



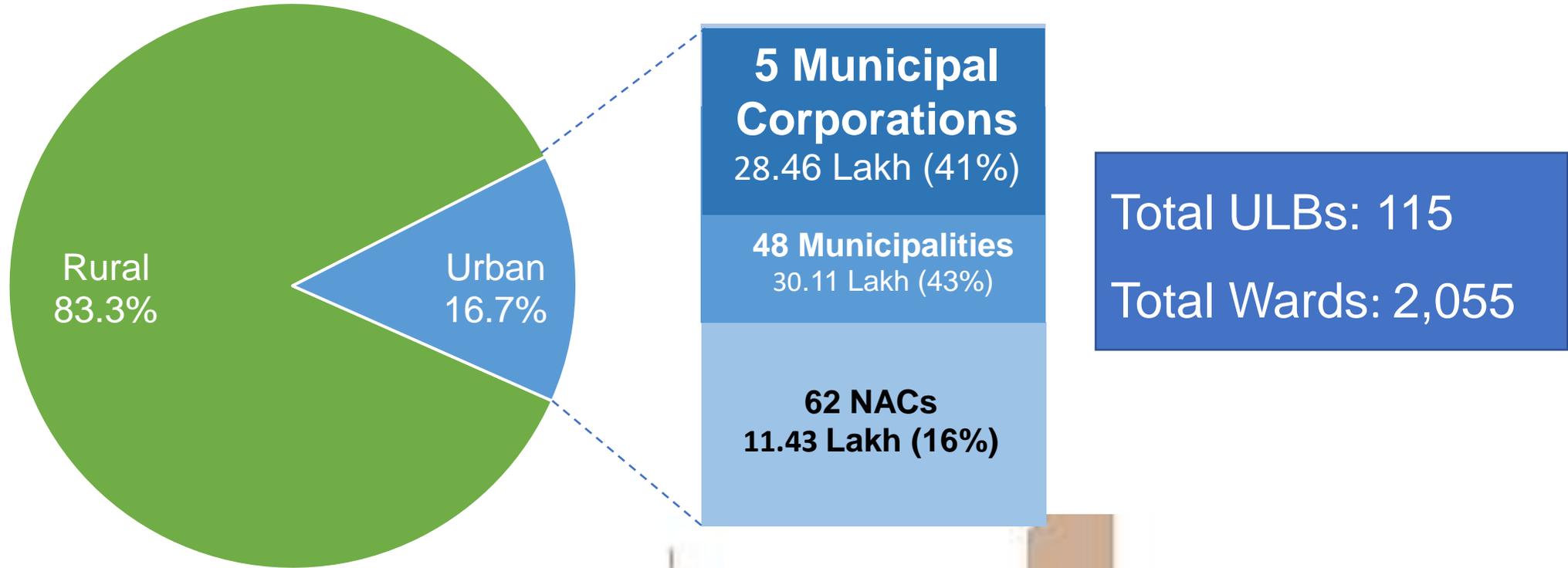
O.A. No. 606 of 2018  
Compliance of Solid Waste Management Rules, 2016,  
Sewage & Septage Management of the State of Odisha

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Presentation before Hon'ble NGT  
by  
**Chief Secretary,**  
Government of Odisha, Bhubaneswar

**27.01.2023, 11.30 A.M (VC mode)**

# Urban Odisha at a Glance



**Projected Urban Population :70 Lakh**



# Status on Solid Waste Management

## Paradigm Shift from **centralised** to **decentralised** - community driven model

| PROCESSING FACILITIES |  |                      |             |   |                             |                            |
|-----------------------|--|----------------------|-------------|---|-----------------------------|----------------------------|
| Particulars           | As on 26th March, 2019<br>(pronouncement of order<br>by Hon'ble NGT) |                      | As of Today |   |                             |                            |
|                       | Number   | Capacity<br>(in TPD) | Number      | Capacity<br>Created &<br>Functional<br>(in TPD) | Waste<br>Generated<br>(TPD) | % Capacity<br>Availability |
| MCC                   | 0  | 0                    | 250         | 1,169   | 1,158<br>(Wet Waste)        | 101                        |
| MRF                   | 0  | 0                    | 216         | 2,220   | 1,099<br>(Dry Waste)        | 202                        |

