



# Review Meeting 7<sup>th</sup> July 2020

CSE partnership with DoUD GoUP in supporting  
Effective Faecal Sludge and Septage Management for citywide sanitation



A summary of previous year activities, present status and plan for coming year

May 2020- April 2021

# Programme Objective:

Strengthen capacities of UP state and city officials to implement city wide effective **Fecal Sludge and Septage Management (FSSM)** through **State Level Programme Support Unit** and **City Level Technical Support Unit (2 – Deep-dive Cities)**

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

DEPARTMENT OF URBAN DEVELOPMENT  
GOVERNMENT OF UTTAR PRADESH  
LUCKNOW, INDIA

AND

CENTRE FOR SCIENCE AND ENVIRONMENT  
NEW DELHI, INDIA

ON

"SUPPORT FOR EFFECTIVE SEPTAGE  
MANAGEMENT IN UTTAR PRADESH"

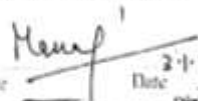
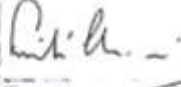
ARTICLE 10: COMMUNICATION AND REPORTING

All correspondence in connection with this MoU must be addressed to the following:

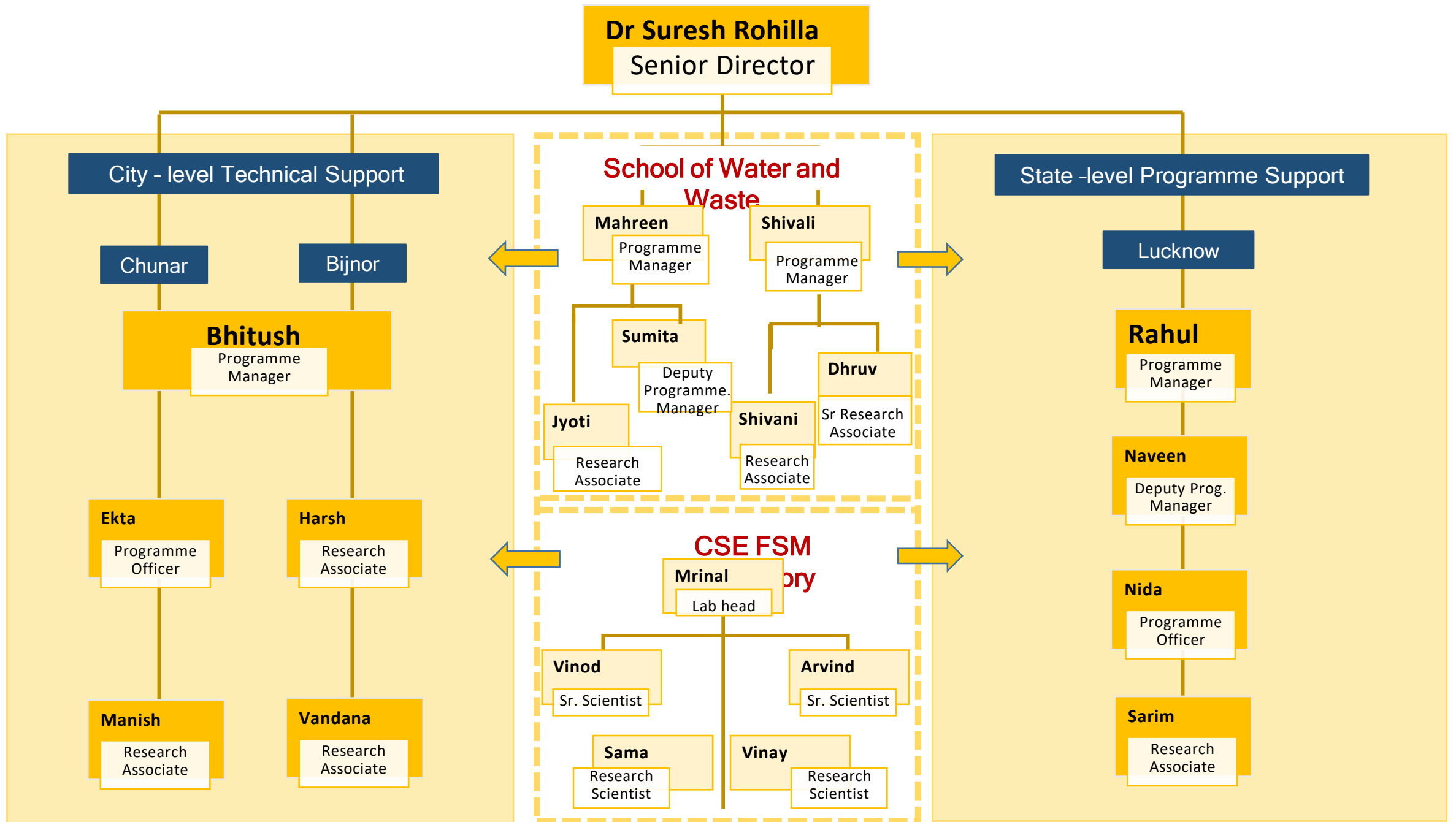
Principal Secretary Department of Urban Development, (Government of Uttar Pradesh, 8 <sup>th</sup> Floor, Bapu Bhawan, Lucknow - 226001) Phone: 0522-2230467, 2214751	Director General, Centre for Science and Environment 41, Tagore Park Institutional Area New Delhi - 110062, India Phone: 011-26055121, 26056110, 26056394, 26056799
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IN WITNESS WHEREOF, the foregoing represents the understanding reached between the Parties on the matter as referred to in this MoU and does not create any legally binding obligations upon the Parties, and the duly authorized representatives of the Parties affix their signatures below.

Signed in on this 3<sup>rd</sup> day of January, 2018 for and on behalf of:

Department of Urban Development Government of Uttar Pradesh	Centre for Science and Environment
 Signature Date 2-1-18	 Signature Date 07-12-17
Principal Secretary	Director General
Witness VIVEK K. GUPTA	Witness TANUL JHA
H-SN TIWARY	

CSE & DoUD  
– MoU  
Jan 2018



14 member dedicated team; State & City support

# Snapshot of CSE in Uttar Pradesh...

**(Sept 2016 - Apr 2018):** Capacity Building of State and Non-State Actors in Ganga Basin for **City Sanitation Planning**



**(Jan 2018 - Apr 2020):** Partnership with DoUD (U.P.) in Effective **Faecal Sludge and Septage Management** for Citywide Sanitation



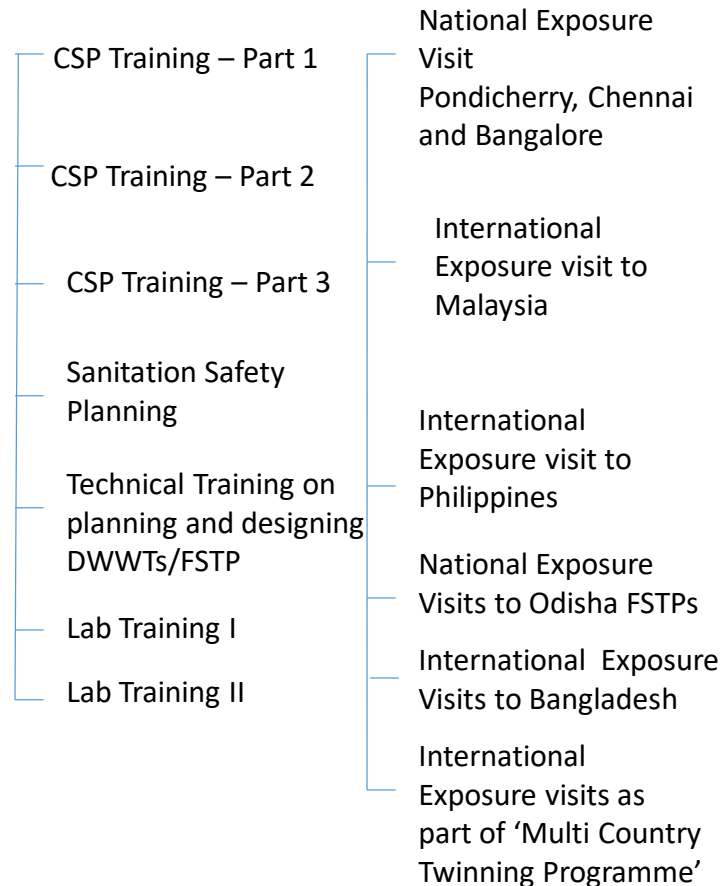
# Key activities in support of FSSM for Citywide Sanitation in Uttar Pradesh

