



DO No: MD-SBM/PP/42/2016

Date: 21st December 2016

Subject: Invitation to Fourth International Faecal Sludge Management Conference, Chennai, February 19 – 23, 2017

Dear Sir/Madam,

As you are aware, the Government of India is implementing 'Swachh Bharat Mission' (SBM) since October, 2014 with the goal of achieving a Clean and Open Defecation Free country by 2nd October 2019. Since majority of the population is dependent on On-Site Sanitation (OSS) Systems, it is critical to ensure septic tank and pit latrine sludge management. However, most cities still lack proper Faecal Sludge Management (FSM) systems in place, in absence of which Faecal Sludge is dumped hazardously and it leads to environment and health implications. The Government of India is making concerted efforts for all ULBs with population 1 lakh and above to ensure proper FSM, through the convergence of two flagship mission – SBM (Urban) and Atal Mission for Rejuvenation & Urban Transformation (AMRUT).

2. Since FSM plays a key role in achieving universal sanitation access, Government of Tamil Nadu with support from Ministry of Urban Development is hosting the Fourth International Faecal Sludge Management Conference on February 19 – 23, 2017, at Chennai. The conference will be convened by the FSM Conference Advisory Board. A detailed concept note of the Conference is enclosed for your reference (**Annexure – I**).

3. First three International FSM Conferences in Hanoi (2015) and in Durban (2011& 2012) were very much productive in terms of participation, discussion, brainstorming and global implication of the discussion. FSM4 aims to bring together 1000 delegates, from around 50 - 60 countries, working in the sector, including utilities, service providers, cities, governments, academics, scientists, consultants, donors and industries, to support and strengthen the global initiative of disseminating sustainable solutions for Faecal Sludge Management. The conference hopes to enable countries around the globe to deal with FSM more scientifically, with everyone's participation.

4. We cordially invite you to participate in the conference and request you to kindly nominate 1 participants from the 75 cities (million plus cities and state capitals), and 3 additional participants from other cities in your respective State/UT including State Urban Development Department officials, Municipal Commissioner, Mayors/ Chief

elected representatives, officers of AMRUT, Smart Cities and SBM. The venue for the workshop is Hotel ITC Grand Chola, Little Mount, Guindy, Chennai, Tamil Nadu 600032. We will be sharing a detailed agenda along with other relevant information with the confirmed participants.


5. The costs related to the participants' travel and accommodation can be met from their city's capacity building funds sanctioned under SBM. The registration fee of the participant will be sponsored by the organizer.

6. I request you to please communicate details of the confirmed participants, as per the enclosed format (**Annexure – II**) to Mr. Sampath Gopalan (+91 9650664777) on sampath@washinstitute.org. Any queries for the same may please also be directed to him. Kindly note that the last date for sending the participant nominations is January 10, 2017. The draft agenda is placed at **Annexure-III**.

We look forward to your support in making this event a success.

With regards,

Yours sincerely,



(Praveen Prakash)

To:
All State/UT Mission Directors
Municipal Commissioners from 75 cities (million plus cities and state capitals)

Copy To:
PS to Secretary, Ministry of Urban Development
DS (SBM-2), CPHEEO Section
Section

Annexure – I: Background note on ‘4th International FSM Conference’



4th International Faecal Sludge Management Conference to be held in Chennai during February 2017. FSM3 was held in Honai, Vietnam. The FSM conferences focuses to identify and share sustainable and innovative solutions for Faecal Sludge as one of the biggest urban problems in developing countries. FSM4 will focus on scaling up the practice and innovative solution happening throughout the globe and that includes three Tracks:

1. Research,
2. Case Studies,
3. Industry & Exhibition.

Background

This is very well known to the sector players that almost 2.7 billion people worldwide rely on onsite sanitation so this is very obvious that we have to deal with the septic tank and pit latrine sludge management. But, in reality to manage the faecal sludge properly and safely, there is no management system available as on date. In the absence of any proper management system, simply Faecal Sludge is dumped hazardously and it leads to environment and health implications. Keeping faecal sludge out of the environment is a major challenge for achieving universal sanitation access. This issue can be dealt with by creating suitable infrastructure and public services for Faecal Sludge Management (FSM), to ensure proper treatment and disposal of faecal matter, resulting in a safer environment for everyone.

Identifying FSM an important and serious matter is itself an achievement. In the year 2011, a global platform was created for discussion on FSM so that the challenges related to FSM can be addressed. The focus was given to formulate policy recommendations that promote best practices, share and brainstorm potential solutions and to identify lessons learned in how to make Faecal Sludge Management an integral part of sanitation service delivery.

The first three International FSM Conferences in Hanoi (2015) and in Durban (2011& 2012) were very much productive in terms of participation, discussion, brainstorming and global implication of the discussion. FSM4 aims to bring together 1000 delegates from around 50-60 countries, working in the sector, including utilities, service providers, cities, governments, academics, scientists, consultants, donors and industries, to support and strengthen the global initiative of disseminating sustainable solutions for FSM. The conference hopes to enable countries around the globe to deal with FSM more scientifically, with everyone's participation.