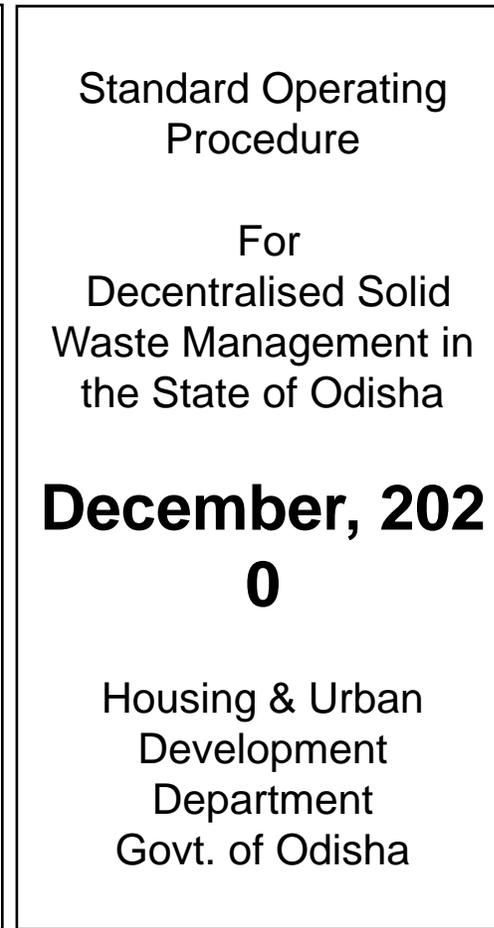
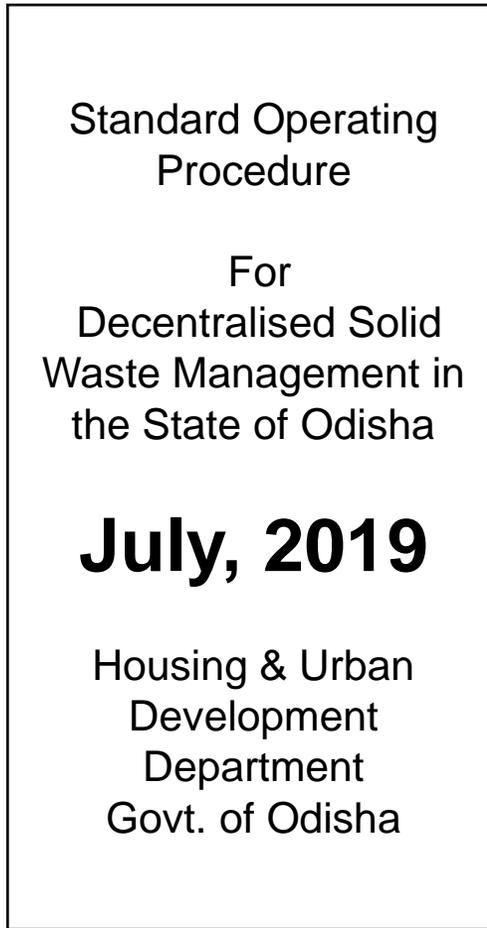
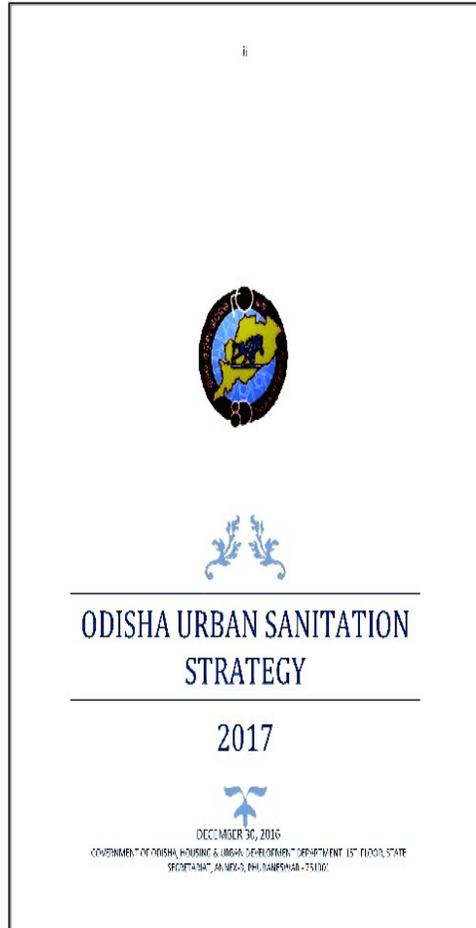
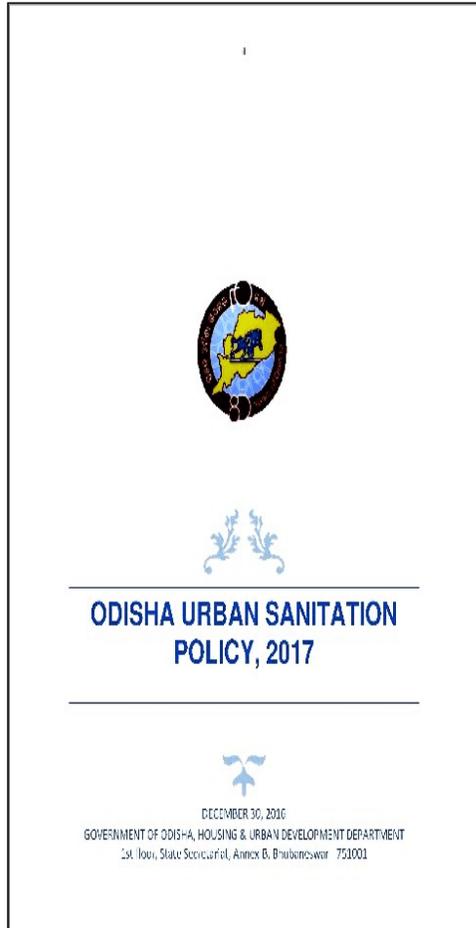
# Status on Solid Waste Management

## Paradigm Shift from **centralised** to **decentralised** - community driven model

|                         |                           |
|-------------------------|---------------------------|
| Total ULBs              | <b>115</b>                |
| Total Wards             | <b>2,055</b>              |
| Waste Generation        | <b>2,257 MT/Day</b>       |
| Wet Waste               | <b>1,158 MT/Day</b>       |
| Dry Waste               | <b>1,099 MT/Day</b>       |
| Door to Door Collection | <b>2,055 Wards (100%)</b> |
| Source Segregation      | <b>2,048 Wards (99%)</b>  |

**Decentralised Model: Zero Landfill Cities**

# STATE POLICY ON SOLID WASTE MANAGEMENT



## Centralised Approach

Land requirement is huge

Public agitation

Contractor driven

Clearances required from different authorities

High Capex

High Tipping Fee – Recurring cost

Time consuming processes

**PARADIGM  
SHIFT**



## De-centralised Approach

Micro Composting Centre

Materials Recovery Facility

Battery Operated Vehicles

Community Partnership

Low Capex

Low Opex

Wealth Generation

Land Requirement is Less

Less Time

## COMMUNITY PARTNERSHIP

| Community partners   | Number       |
|--|--------------|
| Swachh Saathis associated  | <b>2,069</b> |
| Swachh Supervisor associated                                     | <b>468</b>   |
| Swachh Karmi associated  | <b>2,542</b> |
| Waste Picker integrated in MRF                                   | <b>1,150</b> |
| Mission Shakti Groups associated                                 | <b>3,033</b> |
| Transgender groups entrusted with O & M of Wealth Centre         | <b>32</b>    |
| Transgender associated   | <b>205</b>   |
| Total MoU signed with Mission Shakti Groups & Transgender Groups | <b>3,065</b> |

### Benefits provided to community partners

Regular capacity building and training for all community partners including motivational sessions

Uniform and PPE provided at regular intervals

Locker room and lounge facility

Groups Insurance for death & accidental claim @ Rs. 2 lakh per Swachh Karmi

Regular health check-up for all community partners

Health Insurance benefits through Biju Swasthya Kalyan Yojana

Standing Instruction Issued for release of incentive by 7<sup>th</sup> date of every month