# Overview of Capacity Building Activities in Uttar Pradesh

(Trainings and Exposure Visits over the past 5 years)

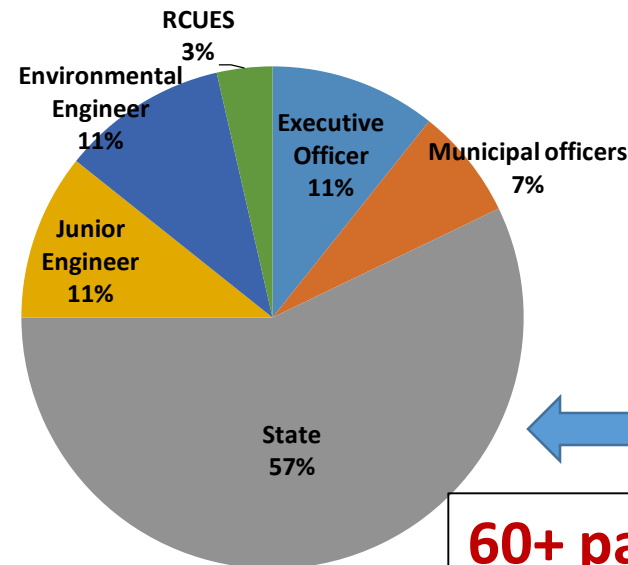
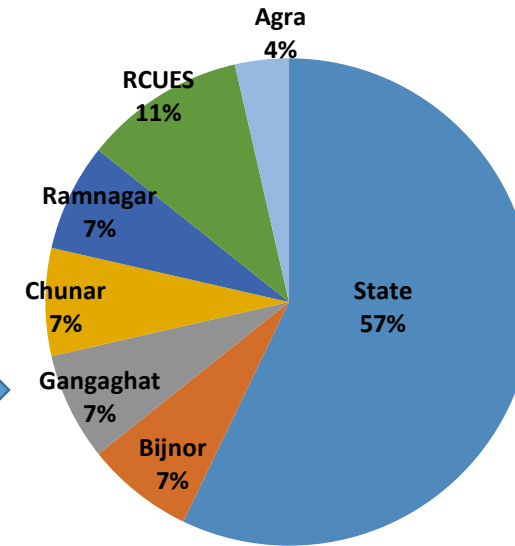
7  
Trainings

6  
Exposure  
visits



**More than 300  
participants  
from U.P.**

Participation from  
Uttar Pradesh (Sept  
2016-Apr 2018)



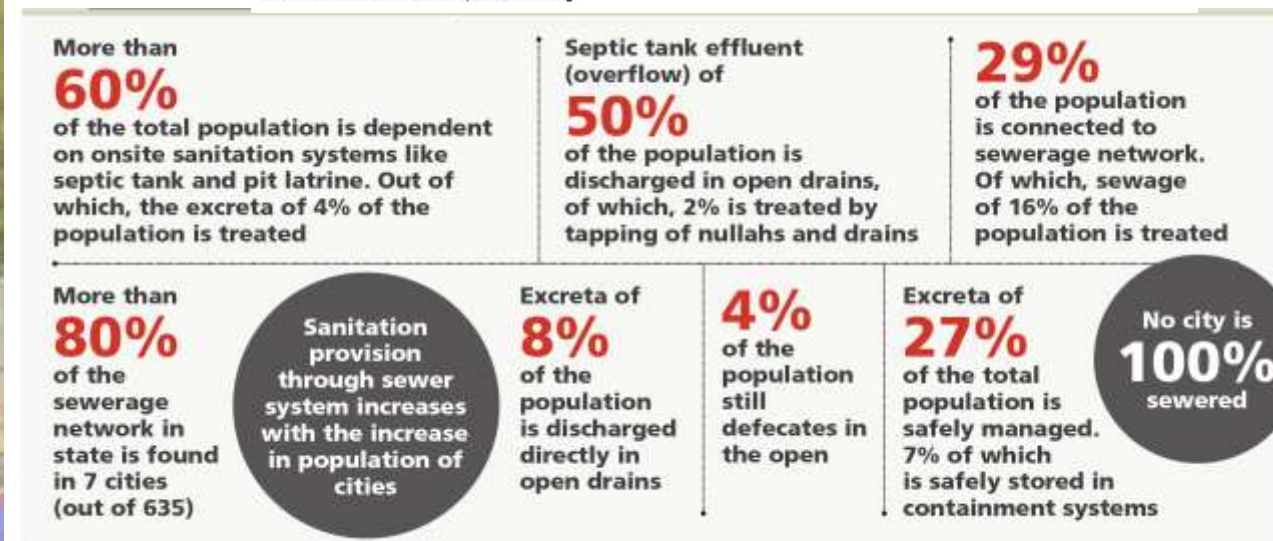
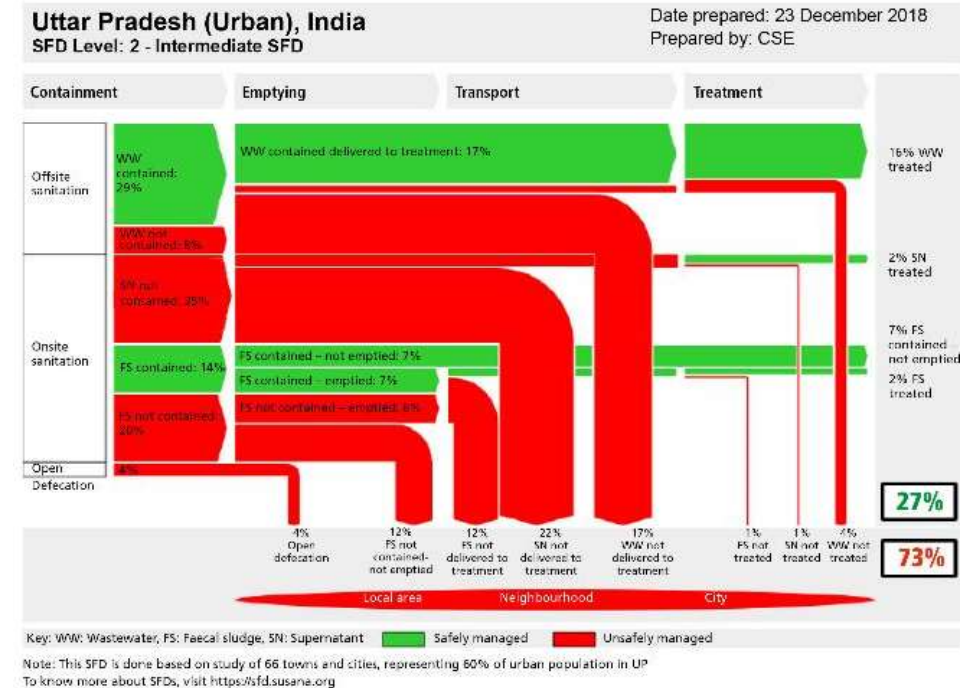
Diversity of  
Participation from  
Uttar Pradesh (Sept  
2016-Apr 2018)

**60+ participants from  
U.P. Jal Nigam**



# Assessment of Excreta Management 66 Cities in U.P

- To understand the gaps in sanitation across Ganga basin, Shit Flow Diagram for 66 major cities in the state of Uttar Pradesh are developed
- These SFDs are used to develop the **state level SFD** and **basin level SFD**



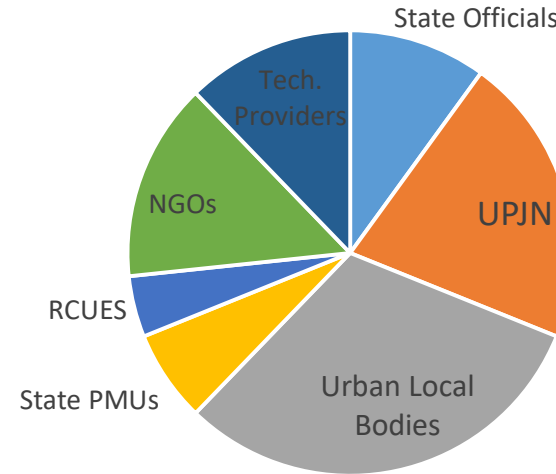
\*This study is done based on data collected by CSE in October, 2018



# State Workshop FSSM in Lucknow Oct'18



## Total Participation - 78



## Key Note Speakers

<b>Shri Manoj Kumar Singh</b>	<b>PS, DoUD</b>
Ms Sunita Narain	DG, CSE
<b>Shri G S Priyadarshi</b>	<b>SMD, AMRUT</b>
Ms Madhu Krishna	<b>Country Lead, BMGF</b>

## Guest Speakers / Resource Persons

CEO WaterAid India, Rep. WaterAid Bangladesh, IWMI Sri Lanka, Technology Providers in FSSM, Remote session: IWK, Malaysia, BWD, Philippines, Rep. ASCI – supporting A.P.

