CSE Online Impact Workshop cum Master Class
On Capacity building initiative for Citywide Water and Sanitation Management

Theme 1: Sanitation Safety Plan, City Sanitation Plan and Citywide Inclusive Sanitation

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Training Attended: Sanitation Safety Planning, 2019

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Topic of Presentation: Sanitation Safety Planning at Kochi Municipal Corporation

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Sanitation Safety Planning at Kochi Municipal Corporation

by
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Presented at
Online Impact Workshop cum Master Class on Capacity Building initiative for Citywide Water and Sanitation Management

on June 30, 2020
Background

- KMC has 74 wards and a population of about 600,000.
- Two wards were selected for SSP.
- These wards border urban canals within Kochi and is used to dump waste water.

Water Stress

- Area = 0.79 Sq.km; Population = 7933
- Area = 1.25 Sq.km; Population = 8734

Pie Chart
- 8% Septic Tank
- 20% WWTP
- 72% Drain to Canal
## Preparation for SSP

- **Ward level survey**
- **Setting the objectives**
- **Stakeholder analysis**

### SSP Member | Role in SSP
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Corporation Council Members | • Enable all activities on the field  
• SSP improvement plan items to guide funding allocation for municipal sanitation activities  

Academic Institution | Technical support, surveys, sampling waste water  

Health Inspector | • data collection  
• hazard and risk assessments  
• improvement plans  

Cooperative Hospital | • Health related inputs  
• Health risk assessment  

Centre for Heritage, Environment & Development (C-HED) | Facilitating organization  

Residence association | • To provide information  
• To permit sampling & survey  

Kerala water Authority | • wastewater and drainage contextual information
Description of Sanitation System

- **Water Distribution**
  - KWA

- **Waste Water from Households**
  - **Sewer Network**

- **Septic Tank**

- **Ground Water Source**
  - **Infiltration**

- **Vacuum Tankers**

- **Ground Water extraction**

- **Flooding**
  - **Effluent**
  - **Landfill**

- **Sludge Treatment**

- **Treated waste water**

- **Disposal to Canal**

- **Workers**

- **Local Community**
Assessing Exposure Risks

Once SSP team identified the high priority risks, an improvement plan was developed to protect exposure groups.

An operational monitoring plan was developed.
CSE Training Impact

1. First SSP exercise in Kerala, a model for other ULGs
2. CSE training brought clarity on various SSP processes allowing its implementation at Kochi
3. Field exposure & case studies helped in adequate preparation for SSP
4. Simple measures could be identified which provide significant improvements in exposure risks
5. SSP at Kochi helped in creating awareness among elected representatives and stakeholders on the concept of safe sanitation
6. SSP provided additional thrust to ongoing canal rejuvenation initiatives at Kochi