Felicitation for best performers

# MICRO COMPOSTING CENTRES OPERATED BY WOMEN/ TRANSGENDER/ WASTEPICKER GROUPS



# MATERIAL RECOVERY FACILITIES OPERATED BY WOMEN/ TRANSGENDER/ WASTEPICKER GROUPS



# COMMUNITY PARTNERSHIP



# BATTERY OPERATED VEHICLES (BOV) RUN BY MISSION SHAKTI MEMBER / TRANSGENDER A NEW INITIATIVE IN “EMPOWERMENT” OF COMMUNITY PARTNERS”



# COMMUNITY PARTNERSHIP



Lounge facility

# COMMUNITY PARTNERSHIP



Locker Room Facility

# COMMUNITY PARTNERSHIP



Swachha Karmi in uniform



Recreation Activities

# ORGANIC COMPOST "MO KHATA"



# ORGANIC COMPOST “MO KHATA”

Website: <http://www.fasnet.ckia.in> Phone: 0120-2764905, 2764212  
 Email: [soil@agb-agri@gov.in](mailto:soil@agb-agri@gov.in) Phone: 0120-2764901

भारत सरकार Government of India  
 कृषि एवं किसान कल्याण विभाग Ministry of Agriculture & Farmers Welfare  
 कृषि, सहकारिता एवं किसान कल्याण विभाग  
 Department of Agriculture, Cooperation and Farmers Welfare  
 क्षेत्रीय जैविक खेती केंद्र  
 REGIONAL CENTRE OF ORGANIC FARMING (RCO)

झारखंड रोड, कमला नेहरू नगर, गाजियाबाद-201002 / Hapur Road, Kamla Nehru Nagar, Ghaziabad-201002  
 Ref. No.: 11-2/2020/RCOF(HQ)/OF/ ६३७- ३४ Dated: 16.11.2020

The Executive Officer  
 Sunabeda Municipality  
 Distt Koraput-769003  
 Odisha

Sir,  
 The analysis report of Organic fertilizer sample forwarded vide your reference letter No. 110C/SEM/OD-2020 dated 14.10.2020 is as per details given below:

| No                                       | Specification as per FCO  | Composition as per analysis | Variation | Permissible tolerance limit |
|--|---|-----------------------------|-----------|-----------------------------|
| <b>A. Physical Characteristics</b>       |   |                             |           |                             |
| i)                                       | Moisture content (Maximum 25%)  | 20.2                        | Nil       | -                           |
| ii)                                      | Particle size of carrier based (90 % should pass through 4.0 mm IS sieve)   | Yes                         | Nil       | -                           |
| iii)                                     | Bulk density (g/cm <sup>3</sup> ) less than 1.0   | 0.8                         | Nil       | -                           |
| <b>B. Chemical Characteristics</b>       |   |                             |           |                             |
| i)                                       | pH (5.5-7.5)  | 7.5                         | Nil       | -                           |
| ii)                                      | Total organic carbon (Minimum 12 % by weight)   | 12.78                       | Nil       | -                           |
| iii)                                     | Total of NPK nutrients (Total N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O should not be less than 1.2%) | 2.79                        | Nil       | -                           |
| iv)                                      | C/N ratio (less than 20.0)  | 11.39                       | Nil       | -                           |
| v)                                       | Conductivity (as dSm <sup>-2</sup> ) not more than 4.0  | 2.93                        | Nil       | -                           |
| <b>C. Heavy metal (as mg/kg) maximum</b> |   |                             |           |                             |
| i)                                       | Arsenic (as As) <sub>0.5</sub>  | N.D.                        | -         | -                           |
| ii)                                      | Cadmium (as Cd) <sub>0.5</sub>  | 2.5                         | Nil       | -                           |
| iii)                                     | Chromium (as Cr) <sub>50.0</sub>  | 36.9                        | Nil       | -                           |
| iv)                                      | Copper (as Cu) <sub>500.0</sub>   | 184.7                       | Nil       | -                           |
| v)                                       | Mercury (as Hg) <sub>0.15</sub>   | N.D.                        | -         | -                           |
| vi)                                      | Nickel (as Ni) <sub>50.0</sub>  | 24.7                        | Nil       | -                           |
| vii)                                     | Lead (as Pb) <sub>100.0</sub>   | 31.8                        | Nil       | -                           |
| viii)                                    | Zinc (as Zn) <sub>1000.0</sub>  | 419.2                       | Nil       | -                           |

Remarks: The sample is according to specification.

Analyst: \_\_\_\_\_ Laboratory Incharge

Copy to: Director of Agriculture, Govt. of Odisha for information.



₹ 20 per kg

- Line Departments directed to procure organic compost “Mo Khata” at Rs. 20/Kg
- “Mo Khata” sold  
 FY 21-22: 1,015MT Revenue: 2.03 Cr  
 FY 22-23: 2,080 MT Revenue: 4.16 Cr
- Outlets run by Mission Shakti Groups for promoting “Mo Khata”



TEST REPORT OF “MO KHATA” FROM RCOF, GHAZIABAD, MINISTRY OF AGRICULTURE & FARMER’S WELFARE, GoI

# INSTRUCTIONS ISSUED FOR PROCUREMENT OF "MO KHATA" @ Rs. 20/- BY LINE DEPARTMENTS

## Letter from H&DD to Line Departments for Procurement of "Mo Khata"

  
**Government of Odisha**  
**Housing & Urban Development Department**  
**3rd floor, Kharavel Bhavan, Unit-V, Bhubaneswar, PIN:751001**

\*\*\* 6206 /HUD. Date: 16/03/2021

File No.: HUD-SANT-POLICY-0020-2020/ Letter No.:

From  
G. Mathivathanan, IAS  
Principal Secretary to Government

To  
The Additional Chief Secretary,  
Forest & Environment Department  
The Principal Secretary to Government,  
Agriculture & Farmers' Empowerment Department  
The Principal Secretary to Government  
Panchayati Raj & Drinking Water Department  
The Principal Secretary to Government,  
ST & SC Development, Minorities & Backward Classes Welfare Department  
The Commissioner-cum-Secretary to Government,  
Handlooms, Textiles & Handicrafts Department

Sub: Procurement of Organic Compost "Mo Khata" @Rs. 20/- per Kilogram

Madam/Sir,

You are aware that the Urban Local Bodies of our State are processing the Municipal Solid Waste in decentralised manner through Micro Composting Centres (MCC) and Materials Recovery Facilities (MRF), named as "Wealth Centre".