## Launch of Reports & Tools



**SANI-KiT**  
PREPARING A CITY SANITATION PLAN





# Snapshot of Uttar Pradesh FSSM Progress 2019-20

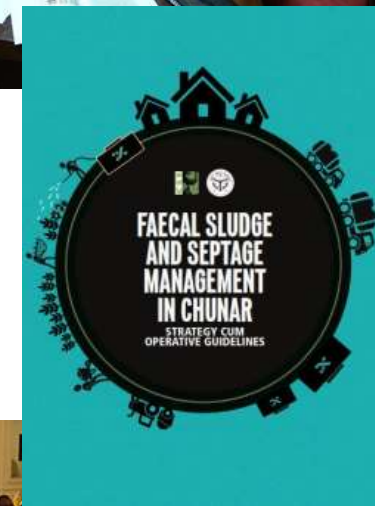
- **Operationalized FSTP in Jhansi and Unnao (October 2019)**
- FSTP implementation Status
  - **Under Construction**
    - **AMRUT: 4 cities** (*Lakhimpur, Raebareli, Loni, Modinagar*)
    - **Namami Gange: 1 city** (Chunar) – **CSE Knowledge Partner**
  - **Contractor selected for FSTPs: 31 (Cities)**
  - **Contractor selected for Co-Treatment: 4 (Cities)**
  - **Tenders under evaluation of Co-Treatment: 17 (Cities)**
- **Septage Management policy operationalized in Oct 2019.**
- Several city have started registration and **licensing of De-sludgers for decanting faecal sludge at Sewage Pumping Station / Sewage Treatment Plant.**
- **City level FSSM Bye-laws approved in Bijnor, Chunar, Jhansi.**
- **CSE city-level FSSM guidelines approved by Chunar City Council.**

# State-Level Programme Support in Uttar Pradesh: Planned Vs Achieved

2019-20

# STATE LEVEL SUPPORT: Planned Vs Achieved

Planned (March'19)	Status (July'20)
Endorsement of <b>State FSSM Policy</b> with a focus on complete value chain	<ul style="list-style-type: none"> <li>• <b>Septage Management policy</b> issued on Oct'19</li> </ul>
State level trainings, workshop and exposure visit for effective FSSM	<p>1 - State Trainings (<b>July'19</b>), <span style="float: right;">1 -</span>  <b>National Exposure Visit to Odisha (July'19) and</b>  <b>1 – International Training cum Exposure Visit to Bangladesh (Feb'19)</b></p> <p>3 – training under AMRUT capacity building initiative</p> <p>Orientations to ~60 municipal functionaries through Directorate of Local Bodies.</p>
Report for Co-Treatment of FS in STP (Bharwara STP Lucknow)	Report of Co-Treatment of FSS in STP presented to PS DoUD in Aug 2020. <b>Co-Treatment tendered in 21 cities</b> and CSE Lab testing initiated at STP in <b>Bharwara, Lucknow</b> to assess impact of FS on STP.
State Level Platform of Collaboration and Convergence in Citywide Sanitation	<p><b>'Alliance for Urban Transformation'</b> formed. First meeting held on 13<sup>th</sup> Feb 2020.</p> <p>Second virtual meeting held in April 2020 for collaborative support for COVID-19</p>





# Supporting UPJN in FSTP implementation

- **Consultation with Private Sector** for participation in FSTP tenders.
- **Inputs to the tender documents** for increasing participation.
- **Support in lab testing of operationalized FSTPs** including FSTP in Unnao, Jhansi and Co-Treatment of FS in STP in Bharwara (Lucknow) – (as per of Lab Study evaluating FSTP performance across India)



*FS TP in Loni under construction*



*FS Co-Treatment at STP in Modinagar under construction*



*CSE lab testing at Unnao FSTP; operationalized since Oct 2019 (1<sup>st</sup> through AMRUT)*

# Report for Mainstreaming Co-Treatment of Faecal Sludge in STPs in Uttar Pradesh

- Presentation to PS DoUD for 'Mainstreaming of Co-Treatment of FSS in STPs'
- The report recommended different **pre-treatment modules** (Solid-Liquid separation) for faecal sludge before being discharged in STP.
- Decision taken to implement Co-Treatment with **Solid-Liquid separation STPs including Bharwara STP Lucknow.**





