

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

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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

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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, Phillipines



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.



Liquid treatment by nature-based technology



Tertiary treatment by UV treatment and activated carbon filter



Screw Press for Solid-Liquid separation



Drying beds covered by polycarbonate sheets

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