The Biodegradable wastes are processed in MCCs and converted to Organic Compost named as "Mo Khata" which is being sold by the Urban Local Bodies @ Rs. 20/- [Rupees twenty only] per kg.

"Mo Khata" is the product of the Urban Local Bodies made in partnership with the Community Based Institutions viz., Mission Shakti/ Transgender Groups, and the revenue generated out of this endeavour flows back to the community in the form of wages, incentives, honorariums for the Swachha Sathis, Swachha Supervisors, Swachha Karmis who are the members of the Mission Shakti Groups / Transgender Groups / Rag Pickers working in MCCs / MRFs, & also to meet the Operation & Maintenance [O&M] cost of the Wealth Centres & the cost of maintenance of the whole sanitation value chain by the ULBs.

1051  
G. Y. G.

## Letter from Chief Secretary to Govt. to Line Departments for Procurement of "Mo Khata"

Tel -0674-2536903  
Website: www.urbanodisha.gov.in  
e-mail: hudsec.or@nic.in

  
**Government of Odisha**  
**Housing & Urban Development Department**  
**3rd floor, Kharavel Bhavan, Unit-V, Bhubaneswar, PIN:751001**

\*\*\*

File No.: HUD-SANT-POLICY-0020-2020 Letter No.: 6593/HUD. Date: 11-04-2022

From  
Suresh Chandra Mahapatra, IAS  
Chief Secretary

To  
The Agriculture Production Commissioner-cum-Additional Chief Secretary  
The Development Commissioner-cum-Additional Chief Secretary  
All the Additional Chief Secretaries to Govt.  
All the Principal Secretaries to Govt.  
All the Commissioner-cum-Secretaries to Govt.  
All the Collectors

Sub: Procurement and utilization of the organic manure, "Mo khata" produced by ULBs

Madam / Sir,

You may be aware that the Urban Local Bodies are producing organic manure named "Mo Khata" from the bio-degradable waste collected on day-to-day basis from households / commercial places which are processed in the Micro Composting Centres operated by the women members of the Mission Shakti Groups/ Transgender Groups.

# Status on Bio-mining of Legacy Waste

| S. No.       | Status                | No. of ULB | Approx. Quantity of legacy waste (in MT) |           | Status in % |       |
|--------------|-----------------------|------------|--|-----------|-------------|-------|
| 1            | Completed             | 1          | 55,000                                   |           | 1.47        |       |
| 2            | On-going              | 2          | RMC:                                     | Completed | 50,000      | 1.33  |
|              |                       |            |  | Ongoing   | 2,500       | 42.78 |
|              |                       |            | BMC:                                     | Ongoing   | 16,00,000   |       |
| 3            | <b>RFP floated</b>    |            |  |           |             |       |
|              | Municipal Corporation | 3          | 10,00,000                                |           | 26.69       |       |
|              | Municipalities        | 41         | 9,27,458                                 |           | 24.76       |       |
|              | NAC                   | 49         | 1,11,104                                 |           | 2.97        |       |
| 4            | No Legacy Waste       | 19         | 0  |           | 0           |       |
| <b>Total</b> |                       | <b>115</b> | <b>37,46,062</b>                         |           | <b>100</b>  |       |

Completed : 1.05 Lakh MT

Ongoing / Under Process : 36.41 Lakh MT

\*Timeline for Completion: **December 2025**

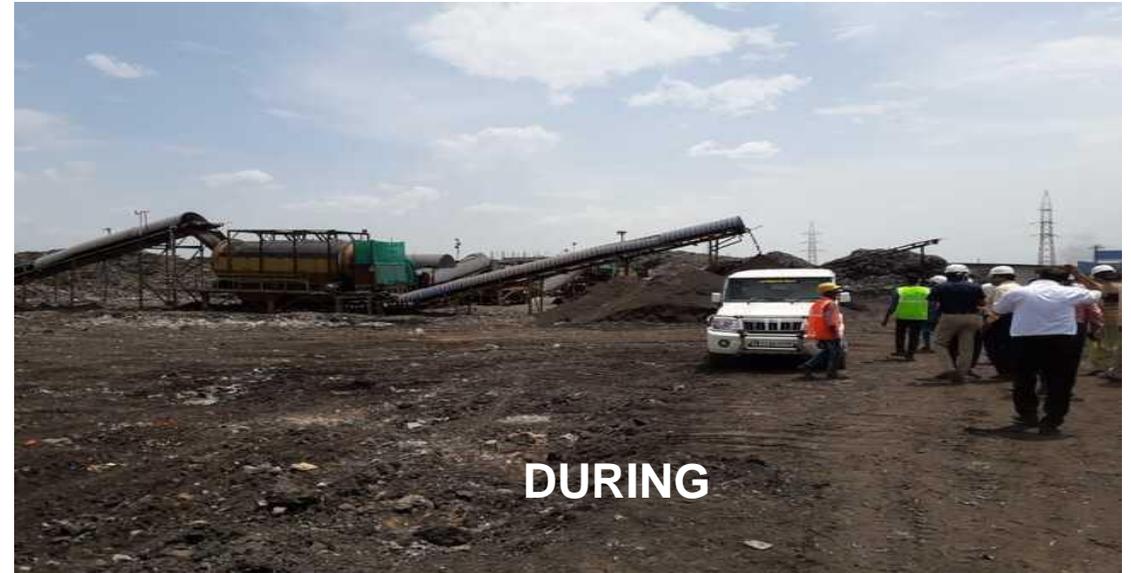
Provision of incentive for early completion to Executing Agency

# Status on Bio-mining of Legacy Waste

## Vyasnagar (M)



**BEFORE**



**DURING**



**AFTER**



**AFTER**

# Status on Bio-mining of Legacy Waste

## Rourkela(MC)



# State-level Committee appointed by Hon'ble NGT

VISIT TO PARADEEP(M) BY HON'BLE JUSTICE SHRI P.K MOHANTY, CHAIRMAN



# FIELD VISIT TO BERHAMPUR MUNICIPALITY & MKCG MEDICAL COLLEGE & HOSPITAL



❑ **Field Visits** : 5 Hospitals, Waste Management Facilities and FeSTP

❑ **Review Meetings** : Eleven

❑ **Report Submitted:** Two

❑ **The Chairman appreciated:** Implementation of SWM Rules

Training of sanitation workers

Infrastructures for SWM

# Visit by Shri Durga Shanker Mishra, Former Secretary MoHUA



## AWARDS & ACCOLADES



### ODISHA EXCELS IN NITI AAYOG'S SOLID WASTE MANAGEMENT REPORT

  
NITI Aayog

- Dhenkanal** has transformed waste centres into wealth centres by involving local communities.
- Kendujhar** adopted innovative technology to improve waste management.
- Paradip** involved women & transgender groups to make waste management inclusive & sustainable.