# Feasibility study for Pilot: FSTP (Western Prayagraj – Peri Urban Areas)

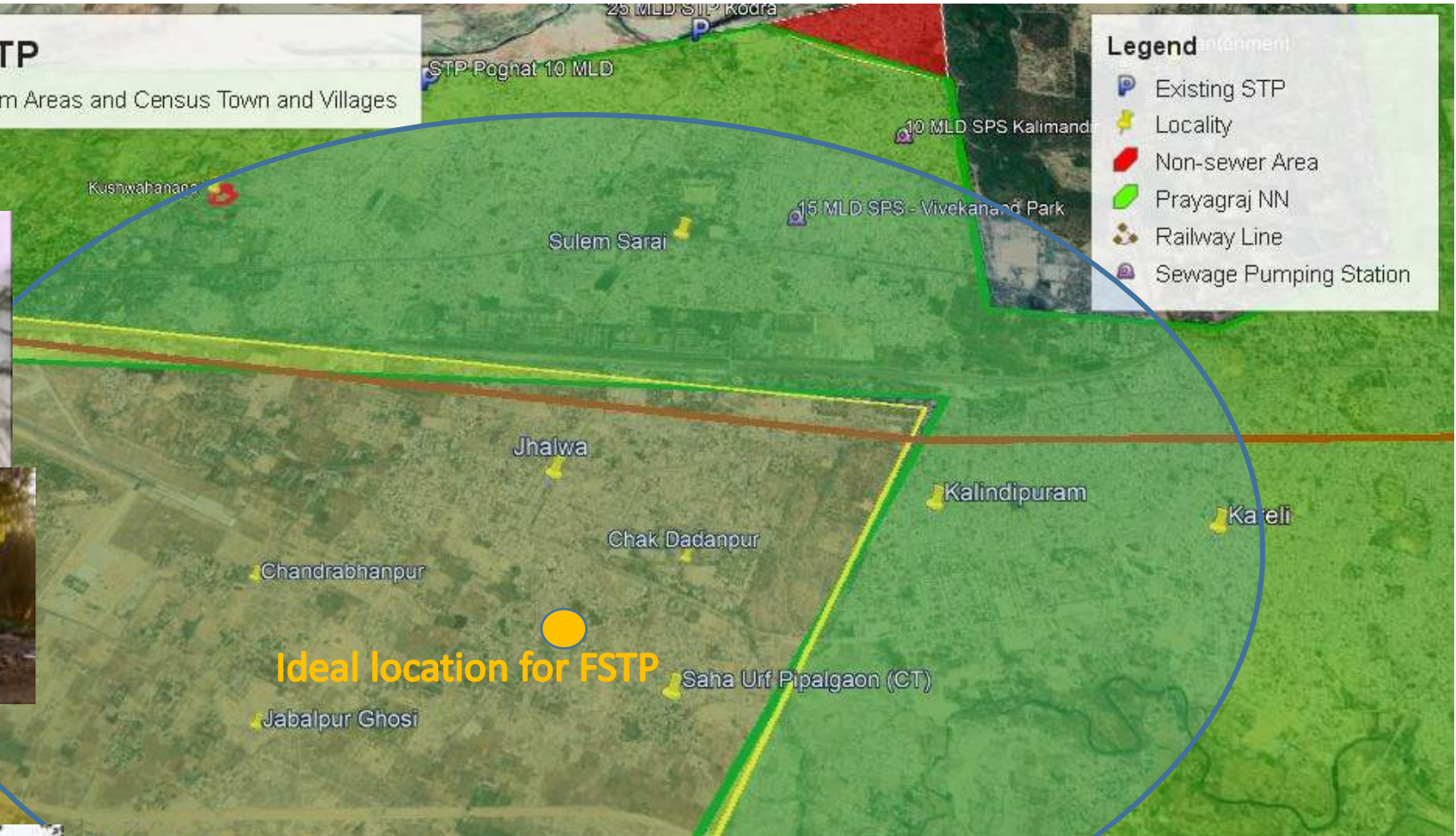
## Cluster for FSTP

Non-sewered Nagar Nigam Areas and Census Town and Villages

Field visits to targeted areas



FSTP Site Identification in progress



## PILOT 6 KLD FSTP Proposal submitted to District Magistrate

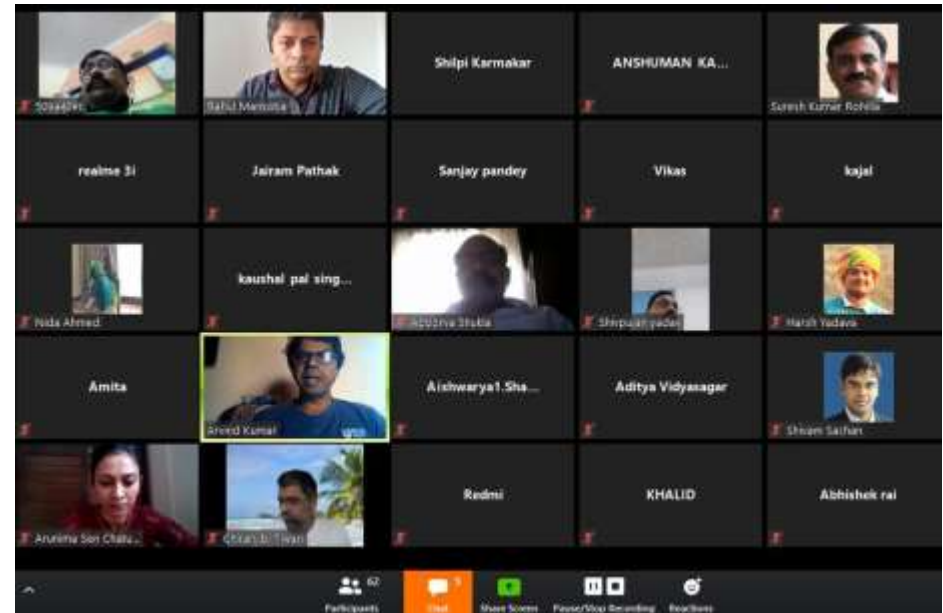
- Funding through BMGF
- 5 Potential land parcels identified in coordination with Revenue Department.
- Land finalization in progress before COVID-19 lockdown



# ‘Alliance for Urban Transformation’:

A Platform of Collaboration and Convergence at Department of Urban Development (U.P.)

- Inaugural Meeting held on **13<sup>th</sup> Feb 2020**, PS DoUD, SMD AMRUT and Director, Directorate of Local Bodies with 15 Development Partners.
- 2<sup>nd</sup> Meeting held virtually with Agenda for collaborative support for COVID-19 response.



# Radio sessions with Radio Mirchi: Awareness generation FSSM in urban U.P.

Theme of the talk: **'Toilet Ke Baad Kya'**  
focusing on FSSM

Highlighting issues like:

- **Impact on Public health and River Pollution due to improper disposal of Faecal Sludge.**
- What is a proper septic tanks and why we need to build properly designed septic tanks.
- **CSE's initiatives and support to cities for mainstreaming effective FSSM.**

Deeper engagement for **FSSM** with  
**'MalAsur' or 'Demon of Defeca'** proposed  
in coming period



# Trainings and Exposure Visits



# Training cum Exposure Visit to FSTPs in Odisha for FSSM July 2019

- The training target 20+ engineers from UP Jal Nigam involved in FSTP implementation.
- Field visit to Faecal Sludge Treatment Plants in Odisha.
- **Master trainers with FSSM experience from Malaysia and Philippines.**



# International Training cum Exposure Visits: FSSM in Bangladesh

8-12 February 2020

**‘Knowledge sharing between participants from Bangladesh, Nepal and India’**



## U.P. participants supported by CSE

1) Shri Shiv Pujan Yadav	<b>Addl. Commissioner attached to Directorate of Local Bodies. U.P.</b>
2) Shri Durgeswar Tripathi	<b>Executive Officer, Bijnor Nagar Nigam</b>
3) Shri Anand Kumar Dubey	<b>Project Manager, GPCU, Prayagraj, U P Jal Nigam</b>
4) Shri Afzal Khan	<b>Project Manager, GPCU, Mirzapur, U P Jal Nigam</b>
5) Sudhansu Kumar	<b>Project Engineer, GPCU, Lucknow, U P Jal Nigam</b>
6) Shri Mohit Vikram Singh	<b>Assistant Engineer, Bijnor, U P Jal Nigam</b>

## NMCG Officials supported by CSE

1) Shri Saumyasib Mukhopadhyay	<b>Senior Environmental Specialist, NMCG</b>
2) Shri Vijay Kumar Yadav	<b>Assistant Civil Engineer, NMCG</b>



# Training under AMRUT capacity building initiative

- Trainings (**Capsule I, II and III**) held Sept'19, Jan'20 and Feb'20
- 20 participants attended each of the three capsules





# Orientation of Municipal Functionaries on FSSM through Local Bodies Directorate

- 5 session - **60 + municipal functionaries** .
- **‘Knowledge Resource Centre’** at Directorate Local Bodies, Gomti Nagar Office. With **guidelines and IEC material for Municipal Functionaries**.



# City-Level Programme Support in Bijnor & Chunar

Planned Vs Achieved  
2019-20

# CITY LEVEL SUPPORT (Focus City (1)- Bijnor): Planned Vs Achieved

Planned (April'19)	Status (June'20)
Training on <b>designing of containment systems</b> for masons/plumbers	Training conducted from 16 <sup>th</sup> Jan to 18 <sup>th</sup> 2020, <b>model septic tank and twin pit constructed by the trained masons.</b>
City to develop <b>FSSM bye-laws and enforcement mechanisms for containment systems</b>	<b>City FSSM Bye-laws</b> is approved by the board, will get notified in next meeting. Notification got delayed due to Covid-19 Pandemic
<b>Capacitate truck operators or de sludgers</b> to ensure that they decant the collected sludge in designated treatment sites	City-level <b>training conducted to capacitate private emptiers</b> plying in the city from 14-15 October 2019
Provide technical support in setting up <b>Model Fecal Sludge Treatment Plant (FSTP)</b>	<b>Feasibility study for Co-Treatment done</b> , draft DPR ready. Land for co-composting procured.
Conduct <b>City Sanitation Task Force (CSTF) meeting</b> on a rolling basis to ensure the ongoing effectiveness and efficiency in the project's implementation	Conducted virtual <b>CSTF Meeting</b> on 26 <sup>th</sup> May'20. More meetings planned for the coming year.
	Training of sanitary workers, provision of PPE, Covid awareness week- painting competition, slogan writing competition, social media campaign, wall paintings in low income settlements





# CITY LEVEL SUPPORT (Focus City (2)- Chunar): Planned Vs Achieved

Planned (April'19)	Status (June'20)
Set up technical support unit	CSE representative stationed at Chunar closely supporting nagar palika parishad
Provide technical support in implementation of faecal sludge treatment plant	<b>FSTP under construction</b> , project running behind schedule due to hindrances caused by the pandemic.
Training on <b>designing of containment systems</b> for masons/plumbers	Training conducted from 21 <sup>st</sup> Jan to 23 <sup>rd</sup> Jan 2020, <b>model septic tank and twin pit constructed by the trained masons.</b>
Technical Support for Trenching for temporary Faecal Sludge disposal	Temporary <b>trenching site is up and running</b> and will cater to disposal of faecal sludge till the time FSTP is up and running
<b>Capacitate truck operators or de sludgers</b> to ensure that they decant the collected sludge in designated treatment sites	City-level <b>training conducted to capacitate private emptiers</b> plying in the city from 14-15 October 2019
Conduct <b>City Sanitation Task Force (CSTF) meeting</b> on a rolling basis to ensure the ongoing effectiveness and efficiency in the project's implementation	Conducted <b>virtual CSTF Meeting</b> on 26 <sup>th</sup> May'20. More meetings planned for the coming year.
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# Faecal Sludge Treatment Plant in Chunar

