solutions to address sanitation issues in 73 settlements, with a focus on community participation and involvement of affected communities in planning, decision-making and ...

By E. Arunkumar (CDD-Regional Coordination Office, Chennai), April 15, 2010

[Read article](#)**Construction of First DEWATS Plant at Kalmeshwar**

CDD Society has been the main partner of BORDA in India since 2002 and has been striving to promote and improve the social, economic and environmental conditions of the less privileged, disadvantaged and marginalised in South Asia through the provision of decentralised basic needs services. ...

By Satchit Bhandarkar (CDD-Regional Coordination Office, Nagpur), April 15, 2010

[Read article](#)**Interventions in Uttar Pradesh for Implementation of CBS-DEWATS**

Shramik Bharti is a not-for-profit, grass root development organisation registered under Societies Registration Act of 1860. Shramik Bharti's activities are primarily aimed at organizing the poor to come out of their poverty with particular emphasis on empowering women and disadvantaged communities. ...

By Satchit Bhandarkar (CDD-Regional Coordination Office, Nagpur), April 15, 2010

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www.dhan.org

**DHAN Foundation | Tamil Nadu | India**  
Development of Humane Action**DWETC organises Community Awareness Training on Water and Sanitation**

The purpose of the Centre is to promote and sustain the behavioral change practices on health, especially in drinking water and sanitation among poor communities. DHAN Water Expertise Training Centre is the result of the collaboration between DHAN Foundation and ...

By R. Devika (DHAN Foundation), June 14, 2010

[Read article](#)**Commencement of Operation of two DEWATS at Tata-Dhan Academy, Madurai**

Despite the fact that India can claim to be one of the fastest growing economies of the 21st century, serious shortcomings exist in the areas of its wastewater and sanitation management. In India's metropolitan areas, millions of people suffer under extremely unhygienic conditions due to lack of proper wastewater disposal and ...

By Jens Götzenberger (DHAN Foundation), May 11, 2010

[Read article](#)**DHAN CURE celebrates World Water Day 2010**

In order to commemorate World Water Day 2010, DHAN Foundation's Centre for Urban Water Resources (CURE) organized two awareness-building events in and around Madurai.

The International World Water Day is held annually on 22nd March as a means of focusing attention on the ...

By R. P. Barathsibi (DHAN Foundation), April 15, 2010

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## India cont.

www.exnora  
international.org

**EXNORA International | Chennai | India**  
Excellent Novel and Radical Ideas



### Training of Chennai Corporation Conservancy Inspectors & Maistries

Municipal Solid Waste Management (MSWM) scenario in urban areas is passing through troubled times - socially, economically and environmentally, in terms of management. Globalisation, modernisation, scientific and technological advancements, merging with cultural changes has created chaos in the effective management ...

By V. Ganapathy (ExNoRa), March 23, 2010

[Read article](#)



### Madhya Pradesh Sanitation team on Study Tour to Tamil Nadu

With the announcement of the National Urban Sanitation Policy (NUSP) by the Government of India in 2008, there has been a renewed interest in this hitherto neglected sector. The listing of best practices in urban sanitation in different states and exposure visits to these centres are a very important and welcome outcome. ...

By V. Ganapathy (ExNoRa), March 23, 2010

[Read article](#)



### MDG 7 – Achievements & Challenges in Tamil Nadu

The urgent need for giving a special thrust to various aspects of implementation of sanitation programmes in Tamil Nadu was highlighted by senior officials of the Government of Tamil Nadu and other states, UNICEF, NGOs, CBOs and officials at the grass root level at a state level workshop in Chennai held on ...

By V. Ganapathy (ExNoRa), March 17, 2010

[Read article](#)

www.iyw-india.org

**IYW | Nagpur | India**  
Indian Institute of Youth Welfare



### IYW organizes awareness programme on "Climate Change"

Under the National Environment Awareness Campaign of the Ministry of Environment and Forest, a Programme on "Maintenance of Water Bodies and Reducing Foot Prints of CO2" was organized by Indian Institute of Youth Welfare, Nagpur, in its premises at Shivaji Nagar on 11th Feb 2010. ...