 @CMO\_Odisha  CMO.Odisha

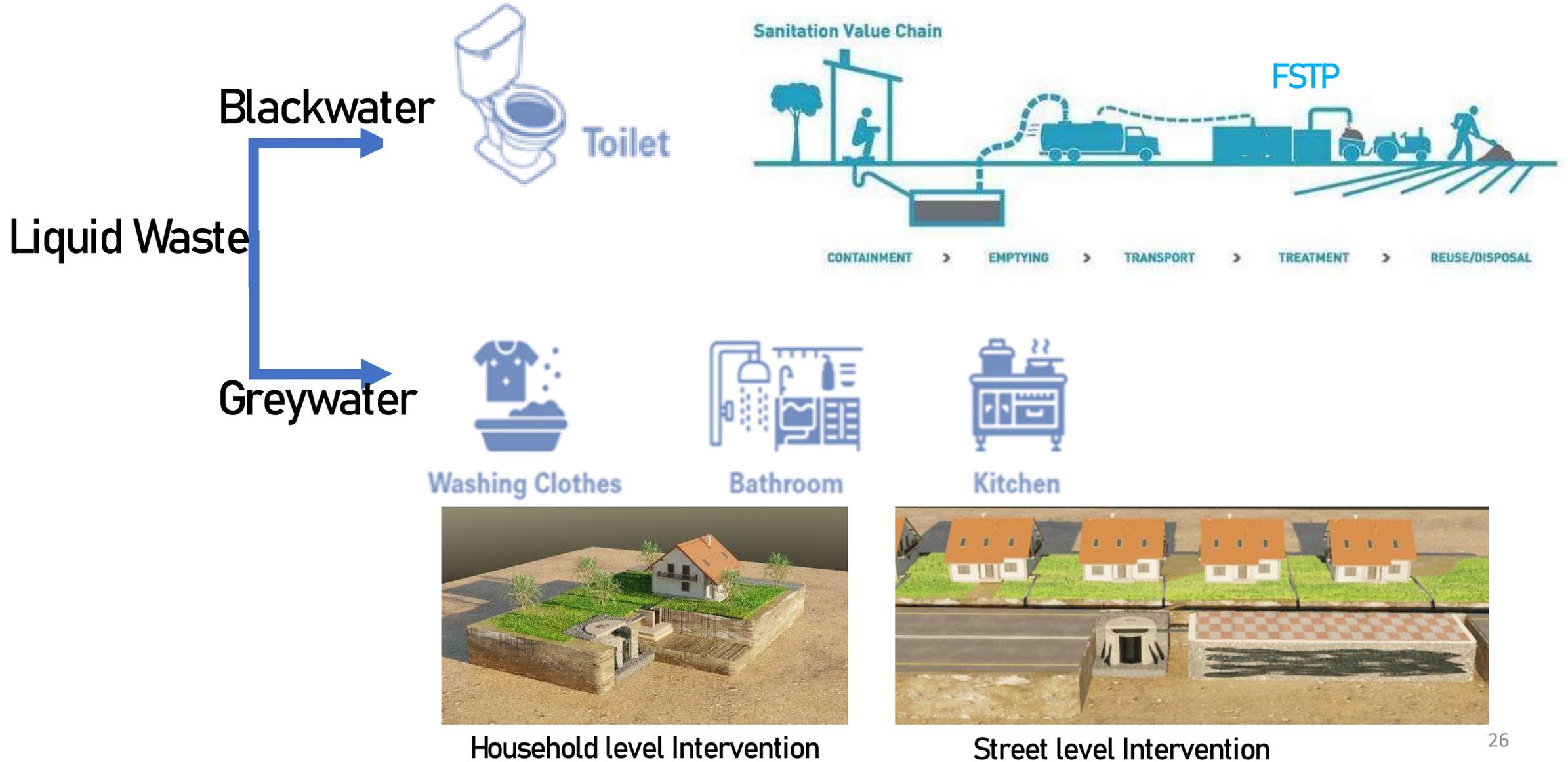
**Odisha appreciated at national level for decentralised community-driven model**

## AWARDS & ACCOLADES



**Community partnership model in SWM received ISC-FICCI Award for “Women Changemaker”**

# Decentralised Liquid Waste Management in Odisha



## Difficulties in Sewerage management

- Time Consuming Construction & Operationalization
- Extremely Complex Construction
- Absence of Public Will
- Inconvenience to public due to road cutting
- Post Construction House Connection issues (Toilets backside)
- Higher Land Requirement for Pumping Station & STP
- High per capita CapEx & OpEx
- Difficulties in maintenance of sewer lines

## Why Odisha adopted non-sewered Decentralized liquid waste management

- Low land requirement
- Low CapEx
- Least electrical & mechanical intervention
- Ease of maintenance
- Low time requirement
- constructed & managed by local resources
- Community Partnership
- Focus on aesthetics