## A pilot through NMCG with CSE as Knowledge Partner for the project

**Capacity: 10 KLD**

**Area:** 3797 sqm. + 1742 sqm. (for plantation)

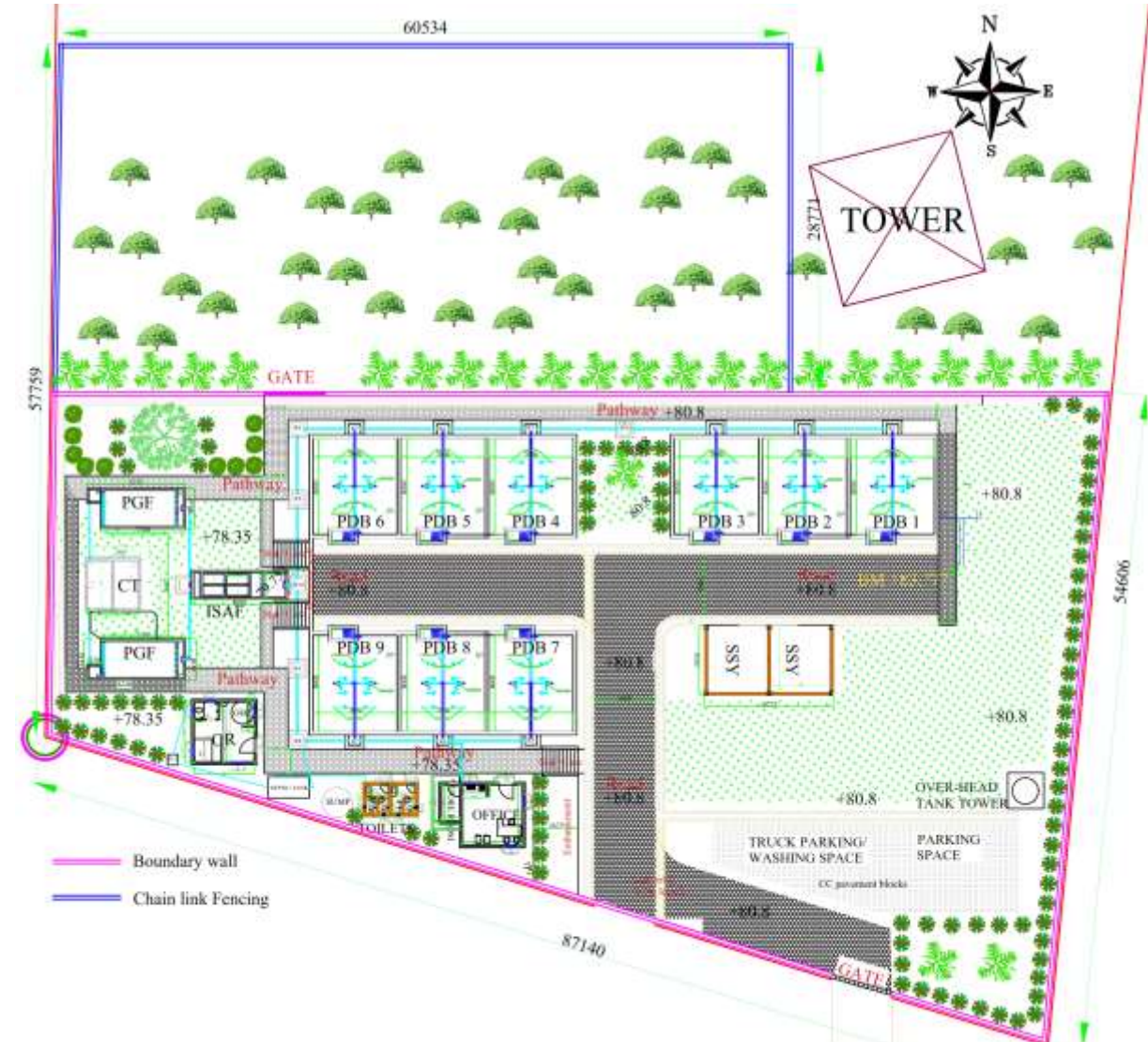
**Capital Cost: INR 195.9 Lakhs**

## Funding: Namami Gange

**Implementing Agency: UP Jal Nigam**

**Contractor Name:** ELEFO Biotech Private Limited

## Trenching for temporary FS disposal





# Status of FSTP in Chunar

A pilot through NMCG with CSE as Knowledge Partner for the project

- Tentative completion date: Oct'20
- ~30% work completed



Physical progress of FSTP in Chunar

Sl	Work Description	Progress
1	Technical modules	
1.01	Screening chamber	-
1.02	Planted drying bed	15%
1.03	Integrated settler & anaerobic filter	-
1.04	Planted gravel filter	-
1.05	Integrated Collection Tank, Dual Media Filter, Activated Carbon Filter, UV Disinfection Unit	-
2	Other civil, electrical and mechanical works	-
2.01	Site preparation	50%
2.02	Storm water drain	-
2.03	Operator room	-
2.04	Toilets	70%
2.05	Office room	70%
2.06	Sludge storage yard	-
2.07	Flexible pavement	-
2.08	Boundary wall	60%
2.09	Cutting & stone pitching work	-
2.10	Retaining wall	-
2.11	Registers	-
2.12	Culvert	-
2.13	Additional works	-
2.14	Tools list	-
3	Additional expenses	-
3.01	Access road connecting site to the existing main road	-
3.02	Plantation site showcasing reuse of by-products	-

# Regular City Sanitation Task Force Meetings

Based on the process training conducted by CSE, a CSTF was constituted in Bijnor and Chunar to develop and implement a city sanitation plan/city FSSM guidelines through stakeholder approach. The CSTF actively meets and take informed decisions with respect to sanitation in the cities.



## CITY SANITATION TASK FORCE BIJNOR NAGAR PALIKA PARISHAD

**STAKEHOLDERS**

- Medical Representative
- Political Representative
- Administrative Staff
- Technical Stakeholders
- CSE Technical Support Unit
- Media Representative
- Social Worker or NGO
- Youth Worker

 Mrs. Rakshita Parveen Chairman, BPP	 Durgeshwar Kumar Singh Executive Officer, BPP	 Mr. Shashilal Ahmed Ansari Political and Social Worker, BPP	 Mr. Anil Gouham Jt. Kd. BPP
 Mr. Vishwam Kumar Jt. Engineer, Club BPP	 Mr. Gaurav Singh Choudhary Sanitation and Food Inspector, BPP	 Ms. Sandhya Bhatnagar Jt. Engineer, Charitable Trust, BPP	 Mr. Waseem Akhtar Reporter, Jt. News, BPP
 Mr. Jyoti Sharma Jt. Secy., Bhatnagar Charitable	 Mr. Waseem Akram Assistant Engineer, BPP	 Mr. Maulik Vikram Singh Assistant Engineer, UP, BPP	 Dr. Shobhit Jain Assistant Chief Medical Officer, CMO, BPP
 Harsh Khatwani Research Associate, PPR, BPP			





## CITY SANITATION TASK FORCE NAGAR PALIKA PARISHAD CHUNAR

**STAKEHOLDERS**

- Academic Stakeholder
- Medical Representative
- Political Representative
- Administrative Staff
- Technical Stakeholders
- CSE Technical Support Unit
- Social Worker or NGO
- Helping Hand

 Mr. Shashilal Ahmed Chairman, BPP	 Pratibha Singh President, BPP	 Mr. Shashilal Kumar Sanitation & Food Inspector, BPP	 Mr. Shashilal Singh Jt. Secy., BPP
 Mr. Shashilal Kumar Jt. Engineer, BPP	 Mr. Shashilal Kumar Jt. Engineer, BPP	 Mr. Shashilal Kumar Jt. Engineer, BPP	 Mr. Shashilal Kumar Jt. Engineer, BPP
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# Research & Technical Feasibility Support : 2019- 2020



