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

Theme 2: Faecal Sludge and Decentralized Wastewater Treatment

**Sunil Kumar Gupta**
Nominated team members at various trainings and exposure visit for Faecal Sludge and Septage Management and was a part of International Exposure Visit to Malaysia for FSSM.

**Designation and Organisation:** General Manager, Gomti Pollution Control Unit, Uttar Pradesh Jal Nigam, Lucknow

**Institutional partnership for Faecal Sludge and Septage Management in Uttar Pradesh (Uttar Pradesh Jal Nigam / Department of Urban Development (U.P.))**

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Uttar Pradesh Jal Nigam: learnings from CSE Trainings

S K Gupta, General Manager, GPCU, UP Jal Nigam, Lucknow

CSE Online Impact Workshop cum Master Class
UP Jal Nigam: FSSM in Uttar Pradesh

• UP Jal Nigam is a state parastatal body responsible for water supply and sewerage projects in cities across the state of Uttar Pradesh.

• UP Jal Nigam has been appointed as the implementing agency of construction of FSTPs in AMRUT cities in the state.

• 60+ officials from Uttar Pradesh Jal Nigam have participated in CSE training over the last 5 years for Citywide Sanitation focusing on FSSM

• CSE capacity building of UP Jal Nigam included:
  • 5 Technical Trainings
  • 2 State / Regional workshops
  • 3 National Exposure Visits
  • 3 International Exposure Visits
60+ UPJN Engineers attended trainings and exposure visits organized by CSE

Exposure visit to FSTPs in Bhubaneswar and Co-Treatment in Puri (Odisha)

Exposure visit to Sakhipur FSTP in Bangladesh

Supported in Multi-country twinning programme – Malaysia, Indonesia, Philippines
32 KLD FSTP in Unnao: Pilot by UP Jal Nigam

- Operationalized in October 2019.
- Mix of mechanized and nature-based technology.
- Learnings from implementation of this FSTP to be used in other projects in the state.
- Testing conducted by 3 labs including CSE-EML, CSIR-IITR found outlet confirming to latest CPCB norms.
Scaling-up FSTPs in Uttar Pradesh by UPJN

• UPJN supporting FSSM in 57 cities through AMRUT
  • FSTP in 36 cities
    • 1 FSTP is operational - Unnao
    • 4 FSTPs under construction – Loni, Modinagar, Raebareli, Lakhimpur
    • 31 FSTPs – Letter of Award issued
  • Co-Treatment of FS in STPs (with pre-treatment) in 21 cities
    • 4 Projects – Letter of Award issued
    • 17 Projects – Tendering

• FSTP in Chunar under construction through NMCG funding & CSE’s knowledge support.
Roadmap: How CSE can further support UPJN in mainstreaming FSSM across the state

- In future all 562 ULBs in the state to have FSTPs (State FSSM Policy).
- Capacity building of all engineers e.g. 4 Engineers per month
  - Showcasing Best Practices through trainings and exposure visits.
  - Trainings can focus on O&M issues and sustainability.
- CSE Lab can do testing of FSTPs and give recommendation on the type of technology –
  - What works & what does not?
  - Uttar Pradesh context – what should be preferred?

Thank You