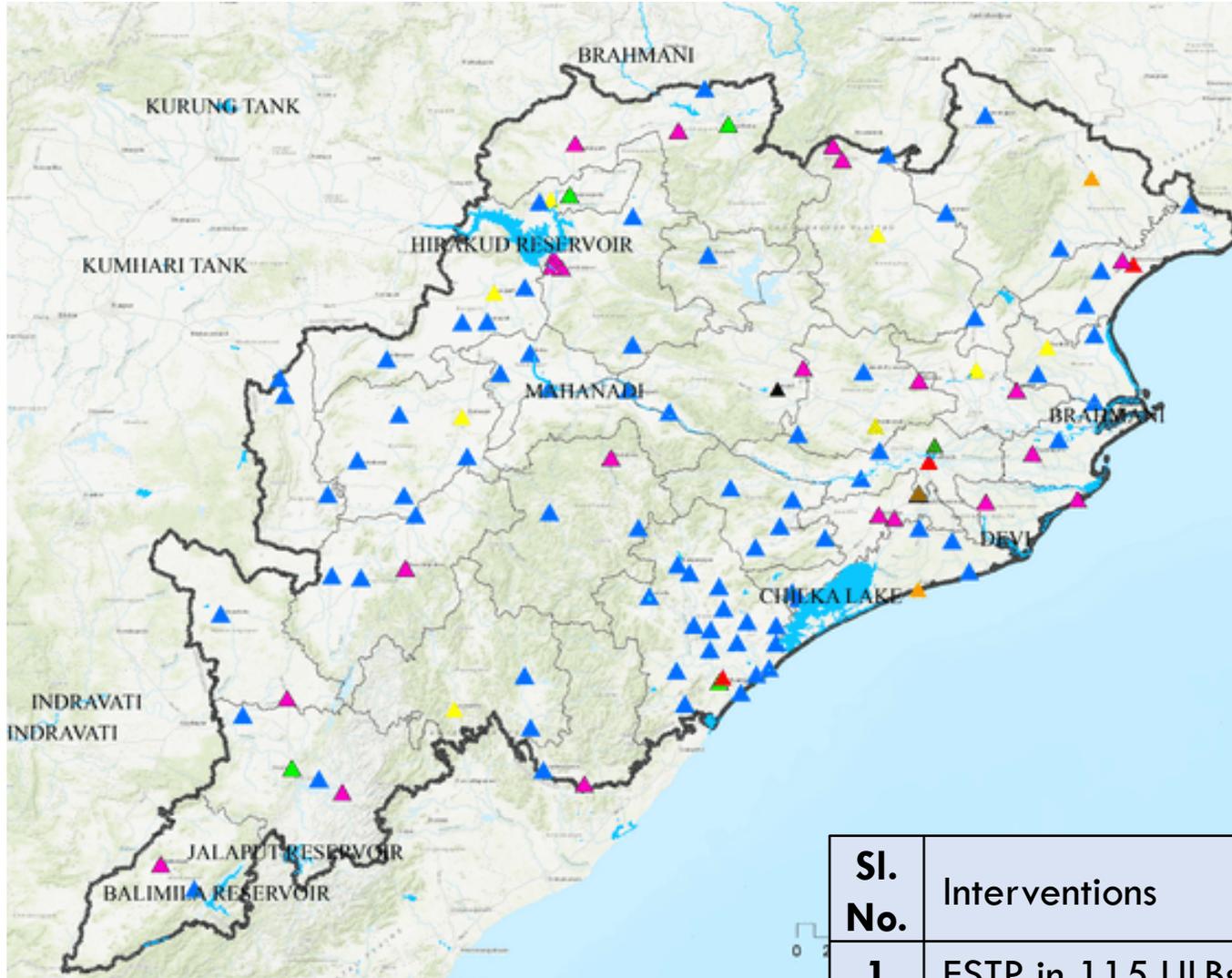
# Status of Liquid Waste Management

| Cities   | Type of wastewater | Quantity generated                                       | Treatment capacity created |
|--|--------------------|--|----------------------------|
| Sewered cities<br>(6 Nos.)<br>STP + FSTP   | Grey Water         | 338.49 MLD   | 370.50 MLD                 |
|  | Black Water        | 0.61 MLD<br>(112.83 MLD<br>converted to faecal sludge*)  | 0.38 MLD                   |
| Total  |                    | 339.10 MLD   | 370.88 MLD                 |
| Non-sewered cities<br>(109 Nos.)<br>FSTP + Grey Water<br>Management (GWM)<br>(Decentralised) | Grey Water         | 302.31 MLD   | **GWM to be<br>implemented |
|  | Black Water        | 0.962 MLD<br>(100.77 MLD<br>converted to faecal sludge*) | 1.677 MLD                  |

\*Faecal sludge generation @ 0.21 liter per capita per day (projected population - 2021)

\*\*Pilot Grey Water Management project taken up in Dhenkanal and Jatni.  
In 109 cities, GWM project to be completed by December 2025

# Odisha's black water Management – On saturation mode



## LEGEND FSTP Capacity

-  10 KLD
-  12 KLD
-  18 KLD
-  20 KLD
-  27 KLD
-  30 KLD
-  40 KLD
-  50 KLD
-  60 KLD
-  75 KLD

 State boundary

Faecal sludge generation in 115 ULBs = 1.572 MLD

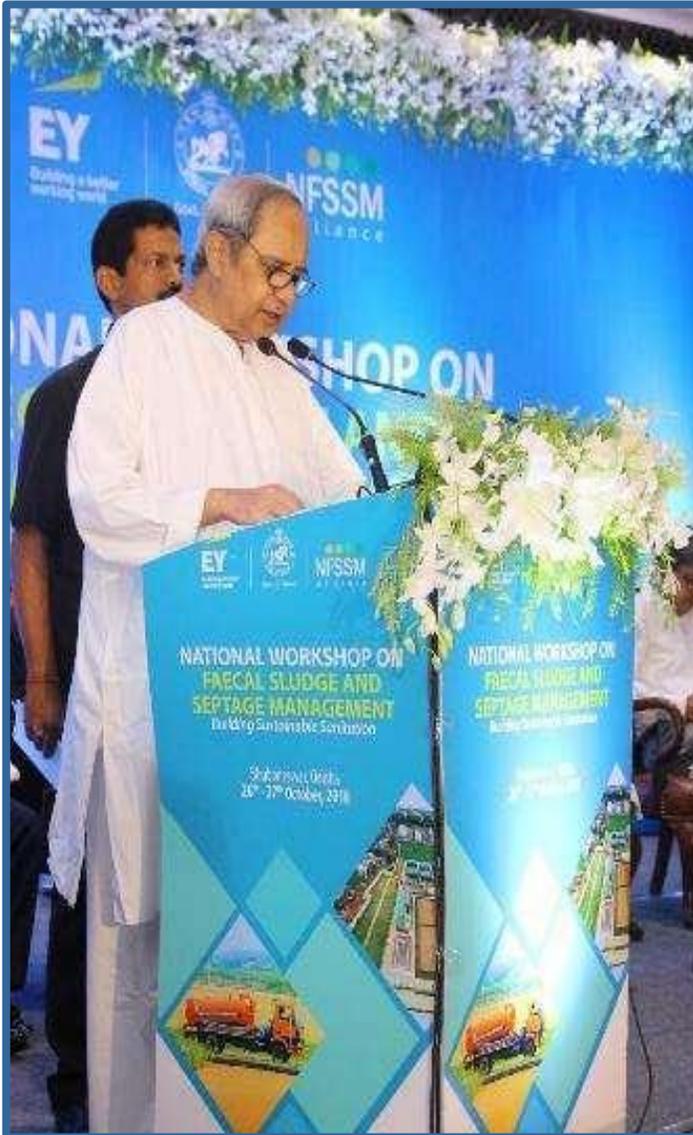
| Sl. No. | Interventions            | Nos. of FSTPs | Capacity  |
|---------|--------------------------|---------------|-----------|
| 1       | FSTP in 115 ULBs         | 119 nos.      | 2.057 MLD |
| 2       | FSTPs commissioned       | 110 nos.      | 1.917 MLD |
| 3       | FSTPs under construction | 9 nos.        | 0.140 MLD |