SFD Report

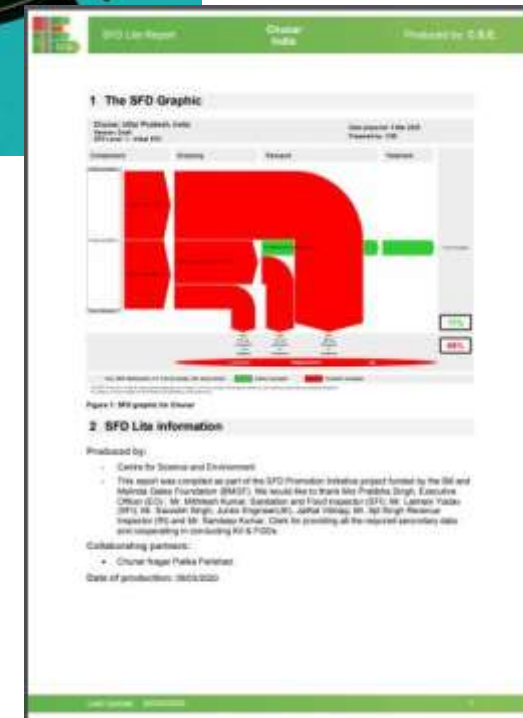
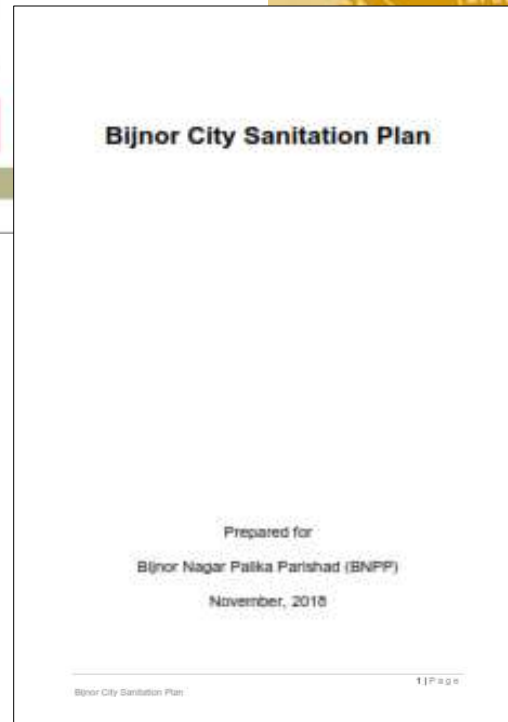
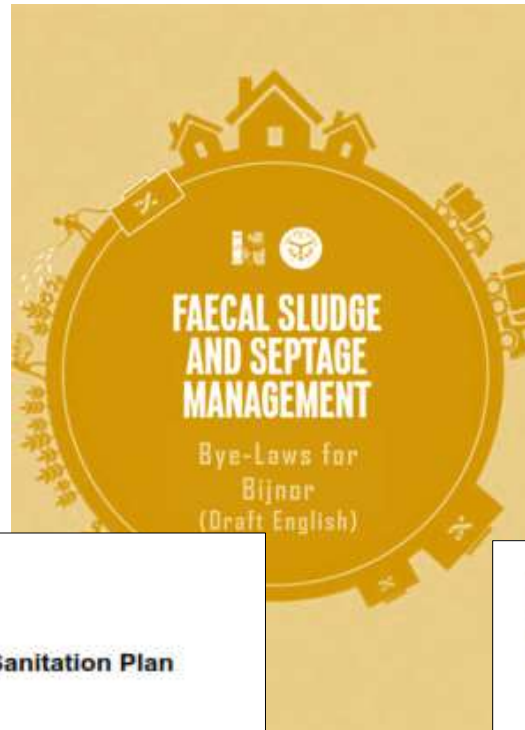
Bijnor

India

Final Report

This SFD Report - Comprehensive level - was prepared by Centre for Science and Environment (CSE)

Date of production: 21/04/2017  
Last update: 23/04/2018





# Support for health and safety of workers during COVID-19



# Supporting COVID-19 response in Uttar Pradesh

## Key Activities



# COVID-19 support in Bijnor & Chunar

## Phase-1: support to Bijnor and Chunar

Protection of Sanitation Warriors during COVID:

- 300 sets of personal protective gear
- 2 Thermal Scanner
- IEC campaign relating to good practices during COVID-19 with messaging in Hindi and Urdu.

In phase-2 :

Support 5 cities -  
PPE, thermal  
scanners as well as  
'Foot Operated  
Hand-Wash Stations

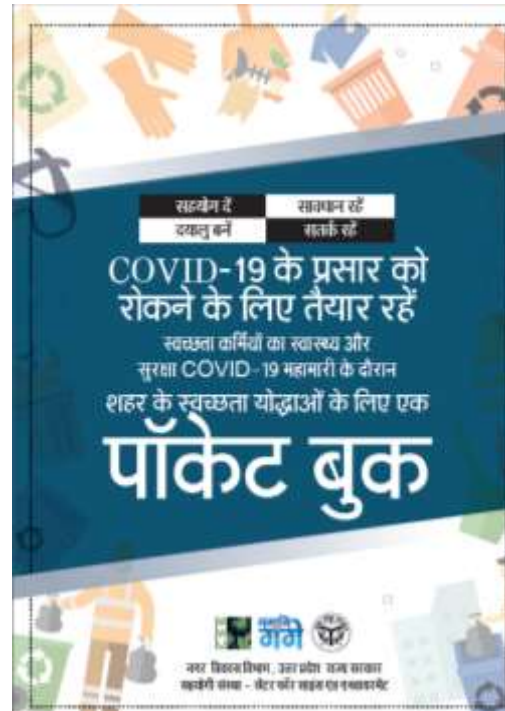
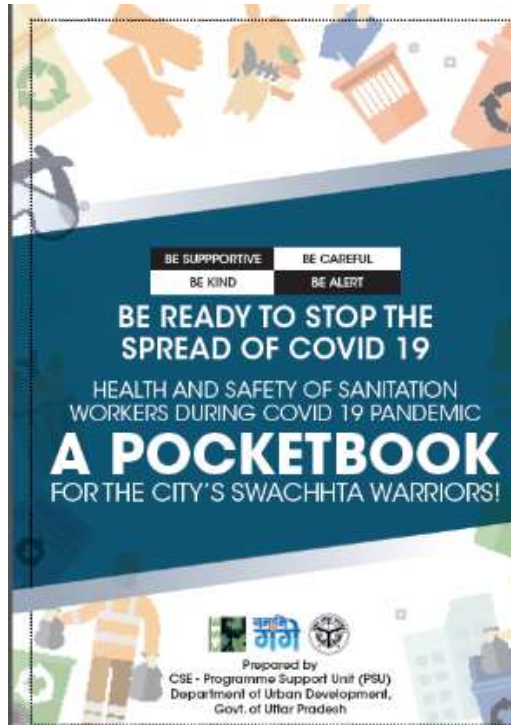




# Pocket Book for Sanitation Workers

A guide to Sanitary Inspectors in cities to ensure Health and Safety of Sanitation Workers during COVID-19

5000 copies under print as CSE PSU - Local Bodies Directorate initiative



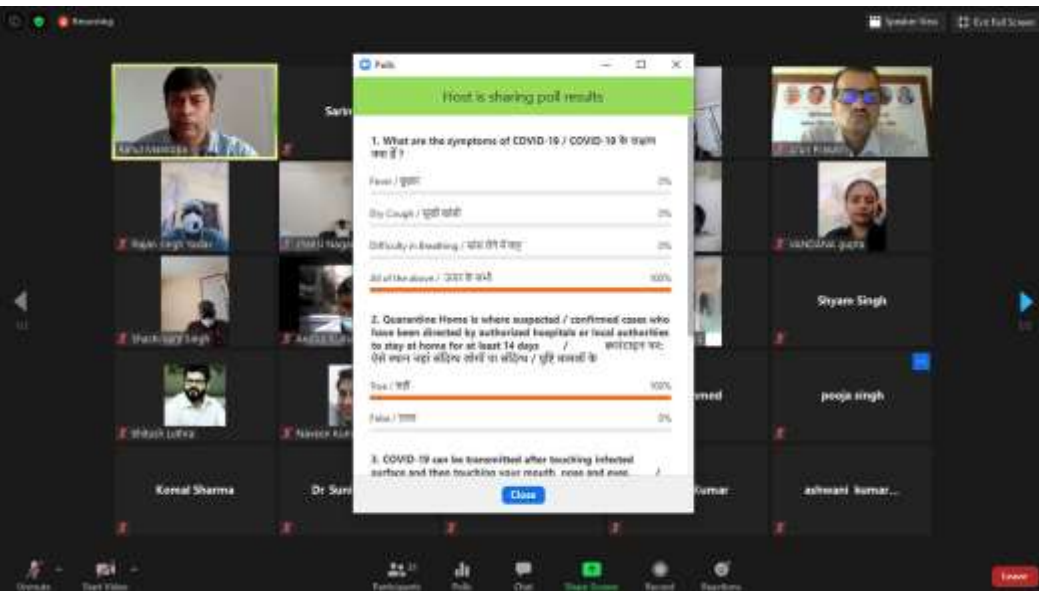
# Training of Sanitation Workers COVID-19

## 2 no. State Level Training for Sanitary Inspectors (~30 SIs trained through virtual trainings)

- Lucknow, Bijnor and Chunar
- Prayagraj, Jhansi, Agra, Unnao, Gangaghat and Lakhimpur

## Support for field level orientation of Sanitation Workers:

- 4 session in Bijnor, 6 in Chunar and 5 in Lucknow





# Covid Awareness Drive in Bijnor, Chunar and Lucknow

Launch of campaign



Over 2500 kids participated in Painting and Slogan writing competition

Wall paintings in low income settlements



Awareness generation around COVID-19 among women by CSTF members



Audio recording played every morning through mobile vans







# Repository of COVID-19: Online Resources



- **Advisories and Guidelines Issued**
- **Best Management Practices during COVID-19**
- **Communication Collaterals**
- **COVID-19 Blogs**

