**PROLOGUE**
Greetings from CDD Society!!!!

**PICTURE OF THE MONTH**
Periodical Maintenance of DEWATS™ unit at Friends of Camphill, Bangalore

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DEWATS™ Engineers Training at CASS, Bangalore

**INTERESTING LINK**
After the Flush....Sumana Mukherjee writes about CDD Society’s endeavor in Sanitation sector.
PROLOGUE

Greetings from CDD Society!

We like to announce the forthcoming DEWATS™ Engineers' Training Programme scheduled to be held in December 2014; interested readers are requested to register at the earliest.

Contributions to the Newsletter are most welcome. For comment on any article or to submit an article for the next issue, please forward them to bangalore@cddindia.org

e-Disha
Editorial Team

PICTURE OF THE MONTH

Periodical Maintenance of DEWATS™ unit at Friends of Camphill, Bangalore

The project engineers had a field day! The periodical maintenance of DEWATS™ at Friends of Camphill, Bannerghatta Road, Bangalore, was due, and thus, this opportunity was an opportunity to train the Project Engineers on the various steps involved in the maintenance of a DEWATS™ unit. The engineers received first-hand experience and therefore, a better understanding of the functioning of DEWATS™.
Prefabricated DEWATS™ at Positive Labels, Bangalore

Project background

Positive Packaging is a one-stop source for printed and laminated barrier-grade quality flexible packaging materials. The company caters to various sectors including food and beverages, pharmaceutical, industries and agriculture. The corporate office with its production unit is located in Bommasandra Industrial Estate, Bangalore.

System in brief

The treatment unit consists of a prefabricated integrated settler with two chambers and a prefabricated anaerobic baffle reactor (ABR) with five chambers along with a civil constructed planted gravel filter (PGF).

Wastewater from toilets and kitchen and dining areas is conveyed to a collection tank from where it is pumped into the ABR of the prefabricated DEWATS™ unit using automatic sludge cutter pump. The wastewater then flows to the PGF after which the treated effluent is stored in a collection tank for use in watering gardens. The operation and maintenance of the unit is undertaken by a trained staff.

Post Implementation

Wastewater monitoring of the unit was conducted in July 2014. The treated effluent complies with norms of the Central Pollution Control Board (CPCB). Based on the performance of the unit a second prefabricated DEWATS™ is being initiated on the same premises.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Standard</th>
<th>Effluent</th>
</tr>
</thead>
<tbody>
<tr>
<td>COD [mg/l]</td>
<td>250</td>
<td>50</td>
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</tbody>
</table>

Design Capacity
5 m³/day

No. of Users
400/day

Cost of prefab DEWATS: Rs. 5.2 Lakhs

Date of Installation: December 2013

Financing Agency: Positive Labels, Bangalore

Executed By: CDD Society, Bangalore
RESEARCH ON SANITATION

Effectiveness of a rural sanitation programme on diarrhoea, soil-transmitted helminth infection and child malnutrition in Odisha, India: a cluster-randomised trial

Increased provision of latrines is generally believed to be effective in reducing exposure to faecal pathogens and thus preventing disease.

This article depicts how improved sanitation approaches should not only meet international coverage targets but also be implemented in a way that achieves uptake, reduces exposure and delivers realistic health gains.

Read more:
http://download.thelancet.com/pdfs/journals/langlo/PIIS2214109X14703079.pdf?id=aaaxet6ChVVBa-iRJzDKu

NEWS AND VIEWS

More than just toilets

Making India Open Defecation free by building more toilets is the new slogan. It is good news to hear and read so much about sanitation. At least sanitation is now catching everyone's attention.

We have also been hearing a few voices saying that constructing toilets is not the only answer to arrest open defecation and that more toilets do not necessarily result in improved health. The answer perhaps is behavior change and thinking beyond toilets – how to get people to want to use toilets, keep these toilets clean and usable, collect the sewage and treat it.

Together can we add our efforts to the momentum created by the 'Swachh Bharat' campaign and make efforts to create awareness on demanding for more than just toilets? Shift the thinking from building infrastructure to behavior change and ensuring toilet use and safe disposal?

Lets share ideas and activities that can be carried out by us. At CDD Society, we are planning to conduct a programme on the occasion of 'World Toilet Day'. We intend to talk about using toilets and keeping these toilets clean so that all can use it (the need for O&M) and as a next step take up more on treatment, reuse and safe disposal

To share your ideas and views please write in to knowledge-mgt@cddindia.org
UPCOMING EVENTS

DEWATS™ Engineers Training at CASS, Bangalore

CDD Society will be conducting a five-day training programme on DEWATS™ for Engineers in collaboration with BORDA and RGRHCL at CASS, Bangalore, from 8th through 12th December 2014.

The objective of this training programme is to impart technical skills required for planning, implementing and managing DEWATS™ with special emphasis on civil design. The training programme adopts a participatory learning methodology combining lectures, illustrations and demonstrations with active participation of the trainees.

For the brochures and registration forms visit www.cddindia.org

INTERESTING LINK

After the Flush....

Ms. Sumana Mukherjee, Live Mint

Sumana Mukherjee writes on CDD Society’s endeavor in the sanitation sector. She shares her experience on visiting the sanitation exhibition at CASS and the DEWATSTM unit at Beedi Workers Colony (BWC) in Kengeri, where she interacted with the Susmita Sinha, Director, Knowledge Management, R&D and Training, CDD Society. Through interactions with Anganwadi teachers and representatives of Beedi Workers’ Colony Association, Ms Mukerjee gained a better understanding of the positive impacts of DEWATS™


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