



The Energy and Resources Institute

Agenda of the Training program

Short term external training on biogas development for NBPE, Ethiopia

15th-28st July, 2015

Venue- TERI Gram, Gual Pahari, Gurgaon

Training Schedule

<i>Wednesday-15th July</i>	<i>Arrival in Delhi</i>
Thursday-16th July	
<i>Technical Sessions-A: An overview of Indian Renewable Energy Programs and the activities</i>	
09.30 am - 09.40 am	Opening Remarks - Mr. Dinesh Chander pant (dpant@teri.res.in), Fellow and Program Coordinator, TERI.
09.40 am - 10.00 am	Inaugural address and Overview of TERI's activities in Africa- Dr. Suneel Pandey , Associate Director, TERI
10.00 am - 10.30 am	Overview of workshop/training aspect- Dr. P Raman , TERI
10.30 am - 10.45 am	Tea/Coffee
10:45 am-1:00pm	Capacity building for commercial dissemination networks for solar mini grid technologies - Dr. Ishan Purohit , GM, Lahmeyer International, Gurgaon
1:00 pm - 2.00 pm	Lunch
<i>Technical Sessions-B: Biogas technologies principles, design and testing</i>	
2.00 pm - 3.30 pm	Biogas plant Design aspect- Dr. P Raman , TERI
3:30 pm -3.45 pm	Tea/Coffee
3:45 pm- 5:15pm	Two stage Anaerobic Digestion Technology- Mr. D C Pant , Fellow & Area Convener, TERI
5:15pm-5:30pm	Discussion/Questions
Friday-17th July	
<i>Technical Sessions-C: Role of private sector and carbon financing</i>	
9:30 am-10:30 am	Role of private sector, cooperatives and CBO's in the promotion and development of biogas technology and integration of stakeholders in biogas program- Mr. Gaurav Kumar Kedia , Chairman, Indian Biogas Association
10:30 am-10:45 am	Tea/Coffee
10:45 am - 11.45 am	Discussion
11.45 am - 1.00 pm	Agricultural waste based community biogas plants- Dr. S. S. Sooch , Sr. Research Engineer, Punjab Agricultural University
1.00 pm - 2.00 pm	Lunch
2.00 pm - 3.15 pm	Cost effective analysis and methodology for installation, operation and

	maintenance of biogas technology- Mr. Om Prakash , IREDA
3.15 pm – 3.30 pm	Tea/Coffee
3.30 pm – 5.00 pm	Forum discussions on RE & Biogas practices by participants in Ethiopia / Lessons from the training and feedback from participants
Saturday-18th July	
	Free time for participants
Sunday-19th July	
	Delhi site seeing
Monday-20th July	
<i>Technical Sessions-D: Biogas technology-best practices and implementation</i>	
9.30 am – 11.00 am	Industrial Biogas technology- Mr. Vinod Daga , MD, Regen Biosystems
11.00 am – 11.15 am	Tea/Coffee
11.15 am – 1.00 pm	Carbon Financing- Ms. Nimisha Pandey , Associate Fellow, TERI
1.00 pm – 2.00 pm	Lunch
2.00 pm – 3.15 pm	Entrepreneurship skill development; Participatory approach and methodology for community based biogas development – Dr. A R Shukla , President, Biogas Forum-India (BiGFIN)
3.15 pm – 3.30 pm	Tea/Coffee
3.30 pm – 5.00 pm	Two stage biogas (TEAM) plant visit - Mr. Nagendra Kumar and Ms. Astha Gupta , TERI
Tuesday- 21st July	
<i>Technical Sessions-E: Economics policies and regulation</i>	
9.30 am – 10.30 am	National and International best practices in biogas arena- Proj V. K Vijay , IIT Delhi
10.30 am – 10:45 am	Tea/Coffee
10.45 am – 11.45 am	Biogas technology for MSW and food waste- Lt Col (Retd) Suresh Rege , Executive Director, Mailhem Ikos Environment Pvt. Ltd.
11:45 am-12:30 pm	India's Biogas programs and promotion schemes and policy in Biogas area- Ms. Pratibha Rialch , National Energy Expert, UNIDO
12:30 pm-1:30 pm	Economics of Renewable energy - Dr. Ujjwal Bhattachajee , Sr. Fellow TERI
1.30 pm – 2.30 pm	Lunch
3:00 pm onwards	Departure to Pune and stay at Pune
Wednesday-22nd July	
<i>Practical session: Site visit to biogas plants at Pune</i>	
9:00 am-12:00 pm	Site visit at Pune Municipal Corporation (PMC)
12:00 pm onwards	Lunch and departure to Kolhapur (stay at Kolhapur)
Thursday-23rd July	
	Site visit at Kolhapur and Departure to-(Pune & Delhi)
Friday- 24th July	
9:30am-11:30am	Workbook exercise on biogas plant designing- Mr. D C Pant and Dr. P

	Raman, TERI
11:30am-11:45am	Tea/Coffee
11:45am-1:00pm	Experience sharing and feedback by Ethiopian delegates
1:00pm-2:00pm	Lunch
2:00pm- onwards	Campus visit
<i>Saturday-25th July</i>	Taj Mahal visit and back to Delhi
<i>Sunday-26th July</i> <i>(3:00pm onwards)</i>	Departure to Ludhiana and stay at Ludhiana
<i>Monday-27th July</i>	Site visit at Ludhiana and back to Delhi
<i>Tuesday-28th July</i>	Closing ceremony, distribution of certificates- Dr. Suneel Pandey , Associate Director, TERI
<i>Wednesday-29th July</i>	Departure from Delhi