## Faecal Sludge & Septage Management

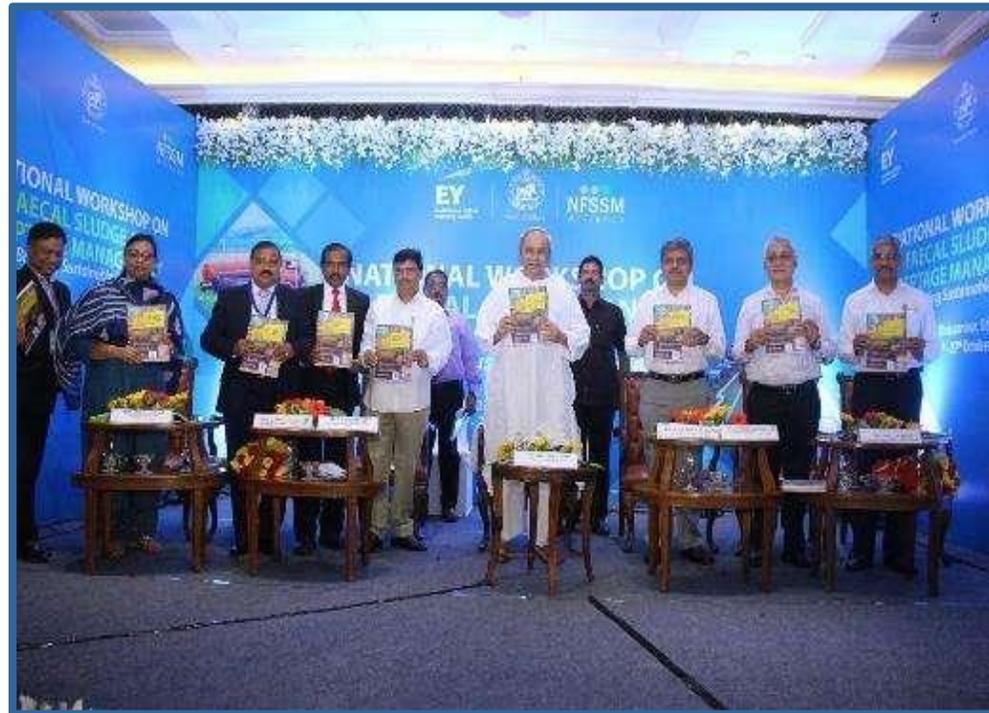
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- State Govt. formulated:
  - Odisha Urban Septage Management Guidelines, 2016
  - Odisha Urban Sanitation Policy, 2017
  - Odisha Urban Sanitation Strategy, 2017
  - Faecal Sludge and Septage Management Regulations, 2018
- Decentralised approach for black water and greywater management
- Additionally, in 6 major cities all the 13 STPs commissioned along with 7 FSTPs
  - Faecal sludge in non-sewered areas treated in FSTPs

# 1<sup>st</sup> National Workshop on Faecal Sludge Management at Bhubaneswar in 24-26 October 2018



- In 2018, Chief Minister inaugurated 6 FSTPs (Bhubaneswar, Berhampur, Dhenkanal, Puri, Rourkela and Sambalpur)
- Announced setting up FSTPs in all ULBs
- In 2023, 110 FSTPs commissioned



## Faecal Sludge & Septage Management



- 247 cesspool vehicles in service
- 179 Nos. of 1500 to 5000 liter capacity
- 68 Nos. of 1000 liter capacity for narrow lanes
- Most vehicles attached with GPS

## Faecal Sludge & Septage Management



- 79 Nos of FSTPs operated by women SHGs
- 1 No FSTP by specially abled SHG
- 7 Nos of FSTPs by Transgender Groups



O&M for FSTP, Nimapara handed over to Transman groups

## Faecal Sludge & Septage Management



Each FSTP has a Laboratory run by a Woman technical resource person

- 70 Labs are being run by Woman graduates from the locality engaged by the SHGs
- Training and periodic Capacity Building by State



- All FSTPS are solar plants- generating solar power
- 10 KW capacity on-Grid **Solar Panel with net-metering** system installed in each FSTP



Play Components installed in each FSTP  
for promotion of FSTP as “Sanitation  
Park”

# Urban-Rural convergence in FSSM - first in the country



**Urban Rural Convergence  
to scale up  
Faecal Sludge Management  
and  
Plastic Waste Management in Odisha**

**Signing of  
Letter of Understanding**

|           |              |
|-----------|--------------|
| H&UD Dept | PR & DW Dept |
| UNICEF    | CPR          |

12:30 PM on 21st September, 2021  
Convention Centre, 1st Floor Conference Hall  
Lok Seva Bhawan

| Swachha Odisha Sustha Odisha |



- This model is appreciated at National level by Ministry of DDWS, GoI
- Other States advised by GoI to adopt this best practice

