Sensitisation Workshop cum Regional Conclave on
Handholding Support for Preparation of City Sanitation Plans with Special emphasis on Septage Management

About Centre for Science & Environment (CSE) & About the Workshop Objectives

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CSE – Background

Set up in 1980’s

The centre promotes sustainable development with equity, participation and democracy through –

• knowledge based activism
• policy research combined with public awareness
CSE – 1980 – till date

- CSE - established in 1982
  (Awarded Stockholm World Water Prize 2005)
- CSE Regional – South Asia 2008-13
- CSE Global – 2014 and beyond

A global South based think-tank and capacity building institution. Linking national – global and contributing in global dialogue/ processes
CSE – Recognised for Research & Capacity Building

- National Knowledge Resource Centre (KRC) in the area of sustainable drinking water and sanitation by the Union Ministry of Drinking Water and Sanitation.

- Centre of Excellence (CoE) in the area of sustainable urban water management by the Union Ministry of Urban Development.


- Nodal Institute for conducting short- and long-term training programmes for environment regulators by the Union Ministry of Environment and Forests (MoEF).

- Currently working with State Govt. of Kerala, A.P, Telengana and recently partnered with Jharkhand, Delhi, Goa.
35+ years, 150+ staff, learning, sharing and pushing for change

<table>
<thead>
<tr>
<th>Policy research &amp; advocacy</th>
<th>Documenting to build knowledge</th>
<th>Disseminating knowledge</th>
<th>Training &amp; education</th>
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<tbody>
<tr>
<td>Sustainable mobility &amp; Clean Air</td>
<td>Knowledge portal</td>
<td>Down To Earth</td>
<td>Green School Programme</td>
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<td>Sustainable habitat</td>
<td>Climate change Resource Centre</td>
<td>Gobar Times</td>
<td>Media Resource Centre</td>
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<td>Sustainable industrialization</td>
<td></td>
<td>CSE Websites</td>
<td>Anil Agarwal Green College/ Environment Training Institute</td>
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<td>Sustainable Water - Waste water management</td>
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<td>Books</td>
<td>Regulators training</td>
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<td>Climate change</td>
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<td>Films</td>
<td>South-South Learning, training and capacity building</td>
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<td>Renewable energy</td>
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<td>Food safety &amp; toxins</td>
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CSE WATER PROGRAMME – INITIATIVES

1. Septage management including decentralised wastewater treatment incl local reuse/recycle
2. Conservation / protection/ restoration of water bodies in urban areas including rainwater harvesting
3. Water sensitive design and planning including water efficiency & Conservation
4. River Pollution
5. Greening rural development
Sewage & Septage / Faecal Sludge Management:

Urban India
30% of total sewage can be treated and 31% of treatment capacity in Delhi & Mumbai.

Significant population still dependent on Septic tanks (non-sewered, on-site sanitation systems) with inadequate mechanisms.
Ganga Basin Sewage Treatment - Gap

• 11 Ganga Basin States- 12050 mld (class I & II cities) - approx. 20 % of total.

• 5 Ganga basin state along main river stem (175 Class I and 102 Class II towns) generate- **7301 mld** i.e approx. 12 % of total

• **Sewage Treatment Capacity in Ganga Basin** – **2125 mld** (1188 mld under approval/ construction) 3313 mld

• **Shortfall of 8737 mld / 3988 mld along river stem**

*Source: MoWRD&GR, RAJYA SABHA UNSTARRED QUESTION NO. 152 ANSWERED ON 25.04.2016*
Urban India: Excreta Flows
(Sewage & Septage)

Source: WSB World Bank

<table>
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<tr>
<th>Sewer coverage</th>
<th>No of Cities</th>
<th>% of population</th>
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</thead>
<tbody>
<tr>
<td>&lt;10 %</td>
<td>191</td>
<td>16.45%</td>
</tr>
<tr>
<td>10 - 30%</td>
<td>158</td>
<td>20.10%</td>
</tr>
<tr>
<td>30 - 60%</td>
<td>75</td>
<td>24.22%</td>
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<tr>
<td>&gt;60%</td>
<td>78</td>
<td>39.23%</td>
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</tbody>
</table>

50% WC to sewer
41% On-site facility
9% Open defecation (including open pits)
81% Local area and beyond, via drains
19% Reuse/disposal

9% Not treated
17% Leakage
41% Not treated but unknown where it goes
14% Receiving Waters

Source: Census 2011
Ganga Basin Cities: Excreta Flows (Sewage & Septage)

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<tr>
<td>&lt;10 %</td>
<td>57</td>
<td>2%</td>
<td>25%</td>
</tr>
<tr>
<td>10 - 30%</td>
<td>64</td>
<td>6%</td>
<td>36%</td>
</tr>
<tr>
<td>30 - 60%</td>
<td>16</td>
<td>13%</td>
<td>27%</td>
</tr>
<tr>
<td>&gt;60%</td>
<td>6</td>
<td>8%</td>
<td>12%</td>
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Source: Census 2011
Wastewater Scenario
About this Workshop & its Objectives
The project aim is to address convergence/integration challenges in policy and implementation of national, state and any other programmes in target states/cities.
Aim and Objectives of the Workshop

Aim:
• Sensitisation and knowledge enhancement of decision makers in Ganga basin/SFD- cities/ towns on preparation of city owned City Sanitation Plan with spl. focus on effective faecal sludge management.

Objectives:
• Knowledge sharing on the impacts of inadequate sanitation and challenges faced by towns / cities in target cities.
• To understand the importance of preparing City Sanitation Plan (CSP) that are owned by urban local bodies as well as stakeholders.
• To inform about the importance of effective septage/faecal sludge management for achieving improved sanitation in Indian towns/cities – tools, concepts and techniques.
• To understand the various pillars that create an enabling environment for the implementation of CSP.
Target Cities
Ganga Basin – Target Cities
CSE Capacity Building Initiative on Citywide Sanitation & effective Septage Management in target cities

Phase 1 (2 year) project of a 5 year programme on Capacitating Urban Local Bodies on Sustainable Water and Waste.

Programme partners:

- Swacch Bharat Mission & AMRUT – MoUD,
- National Mission Clean Ganga : *Namami Gange* – MoWR, RD&GR
- Target States govt. / Urban Local Bodies (12 Ganga basin cities and 11 cities across India) in Phase 1.
Capacity Building Project Components: 2015-2017

- Handholding support to ULBs in Preparation of CSPs & Effective Septage Management (includes National / International Exposure Visits)

- Setting up of India’s first referral laboratory on wastewater and faecal sludge including Training of trainers – other labs from across country

- Independent Ganga monitoring plan

- Helpdesk to for improved diagnosis (both Sewage & Septage) - for improved Urban Sanitation Programming incl. – regional workshops, webinars, regional conclave, training of trainers and handholding support to select cities.
Workshop

Day 1 : 18th July 2016

Session 1: Sanitation Overview & Rollout process for CSP preparation

Session 2: Effective Septage Management & Excreta Flow Diagnosis : SFD

Day 2 : 19th July 2016

Session 3: Field Visit – Best Management Practice Waste Management

Session 4: Best Practices of Solid Waste Management

Closing Session: Way Forward

Session 5: Policy Integration Challenges and Opportunities
Thank You