

# SUSTAINING Environment

A non-profit researching and advising on sustainable environmental solutions for a cleaner and healthier society. ERAF experts work in tandem with the government and non government organizations to provide efficient waste management, sanitation, water supply, energy and pollution abatement solutions for improving the quality of life.

INTERACTIVE WORKSHOP ON  
**SWACHH BHARAT MISSION**  
*27-29 September ' 2018*  
GOA



Environment  
Research  
Foundation

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



# Welcome

Welcome to the '3-Day Interactive Workshop on the Swachh Bharat Mission (SBM)' – Take your understanding of Swachh Bharat Mission to the next level at this forum for sanitation and waste management planning supported by the NITI Aayog and CSIR- NEERI.

## Workshop Objectives:

- Objectives of the Swachh Bharat Mission – ODF and ODF plus
- Issues and challenges in the implementation of Swachh Bharat Mission
- Provisions & Procedures under the Waste Management Rules, 2016 and their amendments of 2018.
- Roles & functions of various officials in implementing SBM and Waste Management Rules, 2016,
- Legal framework of the Constitution of India and Municipal laws as regards SWM and Sanitation.
- Technology options for recycling, processing and disposal of liquid and solid wastes
- Examples and Good practices in sanitation and waste management
- Preparation of project plan for implementation of the SBM and Waste Management Rules, 2016,

## • IEC strategy to engage with the stakeholders

NAHRD and ERAF Environmental Research Foundation along with Sulabh International have organized this three day workshop on the Swachh Bharat Mission with the concept to present ways in which we can strengthen and expand upon the on-going change initiatives across sanitation and waste management sectors in the country. We aim to understand the criteria for selecting the most suited solution from the gamut of alternatives available, how to plan and manage it in a sustainable manner and incorporate behaviour science approaches to plug the gaps identified while implementing the projects under the Swachh Bharat Mission.

The sessions will include experts from the civic and private sector sharing their knowledge and experiences for taking actions towards achieving the objectives of the SBM. The group discussion and open forum sessions shall encourage the interaction of the participants through sharing their experiences, concerns, ideas and suggestions. In the final leg of the workshop, there will be a visit to the Solid Waste Management Facility at Saligao, Goa, showcasing best practices towards Solid Waste Management Rules, 2016.

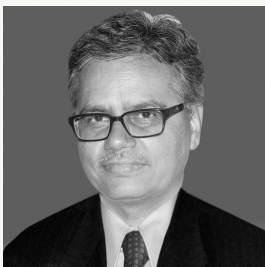
“Never doubt that a small group of thoughtful, committed citizens can change the world”

MARGARET MEAD

# ERAF Speakers



Mr. A.K. Jain, I.A.S. is the State Information Commissioner, Government of Maharashtra (GoM). During his career, he has held several important posts, from Assistant Collector to Additional Chief Secretary to Chief Minister's Office and has a vast experience in District Administration, Revenue Administration, Rural and Urban Development, focusing on both regulatory and development functions. His contribution towards sustainable development in the fields of basic urban services such as water supply, sanitation and waste management among others is immense and invaluable



Dr. Rakesh Kumar is the Director, CSIR-NEERI. He has a doctorate and M.Tech in Environmental Engineering and is a certified Lead Auditor for ISO 14001 (EARA-UK), RAB-USA. Dr. Kumar has given notable contribution in developing technologies for reuse and recycle of domestic and industrial wastewater, which brought a paradigm shift in the country. He has been awarded nationally and internationally for his work on Phytoremediation technology and has many publications in international journals to his credential. He has undertaken several projects and has many patents and copyrights to his name



Dr. Krishna Lala is the Sr. Project Manager in MHRD sponsored e-Yantra Project at the Department of Computer Science and Engineering, IIT Bombay. She holds a Ph.D. in Life Sciences and has worked at leading institutions such as Harvard Medical School, USA, National Research Council of Canada, Ottawa and NEERI in India. She has been associated with the SWM Cell established by the Government of Maharashtra in 2002 for capacity building and planning the implementation of the MSW(H&M) Rules, 2000 in the ULBs in Maharashtra



Mr. Ajay Saxena is a PPP Expert with years of professional experience in providing consultancy to the Government of India and various State Governments on different sectors. As PPP Expert with the Asian Development Bank he facilitated the Government of Maharashtra to promote PPP across all the sectors and has contributed to several projects such as the Regional SWM for Mumbai Metropolitan Region, Integrated Water Supply Project in Aurangabad, Integrated Water Supply and Sanitation Project in Bhiwandi, Sewage Treatment Plant at Nagpur in different capacities.



Dr. Ketna Atul Matkar is an expert Consultant on Environmental Microbiology, Solid Waste Management, and Food Waste Management with vast experience in corporate, academics, independent project management and research. She holds a PhD in Microbiology and PG Diploma in Sustainable Environment Management, Auditor-Integrated Management System and is also trained in Integrated Solid Waste Management, Municipal Solid Waste Management in Developing Countries (EAWAG-Switzerland), Politics and Economics of International Energy (Sciences PO-Paris) and Energy Future (University of California). She has expertise in Statistical Designing and Optimization (DOE-SSA).

## Guest Speakers



Dr. Lalit Kumar is the Hony. Senior Vice President at Sulabh International Social Service Organization. As Advisor Planning he dealt with policy issues in the Voluntary Sector. He has looked after sectors like Environment & Forests, Project Appraisal and Management, Social Development and Youth Affairs & Sports in different capacities. Niti Aayog invited him as an expert to contribute for drafting the '15 year Vision Document', acknowledged in the 'Three Years Action Agenda (2017 – 20)'. Dr. Lalit Kumar holds a Ph.D. in Anthropology, M.Sc. in Economics and has published two books and more than 50 papers in national and international journals.



Mr. Pundlik Awate is the former Chief Officer (SWM Projects), Municipal Corporation of Greater Mumbai (MCGM). He has several years of experience in implementing various solid waste management projects for the MCGM – development of a 3000 tpd, 25 MW waste to energy project and bio-mining project at the Deonar dumpsite, execution of the largest waste processing and disposal facility at Kanjur and scientific closure of the Gorai dumpsite along with Landfill Gas capture – CDM project. He was part of the Integrated Solid Waste Management Project (JNNURM funding), the Waste to Energy showcase project with PPP India (MoF, GoI) and the World Bank aided - Mumbai Sewage Disposal Project.



Dr. Sunil Kumar is the Senior Scientist, Solid and Hazardous Waste Management Division at CSIR-NEERI, Nagpur, India. He holds a Ph.D. in Environmental Engineering and an M.Tech. in Environmental Engineering and Management. His primary area of expertise is solid waste management, however his contributions cover a wide range of environmental topics including contaminated sites, waste water treatment and air pollution. He has published 96 journals, more than 15 books and book chapters and numerous project reports for various government bodies and private institutions nationally and internationally.

## ERAF Board

**Arun Palnitkar**  
Chairman



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