

Workshop

On

Rainwater Harvesting in Rural Areas



Date: 4 – 5 June, 2015

Time: - 09.00 am - 05.00 pm

Venue:-

Balwantrao Mehta Panchayatiraj Jagruti Kendra, Shantivan

Kushtarog Niwaran Samiti

At - Nere, Pandal,

Dist. Raigad - 410206



Rainwater Harvesting in Rural Areas

Issue of getting adequate water to meet societal needs is one of the most important challenges faced by the mankind today. With respect to the physical alternatives to fulfill sustainable management of freshwater, there are two solutions- finding alternate/additional water resources or utilizing the limited amount of water resources available in a more efficient way. Though earlier much attention was given to the first option, it has been realized that optimizing water management systems or rainwater harvesting is a better and more sustainable option. This workshop is designed with the objective of facilitating a better understanding of various aspects of rainwater harvesting in rural areas.

Objectives

The objective of this course is to give participants an insight into the concept of rainwater harvesting (RWH) in rural areas. It will specifically focus on various techniques used for RWH - their importance as well as the issues in field implementation and deployment of RWH in rural areas. The participants will be able to see various models used for RWH during a field visit. Apart from this, they will also be able to actively participate in construction of a RWH system. After completion of the course, participants will have acquired professional skills and knowledge on RWH in rural areas. Also, participants will be able to choose appropriate technique for RWH in a given situation.

About RuTAG IIT Bombay and Jalvardhini

IIT Bombay (Indian Institute of Technology) is one of the premier technological institutes in India with students and faculty who are comparable with the best in the world. IIT Bombay has several undergraduate, postgraduate and doctoral programmes in the engineering, basic sciences, humanities and management and has also initiated programmes in inter-disciplinary areas such as energy, environment and health.

The Centre for Technology Alternatives for Rural Areas (CTARA) in IIT Bombay was established in 1985 to respond to the marginalized and disadvantaged sections of society and neglected regions in the country. CTARA has multi-disciplinary approach for rural development and has developed several technologies for rural advancement.

RuTAG (Rural Technology Action group) was initiated by the Principal Scientific Advisor (PSA) to the Government of India - as a mechanism to achieve rural advancements through S&T interventions. RuTAG centers are located in 8 IITs including IIT Bombay. RuTAG at IIT Bombay focuses on projects based in rural areas of Maharashtra, Gujarat and Goa.

Jalvardhini Pratishthan is a registered Voluntary organization based at Mumbai, started with a clear intention of supporting rural and Tribal population in Rain water harvesting and management. In past 12 years it has installed several RWH units consisting of water tanks made of cement, ferrocement and also natural fibers such as coconut and banana.

About course

Course content*

- Definition of Rain Water Harvesting
- Necessity of Rain Water Harvesting
- Rural Rain Water Harvesting.
- Open well recharge.
- Bore well recharge
- Use of Natural Fibers in Water Conservation.
- Salt Water and Sweet Water Relation in Coastal Area.
- Potential of RWH and Rain Water utilization Index.
- Roof Top Rain Water Harvesting and its quality aspect.
- 10% Model for Water Conservation.
- Ground water recharge.
- Water quality aspects in recharging.
- Economics of rainwater harvesting.
- Water quality of Stored Rain Water
- Maintenance of RWH Structures.
- Community RWH Schemes / Water schemes.
- Use of Ferro cement in Water Conservation.
- Traditional rainwater harvesting methods and systems.
- Cost and economical aspects of RWH Structures.

*For the benefit of participants the course will be conducted in English and Marathi. The resource persons have proficiency in Hindi and Gujarati languages also.

Who should attend?

- SMEs
- Entrepreneurs
- NGOs
- Corporate – CSR
- Academia
- Individuals interested in Rainwater Harvesting.