The FSM4 Conference will be held at Chennai, Tamil Nadu, where the State Government has recently initiated measures to address FSM with regard to policy, regulatory changes, innovative solutions, and pilots. As mentioned earlier, FSM4 will focus on scaling up the practice and innovative solution happening throughout the globe and that includes three tracks: *Research, Case Studies, Industry & Exhibition*

FSM Research Track

Success of FSM Program depends on the success and acceptance of the public and FSM programs requires that decisions are made based on available data and research papers. Hence, documenting the research on FSM and its outcome is pivotal. The focus will be on new FSM research results that are applicable for low and middle income countries. This includes aspects such as:

- Characterization of Faecal Sludge
- Health, safety and hygiene
- Technologies for the treatment / disposal of Faecal Sludge
- The role of education
- Economics and Business

FSM Case Studies Track

Case studies and lessons learned from practical experiences of providing and managing FSM services and infrastructure will be presented during the FSM4. These will be examples of successful FSM at scale in low and middle income countries, along with lessons learned from successes and failures in places where city FSM operations are still developing. The case studies will be strongly evidence based, including data on population served, and address, among other aspects:

- Institutional arrangements and regulation
- On-call services and/or regular de-sludging
- Faecal sludge collection, treatment and reuse
- Policy and legislation
- Tariffs, billing systems and financing for FSM services
- The development of FSM services over time
- Scope for scale up / replication

FSM Industry and Exhibition Track

FSM relevant products and services across the entire FSM chain will be exhibited to provide an outreach platform. It will create a physical space for suppliers and customers of FSM solutions to interact, demonstrate practical evidence, disseminate information and build alliances. The product and services highlighted will be relevant to FSM specifically and not sanitation in general. This includes options/solutions for

- Safe capture and containment
- Monitoring and Evaluation of FSM
- Emptying and transportation
- FSM Capacity Development
- Treatment and Reuse
- Programs, Regulations and Financing of FSM
- Planning and communication tools for FSM
- Business Models for FSM

Target Audience

- Municipal/Corporation Commissioners
- Government officials
- Engineers from ULBs
- FSM Service providers/Entrepreneurs
- NGOs/INGOs/CSOs/Organisations/agencies engaged in FSM promotion
- Researchers/Scientists/Consultants
- Corporates
- Students/youth/CBOs

The Venue

The FSM4 Conference will be held at the ITC Grand Chola in Chennai, Tamil Nadu.

Date

19-23, February 2017

Convenors

The FSM4 conference is convened by the FSM Conference Advisory Board composed of leading organizations and individual experts:

- Asian Development Bank
- Water Research Commission (ZA)
- World Bank-WSP
- Bill & Melinda Gates Foundation (US)
- UNESCO-IHE (NL)
- Eawag- Sandec (CH)

- GIZ (DE)
- Sustainable Sanitation Alliance
- University of KwaZulu-Natal (ZA)
- BORDA (DE)
- Indian Partners

Annexure – II: Participant Nomination Form

| | |
|---|--|
| First Name | |
| Last Name | |
| Contact Number | |
| Email Address | |
| Name of Organisation | |
| Designation | |
| Dietary Requirements (Vegetarian/ Vegan/ Gluten free/ Halaal/ Strictly Kosher/ Nut Allergies/ Other) | |

Annexure – III: Draft Agenda



**4th International Faecal Sludge Management Conference
Chennai, India | February 19 – 23, 2017**

DRAFT AGENDA

Sunday, February 19, 2017

| | | |
|----------------|------------------------------|------------------------|
| 9:00 to 15:00 | Field Trips 1 & 2 | |
| 11:00 to 17:00 | Field Trips 1 & 2 | |
| 8:30 to 21:00 | Registration Opens | <i>Hibiscus Lounge</i> |
| 18:00 to 21:00 | Welcome Reception | <i>TBD</i> |

Monday, February 20, 2017

| | | |
|----------------|---|---|
| 9:00 to 10:00 | Plenary Welcome by Conference Chair Address from Government of Tamil Nadu Address from Government of India, TBC | <i>Rajendra 1-3</i> |
| 10:00 to 10:30 | Break | <i>Rajendra Foyer</i> |
| 10:30 to 12:00 | Track Sessions Research Track 1.1: Thermal, Drying & Dewatering Research Track 1.2: Thermal, Drying & Dewatering Case Studies 1.1: Container-based Sanitation Case Studies 1.2: Managing FSM in India Industry 1.1: City Scale Industry 1.2: FSM Logistics | <i>Rajendra 4</i> <i>Rajendra 5</i> <i>Rajendra 6</i> <i>Rajendra 7</i> <i>Rajendra 8</i> <i>Annex 1-2</i> |
| 12:00 to 13:15 | Lunch | <i>Rajendra 7-8</i> |
| 13:00 to 14:15 | Interactive Session: videos / posters / competitions | |
| 14:30 to 15:15 | Plenary Address for India, TBC | <i>Rajendra 1-3</i> |
| 15:15 to 15:45 | Break | <i>Rajendra Foyer</i> |