- <https://www.cseindia.org/reorganizing-the-repository-of-covid-19-resources-10103>





# Mal-Asur: 'Demon of Defeca' campaign

*Creating awareness regarding need for proper Faecal Sludge and Septage Management*

**Launched by MoHUA on 4<sup>th</sup> June 2020 and by NMCG on 19<sup>th</sup> June 2020**



**Odisha and Telangana has already started this campaign**



**Pilot proposed in Chunar (U.P.) – NMCG priority town**

**Campaign suitable for towns with FS disposal sites available: Unnao, Kanpur, Lucknow, Prayagraj, Jhansi etc**



Outreach & Media Coverage

on

Citywide Sanitation through various communication  
collateral

# CSE OUTREACH ACTIVITIES ON FSSM / CITYWIDE SANITATION

Type of Content	Number	Views
	Completed	
Films/Videos	11	18000
DTE Articles	4	80500
Articles in Annual Publications	2	10000
Articles / interviews / blogs on DTE Web	70	100000
Web – based tools	2	1000
Media - briefing	1	Sensitization of 25 hindi speaking journalists
Total	90	<b>&gt;2 Lakh Views</b>



**FSM in Delhi – A case study**

**(8.3K Views)**

15:14



**Can faecal sludge be used as an organic soil conditioner**

**(1.1K Views)**

9:36



**Faecal Sludge Management in Jhansi**

**(7.2K Views)**

8:16



**How to prepare a Shit Flow Diagram**

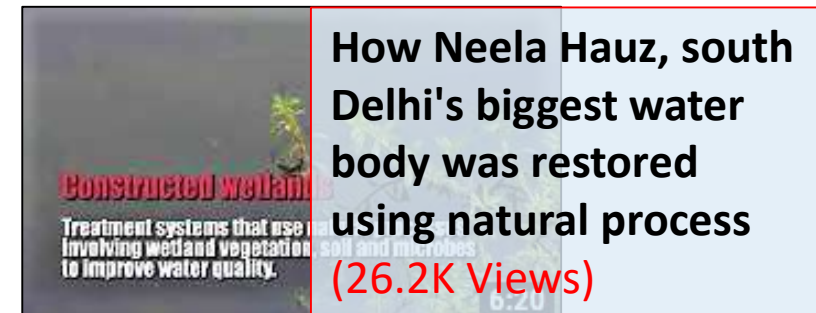
**(1.2K Views)**

12:52



**Centre for Science and Environment's capacity building initiative in the Ganga Basin**

**(166 Views)**



**How Neela Hauz, south Delhi's biggest water body was restored using natural process**

**(26.2K Views)**

8:20







*'In urban U.P., 87% of waste from toilets goes to rivers, farmlands'*

नगरीय स्वच्छता का कार्य  
के रूप में जारी है : मनोज

अमियाण  
कुमार

यूपी जल्द

# હી ઓડીએફ

**सहाय**  
**सहारा**  
संपादक: सुनील कुमार  
प्रदेश के शहरों में सीवर प्रबंधन की हालत खस्ता



कार्यक्रम के दौरान डाउन टु अर्थ पत्रिका का विमोचन।  
हैं। यह जानकारी मंगलवार वाटर ऐंड  
वेस्ट वाटर मैनेजमेंट के प्रोग्राम डायरेक्टर  
सरेखा रेडिला ने हजारतगंज स्थित एक निजी  
कि नमामि गंगे प्रोजेक्ट के  
मिलियन प्रति दिन (एमएन  
वाले सीवेज ट्रीटमेंट को

**आज का राष्ट्रीय दूरदर्शन**  
(समय: ७.३० बजे)

दूरदर्शन के माध्यम से विदेशी पर्यटकों को हमारा प्रसारण प्रसारित किया जा रहा है।

**विदेशी पर्यटकों के माध्यम से**  
विदेशी पर्यटकों के माध्यम से विदेशी पर्यटकों को हमारा प्रसारण प्रसारित किया जा रहा है।

**विदेशी पर्यटकों के माध्यम से**  
विदेशी पर्यटकों के माध्यम से विदेशी पर्यटकों को हमारा प्रसारण प्रसारित किया जा रहा है।



विदेशी पर्यटकों के माध्यम से विदेशी पर्यटकों को हमारा प्रसारण प्रसारित किया जा रहा है।

विदेशी पर्यटकों के माध्यम से विदेशी पर्यटकों को हमारा प्रसारण प्रसारित किया जा रहा है।

विदेशी पर्यटकों के माध्यम से विदेशी पर्यटकों को हमारा प्रसारण प्रसारित किया जा रहा है।

**वाँ कनेक्शन**  
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ओडिशा में सेटेज प्रबंधन के गुर सीखेंगे उत्तर  
देश के अधिकारी

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नगरीय स्वच्छता कार्य में लाई जा रहों त



**2018-12-19 20:05:16**



**UP takes Initiative and sends officials to Faecal Sludge and Septage Management plants in Odisha**

UP Government is planning 31 effective Faecal Sludge and Septage treatment plants with Government support from CSE.

The state government has taken initiative to Faecal Sludge and Septage Management plants in Odisha.

The Exposure Visit for 'Planning and Implementation of Faecal Sludge and Septage Management Plants' by CSE in collaboration with Odisha Water Supply Corporation Limited (OWSC) was held on 19-20 December 2018. Odisha has successfully developed policies and implemented best management practices for Faecal Sludge and Septage management. This offered a great learning experience for Uttar Pradesh staff. Participants were provided the opportunity to witness and gain exposure to Faecal Sludge and Septage Management plants in Odisha.

The programme was inaugurated by Prasanta Kumar Mohapatra, Project Director, CSE Odisha.

यूपी जल निगम के माध्यम से 31 शहरों में फेकल स्लज ट्रीटमेंट प्लांट्स (एफएसटीपी) की स्थापना और 21 शहरों में एसटीपी में फेकल कीचड़ के सह-उपचार के लिए नेविदाएं आमंत्रित की हैं।

**UP takes initiative and sends officials for Exposure Visit and Septage Management plants in Odisha**

UP Government is planning 31 PSTPs and 21 Co-Treatment Plants (CTPs) for effective Faecal Sludge and Septage Management in the state with support from CSE.

The state government has taken initiative and sent officials for exposure visit to Faecal Sludge and Septage Management plants in Odisha.

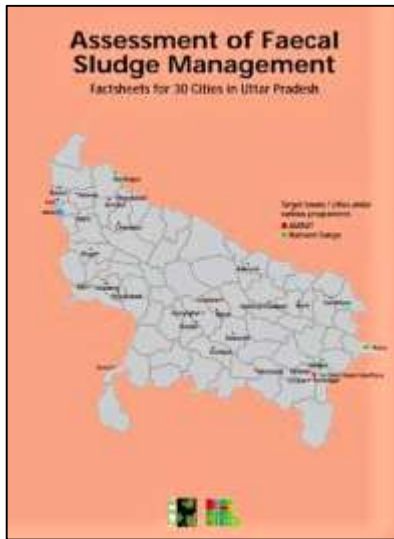
A team of officials from UP Government is currently in Odisha for Planning and Implementation of Faecal Sludge and Septage Management as per MoU signed between UP and Odisha Govt. (19-20 December) by CSE in collaboration with Odisha Water Supply and Sewerage Board.

The team will study the successfully developed policies and implemented best management practices for Faecal Sludge and Septage Management in Odisha which offered a great learning experience for Uttar Pradesh that faces similar challenges.

The officials were provided the opportunity to witness and gain exposure to septage & faecal sludge treatment plants.

The project was inaugurated by Prasanjit Kumar Mohapatra, Project Director, Odisha Water Supply and Sanitation Project.





### Factsheets and analysis of Sanitation chain in 30 cities of Uttar Pradesh

150 Hard Copies  
3000 Downloads

### Practitioner's Guide for FSSM (Eng. + Hindi)

1000 Hard Copies  
1000 Downloads



### Factsheets, reports, Guidelines prepared by CSE for FSSM

1500 Hard Copies  
7500 Downloads



### Factsheets and analysis of Sanitation chain in 66 cities of Uttar Pradesh

125 Hard Copies  
1500 Downloads

### Draft FSSM Guidelines of Uttar Pradesh (Eng. + Hindi)

150 Hard Copies  
2000 Downloads



## Action Plan 2020-21 for Uttar Pradesh:

State and City-Level Support for Effective FSSM for  
Citywide Sanitation



# STATE LEVEL INTERVENTIONS : 2019-20

- **State-Level Workshop** to operationalize a **'Forum of Cities that manage Excreta'** to track and evaluate **'Front Runner Cities'** in Effective Citywide Sanitation.
- **Support 'Front Runner Cities'** (like **Unnao, Lucknow, Prayagraj, Jhansi, Lakhimpur, Loni etc** ) in adopting effective FSSM and become a model for other cities
- Pilot **IEC campaign** for effective **FSSM using 'Malasur - collaterals'**
- **State Level Trainings and Exposure Visit** for mainstreaming best practices in FSSM.
- City-level **FSSM guidelines / bye-laws** developed for Chunar to be used as model for other cities to adopt.