Resource Persons

- Er. S. N.Patankar (Rtd. Chief Engineer, MCGM)
- Er. Hirshikesh Davalbhakt (MCGM)
- Prof. Upendra Kulkarni (SGGS Institute)
- Er. Satish Patankar (Consulting Engineer)
- Er. U.M.Paranjpe (Jalvardhini Pratishtan)
- Dr. Rucha Paranjpe (Jalvardhini Pratishtan)
- Prof. Shyam Asolekar (IIT Bombay)
- Prof. Eldho T.I. (IIT Bombay)
- Prof. Milind Sohoni (IIT Bombay)

Course venue

Balwantrai Mehta Panchayatiraj Jagruti Kendra, Shantivan,
Kushtarog Niwaran Samiti,
At - Nere, Taluka - Panvel
Dist. - Raigad,
Maharashtra – 410206

Date: - 04 – 05 June, 2015.

Time: - 9.00 a.m. – 5.00 p.m.

Accommodation **

Limited dormitory accommodation will be available inside the Shantivan campus on first-cum-first served basis. Alternatively, the participants may book accommodation in private hotels/lodges in Panvel city on their own.

**Accommodation charges are not included in the course fee and should be paid directly by the participant

Course Fee per participant ***

- Rupees 5,000/- (For Industry)
- Rupees 1,500/- (For Non-profit and academic institutions)
- Rupees 1,000/- (For students)

Course fee includes charges for tea, breakfast, lunch, field visit by a private bus and study material. Dinner and accommodation charges are not included.

*** A few fellowships will be available for students and other deserving candidates. For more details send email to jalrutag@gmail.com.

How to pay course fees?

There are two options to pay course fees.

<u>Option 1:- By Demand draft</u>	<u>Option 2:- By Online fund transfer / RTGS</u>
<p>Participants may prepare a demand draft in favour of “Jalvardhini Pratishthan”.</p> <p>The DD and filled registration form should be sent to following address: Mr. U. M. Paranjpe Contact No: - 09820788061 Jalvardhini Pratishthan, 1, Janki Niwas, Gokhale Road North, Dadar (W), Mumbai 400028.</p>	<p>Participants may also make payment online through RTGS. Kindly send us scanned copy of completely filled registration form along with transaction details of your RTGS to jalrutag@gmail.com</p> <p>Bank Details: Jalvardhini Pratishthan Bank of Maharashtra Branch: Mulund (E) (761) Account No: 60043397077 IFSC Code: MAHB0000761 MICR Code: 400014060 Type of Account: SB</p>

For enquiries:

E-mail:- jalrutag@gmail.com

Ms. Prachi Yerunkar.

Rural Technology Action Group (RuTAG),
Centre for Technology Alternatives for Rural Areas (CTARA),
Indian Institute of Technology Bombay,
Contact No: - 8082606201

Mr. U. M. Paranjpe.

Jalvardhini Pratishthan,
1, Janki Niwas,
Gokhale Road North,
Dadar (W), Mumbai 400028.
Contact No: - 09820788061

Dr. Rupali Khanolkar.

Rural Technology Action Group (RuTAG),
Centre for Technology Alternatives for Rural Areas (CTARA),
Indian Institute of Technology Bombay,
Contact No: - 9892318377

REGISTRATION FORM

Workshop On Rainwater Harvesting in Rural Areas

June 4 - 5, 2015

Name (Block Letters): _____

Gender: Male Female

Designation: _____

Organization: _____

Mailing Address: _____

Telephone: _____ (O) _____ (R) _____ (Mob)

Fax: _____ Mail : _____

Qualifications : _____ Experience : _____ Years.

Academic Background: _____

Preferred Language for Instruction: _____

Required Accommodation in Campus: Yes No

Payment Details:

Payment Mode: D.D RTGS

Name _____ Name of the bank _____

Branch _____ Amt. _____

D.D No. : _____ Unique Transaction Code (If RTGS): _____

(For details kindly send e-mail on jalrutag@gmail.com)

Purpose to Attend Workshop: _____

Expectations from Course: _____

Date: _____

Signature of Applicant