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|----------------|---|--|
| 16:00 to 17:30 | <p>Track Sessions</p> <p>Research Track 1.3: Integrated Processes</p> <p>Research Track 1.4: Integrated Processes</p> <p>Case Studies 1.3: Organizing FSM</p> <p>Case Studies 1.4: FSM & Urban Management</p> <p>Industry 1.3: Education & Building Capacity</p> <p>Industry 1.4: Knowledge Management</p> <p><i>Dinner by own arrangement – not included in meeting</i></p> | <p><i>Rajendra 4</i></p> <p><i>Rajendra 5</i></p> <p><i>Rajendra 6</i></p> <p><i>Rajendra 7</i></p> <p><i>Rajendra 8</i></p> <p><i>Annex 1-2</i></p> |
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Tuesday, February 21, 2017

| | | |
|----------------|---|--|
| 9:00 to 10:00 | <p>Opening Plenary</p> <p>Welcome by Conference Chair</p> <p>FSM Asia Case Study: Malaysia</p> <p>FSM Africa Case Study: Senega</p> | <i>Rajendra 1-3</i> |
| 10:00 to 10:30 | Break | <i>Rajendra Foyer</i> |
| 10:30 to 12:00 | <p>Track Sessions</p> <p>Research Track 2.1: Economics, Business & Intuitional Framework</p> <p>Research Track 2.2: Design & Evaluation</p> <p>Case Studies 2.1: Bringing FSM Operators into the Service Chain</p> <p>Case Studies 2.2: Public/Private Partnerships for FSM</p> <p>Industry 2.1: FSM Tools and Planning</p> <p>Industry 2.2: Innovations at Work 1</p> | <p><i>Rajendra 4</i></p> <p><i>Rajendra 5</i></p> <p><i>Rajendra 6</i></p> <p><i>Rajendra 7</i></p> <p><i>Rajendra 8</i></p> <p><i>Annex 1-2</i></p> |
| 12:00 to 13:15 | Lunch | <i>Rajendra 7-8</i> |
| 13:00 to 14:15 | Interactive Session: videos / posters / competitions | |
| 14:30 to 15:15 | <p>Plenary</p> <p>Transformative Technology and Sanitation Innovation</p> <p>Cheryl Hicks, Toilet Board Coalition</p> | <i>Rajendra 1-3</i> |
| 15:15 to 15:45 | Break | <i>Rajendra Foyer</i> |



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|----------------|--|---|
| 16:00 to 17:30 | Track Sessions Research Track 2.3: Characterisation and Nutrient Recovery Research Track 2.4: TBD Case Studies 2.3: Resource Recovery Case Studies 2.4: Faecal Sludge Industry 2.3: FSM as Business Industry 2.4: Innovations at Work 2 | <i>Rajendra 4</i> <i>Rajendra 5</i> <i>Rajendra 6</i> <i>Rajendra 7</i> <i>Rajendra 8</i> <i>Annex 1-2</i> |
| 18:15 to 20:15 | Conference Dinner | <i>Location TBD</i> |

Wednesday, February 22, 2017

| | | |
|----------------|--|---|
| 9:00 to 10:00 | Plenary Asian Development Bank Water Research Commission | <i>Rajendra 1-3</i> |
| 10:00 to 10:30 | Break | <i>Rajendra Foyer</i> |
| 10:30 to 12:00 | Track Sessions Research Track 3.1: Social Aspects of FSM Research Track 3.2: Health, Safety & Hygiene Case Studies 3.1: Developing Small FSM Businesses Case Studies 3.2: Small FSM Businesses in the Market Industry 3.1: Learning from Research Industry 3.2: Jobs in FSM – Role of Women | <i>Rajendra 4</i> <i>Rajendra 5</i> <i>Rajendra 6</i> <i>Rajendra 7</i> <i>Rajendra 8</i> <i>Annex 1-2</i> |
| 12:00 to 13:15 | Lunch | <i>Rajendra 7-8</i> |
| 13:00 to 14:15 | Interactive Session: videos / posters / competitions | |
| 14:30 to 16:00 | Track Sessions Research Track 3.3: Emptying & Additives Research Track 3.4: Biotreatment Case Studies 3.3: Coordinating FSM Service Providers Case Studies 3.4: TBD Industry 3.3: Monitoring & Evaluation Industry 3.4: Finance & Marketing | <i>Rajendra 4</i> <i>Rajendra 5</i> <i>Rajendra 6</i> <i>Rajendra 7</i> <i>Rajendra 8</i> <i>Annex 1-2</i> |
| 16:15 to 16:45 | Break | <i>Rajendra Foyer</i> |



16:45 to 17:30

Closing Plenary

Award Ceremony & Closing Remarks

Brian Arbogast, Bill & Melinda Gates Foundation

Other Speakers TBC

Conclusion of Meeting

Rajendra 1-3

Thursday, February 23, 2017

9:00 to 17:00

Workshops (Optional)

Details TBD

Rajendra Rooms

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