AAETI
Anil Agarwal Environment Training Institute
Citywide Sanitation
Why Sanitation

**Human health**
- Global death toll: more than 2.2 million people per year, mostly children under age of 5 years
- In India more than 2,000 children below 5 years die every day

**Gender aspects**
- Women & girls face drudgery & serious health disorders – due to lack of toilets, lack of privacy, long waiting time
- Girls lose school days, discontinue schools
- High rate of crimes and violence against women - when they are out for defecation

**Environmental impacts**
- Contamination of the environment (land, ground water, water bodies)
- Reduced ecosystem services
- Reduced scenic beauty

**Economy**
- Total economic impacts of inadequate sanitation – 2.44 trillion a year
- Health related economic impact
- Access time
- Reduced income from tourism

Source: WSP Report on The Economic Impacts of inadequate sanitation in India, 2006
Why City Sanitation Planning

Causes of water contamination

- Ground water Contamination
- Direct contact with polluted water
- Sewage into streams
- Direct discharge into water bodies
- Multiple dimensions
- Stagnation
- Direct disposal
What is a City Sanitation Plan

**CSP details out how to plan and deliver the sanitation services in the city**

Areas of CSP:

1. Technical Options for addressing sanitation issues/gaps
2. Financial sustainability and institutional requirements
3. Awareness generation and community participation
4. Reaching to the Un-Served and poor households
5. Regulatory/legal requirements
6. Planning and Financing
7. Capacity Building & Training
8. Implementation management
Steps in CSP process

**Initiating CSP**
- Stakeholder mapping
- Constitution of CSTF
- CSTF to kick start the process of CSP preparation

**Preparation of Status Report**
- Baseline data collection e.g.
  - City profile
  - Water supply
  - Wastewater
  - Solid waste
  - Storm water
  - Access to toilets etc.
- Review baseline to identify data gaps

**Draft CSP**
- Data analysis, & Interpretation
- Demand supply gap analysis
- Identification of key issues

**Final CSP**
- Sectorial strategies & recommendations for identified issue
- Action plan: Short, medium and long term
- Approval of CSP

Endorsement by City Sanitation Task Force (CSTF)
CSE’s approach for CSP

- CSP Sensitisation Workshop
- 1st Handholding training
- 2nd Handholding training
- 3rd Handholding training
- CSP Review Workshop

- Demand-supply gap analysis and key issue prioritisation
- Review of key issues
- Sectoral strategies, recommendations and action plan
- National exposure visit
- International exposure visit
World Sanitation Scenario

2.7 billion people depend on On-Site Sanitation (OSS) systems
By March 2018, 17 states will be declared ODF and more than 6 crore toilets would have been built under SBM(G)
NDTV film
Why FSM is an integral part of Citywide Sanitation?

Policy Framework - Legal & Environmental

Sanitation - Health & Environment

Insufficient Infrastructure/Measures

Resource recovery
Take back points

• 100% of human excreta and liquid wastes from all sanitation facilities must be treated and reused
• Promoting proper functioning of network-based sewerage systems and ensuring connections of households to them
• Waste water and Faecal sludge should be treated at decentralised scale so that cost of conveyance is reduced and possibility of reuse increases
• Encourage recycle and reuse of treated waste water for non-potable applications, wherever possible.