By Shilpa Mirashi (IYW), June 06, 2010

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### IYW conducts "Training of Trainers" on Health and Hygiene

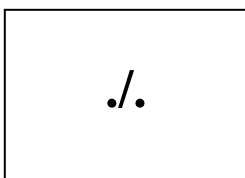
The BORDA-CDD CBS-SD Project aims to develop Health and Hygiene practices as well as Minimum Standards for Health and Hygiene awareness initiatives in order to improve the planning, implementation and monitoring of decentralised sanitation programmes. ...

By Shilpa Mirashi (IYW), June 06, 2010

[Read article](#)

www.rhpmysore.org

**RLHP | Mysore | India**  
Rural Health & Literacy Programme



### Water contamination ... a serious concern

Water is the source of life to man, animals, birds, fish, and all forms of vegetation on planet Earth. But when the precious water itself is contaminated, it becomes a source of deadly diseases. Water-borne infections are the most common causes of infectious diseases in developing countries, ...

By Dr. G. William (RLHP), June 06, 2010

[Read article](#)



### Community Participation and Health Impact

In recent years, the importance of the role of community participation in social development has been repeatedly emphasized in national and international research studies. JNNURM has allocated, though a small portion of amount, for capacity building for community members as part of implementation of JNNURM schemes. ...

By Dr. G. William (RLHP), May 11, 2010

[Read article](#)

## India cont.

[www.rlhpmysore.org](http://www.rlhpmysore.org)**RLHP | Mysore | India**  
Rural Health & Literacy Programme**DEWATS Dissemination and Advocacy**

As a result of RLHP's efforts to disseminate and advocate the concept and technology of DEWATS among industries and hoteliers a couple of years ago, a team of engineers including the Vice President from Triton Valves Limited Company expressed their wish to know more about DEWATS as they plan to ...

By Dr. G. William (RLHP), April 15, 2010

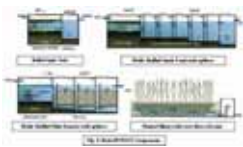
[Read article](#)[vigyanvijay.org](http://vigyanvijay.org)**Vigyan Vijay Foundation | Dehli | India**

The Vigyan Vijay Foundation (VVF)

**Water-Less Urinals (WLUs) for Environmental and Economic Benefits**

In early 2008, Defence Parade Grounds in the Delhi Cantonment areas belonging to the Signals Unit of the Army intended to make all spaces with more greens, having extended plants and foliage cover. The Army units instituted clean-up drives and campaigns to use up all bio-wastes generated on their campus for conversion ...

By Ajit Seshadri (The Vigyan Vijay Foundation), June 10, 2010

[Read article](#)**"Waste to Resource"—Overview of Community Initiatives in Rural & Urban Sector**

Decentralised Wastewater Treatment System (DEWATS) is primarily a technical approach than merely a technology package. Generically, DEWATS are locally organized and people-driven systems that typically consist of a settler, anaerobic baffled septic tank, filter bed of gravel, sand, plantation-beds and a pond ...

By Ajit Seshadri (The Vigyan Vijay Foundation), June 10, 2010

[Read article](#)**DEWATS Plant Implemented near Taj Mahal in Agra**

Agra under an ambitious JNNURM City Development Plan aims to build a 26 MLD sewage treatment plant in its Trans-Yamuna areas. In September 2008, Centre for Urban and Regional Excellence (CURE), a development NGO working with slum communities on Watsan issues, ...

By Ajit Seshadri (The Vigyan Vijay Foundation), April 15, 2010

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Subscribe to the [e-Disha](#) newsletter

#### e-Disha Newsletter bi-monthly published by CDD

The Indian Consortium for Dissemination of *DEWATS* (CDD) publish the electronic newsletter on *DEWATS* Information for Sustainable Habitation "e-Disha" regularly.

It is CDD's endeavour to promote *DEWATS* and sustainable habitation by providing a deeper understanding of the scope of *DEWATS* and strategies for basic need services.

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