# CITY LEVEL INTERVENTIONS : 2019-20

## **Focus City (ONE) – Bijnor**

(Focus on CSP Implementation)

- Licensing of Desludgers
- Technical support for the implementation of co-treatment/co-composting at STP of Bijnor
- On-going Support for implementation of city sanitation plan in Bijnor
- Tech support for pilot DWWTs.
- Training for Sanitation Workers.
- IEC campaign for COVID-19 awareness and effective FSSM

## **Focus City (two) – Chunar**

(Focus on FSSM)

- Technical Support for GPS tracking of Emptying and Transportation of Faecal Sludge
- On-going support for implementation of city level FSSM guidelines including bye-laws.
- Technical support for implementation of FSTP.
- Training for Sanitation Workers.
- IEC campaign for COVID-19 awareness and effective FSSM



# Research / Technical Support :

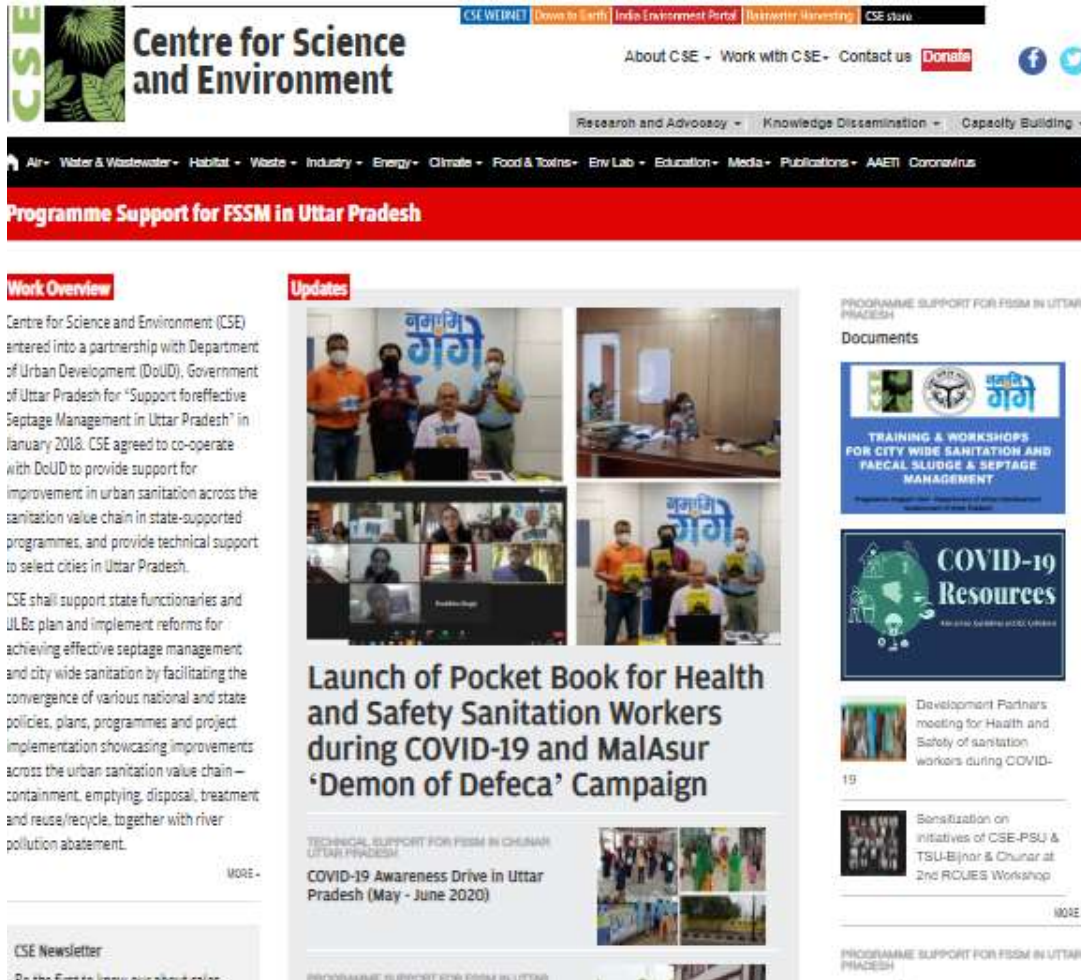
## **State Level Publications**

1. **Business Models and Best Practices for effective citywide FSSM**
2. **State Investment plan for scaling-up FSSM in U.P.**

## **City Level**

1. Planning and designing for Co-composting of FSS and MSW in Chunar / Bijnor
2. **Business model for the implementation of short term CSP strategies for citywide sanitation solutions in Bijnor**
2. Rapid City Sanitation Plan for Chunar
3. **Standard operating procedure for FSTP in Chunar**

# Website / Page : CSE – DoUD PSU & TSU in Uttar Pradesh



**Centre for Science and Environment**

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Research and Advocacy - Knowledge Dissemination - Capacity Building

Air - Water & Wastewater - Habitat - Waste - Industry - Energy - Climate - Food & Toxins - Env Lab - Education - Media - Publications - A&ET - Coronavirus

**Programme Support for FSSM in Uttar Pradesh**

**Work Overview**

Centre for Science and Environment (CSE) entered into a partnership with Department of Urban Development (DoUD), Government of Uttar Pradesh for "Support for effective Septage Management in Uttar Pradesh" in January 2018. CSE agreed to co-operate with DoUD to provide support for improvement in urban sanitation across the sanitation value chain in state-supported programmes, and provide technical support to select cities in Uttar Pradesh.

CSE shall support state functionaries and ULBs plan and implement reforms for achieving effective septage management and city wide sanitation by facilitating the convergence of various national and state policies, plans, programmes and project implementation showcasing improvements across the urban sanitation value chain—containment, emptying, disposal, treatment and reuse/recycle, together with river pollution abatement.

**Updates**

**Launch of Pocket Book for Health and Safety Sanitation Workers during COVID-19 and MalAsur 'Demon of Defeca' Campaign**

**Documents**

**TRAINING & WORKSHOPS FOR CITY WISE SANITATION AND FACIAL SLUDGE & SEPTAGE MANAGEMENT**

**COVID-19 Resources**

**COVID-19 Awareness Drive in Uttar Pradesh (May - June 2020)**

Links to the page available from following pages:

NMCG: <https://nmcg.nic.in/index.aspx>

AMRUT – U.P.: <http://www.amrutup.in/>

SMCG – U.P.: <http://smcg-up.org/>

Directorate of Local Bodies: <https://localbodies.up.nic.in/>



**राज्य स्वच्छ गंगा मिशन - उत्तर प्रदेश**  
**State Mission for Clean Ganga**  
**Uttar Pradesh**  
(Department of Namami Gange and Rural Water Supply, Govt. of Uttar Pradesh)

Home - About Us - Projects - Documents & Media - City Sewerage Profiles - Partners & Stakeholders - Procurement & Tenders - Contact Us

**Partners & Stakeholders**

- Funding Partners and Patterns
- Implementation Partners
- Knowledge and Technical Partners

**Partners & Stakeholders**

- Yogi Adityanath, Hon'ble Chief Minister, Uttar Pradesh
- Dr. Mahendra Singh, Hon'ble Cabinet Minister, Jal Shakti, Uttar Pradesh

**Partners & Stakeholders**

- World Bank
- State Mission for Clean Ganga
- State Mission for Clean Ganga

**Partners & Stakeholders**

- State Mission for Clean Ganga
- State Mission for Clean Ganga
- State Mission for Clean Ganga

<https://www.cseindia.org/page/programme-support-for-fssm-in-uttar-pradesh>

<https://www.cseindia.org/page/technical-support-for-fssm-in-bijnor-uttar-pradesh>

<https://www.cseindia.org/page/technical-support-for-fssm-in-chunar-uttar-pradesh>



# State Support Needed for Citywide Sanitation

Funding Support/action  
plan for Cities



Administrative /  
coordination  
support in cities



Model documents for  
Cities in implementing  
FSSM



**Effective  
FSSM &  
City-wide  
Sanitation**

- THANK YOU