# GLIMPSES OF OPERATIONAL FSTPs



Angul SeTP



Berhampur SeTP



Bhubaneswar SeTP



Baripada SeTP



Balasore SeTP



Paradeep SeTP



Bhadrak SeTP

# GLIMPSES OF OPERATIONAL FSTPs



Jatni SeTP



Khordha SeTP



Jatani SeTP



Bhubaneswar-II SeTP



Jagatsinghapur SeTP

# National & International Recognition & Awards for FSSM



***FICCI-ISC National awards in 2019 and 2020***



***Prestigious International Guangzhou Award***



## ODISHA WINS 3 NATIONAL AWARDS

For urban sanitation at the prestigious  
5th ISC-FICCI Sanitation Awards 2021

'WOMEN CHANGEMAKERS  
IN SANITATION'

Awarded to



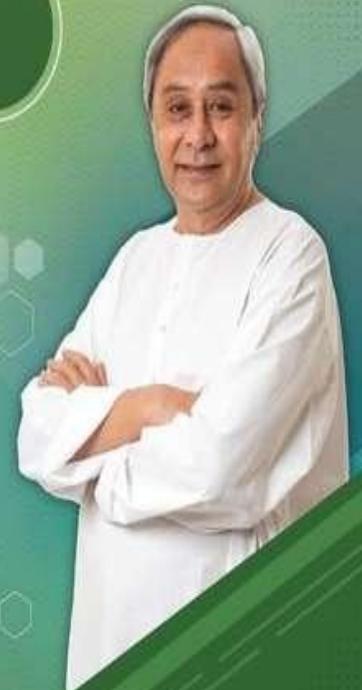
**Ms. Seetal Bastia,**

Secretary, Bahucharamata Transgender SHG  
managing Septage Treatment Plant at  
**Cuttack Municipal Corporation**



## ODISHA WINS 3 NATIONAL AWARDS

For urban sanitation at the prestigious  
5th ISC-FICCI Sanitation Awards 2021



**Dhenkanal Municipality**

awarded with  
'Best Faecal Sludge and Septage Management Model (Urban)'  
Award for demonstrating successful Urban-Rural  
convergence in FSSM by leveraging urban infrastructure and services





## Odisha Bags 3 National Awards at ISC-FICCI Sanitation Awards 2022

### BEST FSSM MODEL-URBAN



Best Faecal Sludge  
& Septage Management  
(FSSM) Model Award to  
Bhubaneswar Municipal  
Corporation (BMC)



### WOMEN CHANGEMAKERS IN SANITATION



Best Women Changemakers  
in Sanitation Award  
to Ms. Sasmita Barik,  
Swachha Sathi,  
Bhadrak Municipality



### BEST SKILLING INITIATIVE FOR SANITATION



Best Skilling Initiative  
for Sanitation Award  
to Jajpur District



National & International Recognition & Awards for FSSM



FICCI-ISC Awards 2022

**National &  
International  
Recognition  
& Awards for  
FSSM**



***Sushri Sheetal Bastia, Secretary of the Bahucharamata Transgender SHG managing the SeTP at Cuttack Municipal Corporation awarded with the 'Women Changemaker in Sanitation Award' by ISC-FICCI Sanitation Awards 2021***



Visit by **Chairman of Punjab Pollution Control Board, Dr. Adarsh Pal Vig**



Visit by Mayors and Senior government officials from **Bangladesh**



Visit by Mayor and other senior officials from **Nepal** for structured training on FSM



Visit by **Bill and Melinda Gates Foundation** team



Visit from Senior Officials from  
**UP, Uttarakhand, Chattisgarh &  
Jharkhand**



Visit by Senior Officials from **Uttarakhand**



Visit by senior officials of **Uttar Pradesh**



Visit by **Shri Manoj Joshi, Secretary, Ministry of Housing and Urban Affairs, Govt. of India**



Visit by Shri Parameswaran Iyer, Former Secretary to Govt. of India,  
Ministry of Drinking Water & Sanitation



Visit by **IAS Probationers** to FSTP



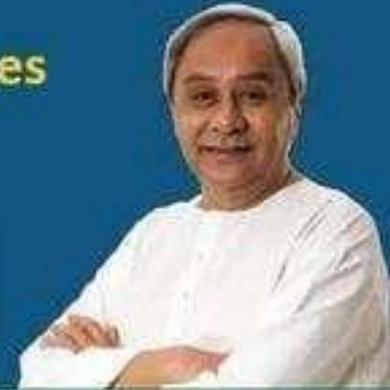
Visit by officials from **Chandigarh**



Visit by Senior officials from **Indian Railways**



## State declares Enhanced Wages & Allowances for Core Sanitation Workers



7 Categories of Core Sanitation Work have been included within Skilled & Highly Skilled Categories of Scheduled Employment

### Highly Skilled (Core Sanitation Worker Grade-I)

Minimum Wages Applicable: **Rs. 461.00**



1. Desludging of Sanitation Systems
2. Septic tank Cleaning and Maintenance



3. Maintenance of Sewer Network
4. Cleaning of Inspection Chambers by entering into it

**15% pro-rata Risk & Hardship Allowance** to be provided to Highly Skilled Grade-I Category for the actual days of engagement in above categories of work

### Skilled (Core Sanitation Worker Grade-II)

Minimum Wages Applicable: **Rs. 401.00**



5. Cleaning of Drains



6. Cleaning, Operation and Maintenance of Public & Community Toilets



7. Operation & Management of Sewage and Faecal Sludge Treatment Plants



Wall paintings in FSTP for awareness creation



Wall paintings in FSTP for awareness creation



Wall paintings in FSTP for awareness creation

# Greywater Pilot Project Implementation in Jatni Municipality



Household level Magic Soak pit

# Greywater Pilot Project Implementation in Jatni Municipality



Lane level Intervention: Leach Pit and Trench





Visit by Team from  
Politecnico of  
Turin, SMAT, **Italy** and  
WaterLinks, **Philippines** on  
Grey water Management



Visit by Team from WASTE, The Netherlands

As an outcome of these interventions, 19 polluted River stretches have been reduced to 7

# Implementation of SWM in Rural areas

- “**Bye Laws on SWM in Rural Areas of Odisha, 2019**”, in line with the SWM Rules 2016 is adopted by all the GPs in 2019
- The **Odisha Rural Sanitation Policy 2020** has been promulgated.
- State guidelines on implementation of SWM Rules issued by the Department in 2020 inline with SBM-G Phase II program
- **12,612 (27%) villages** have provisions to manage solid waste
- **Following are the key progresses towards SWM:**

| Parameter                           | Progress          |
|-------------------------------------|-------------------|
| No. Community compost pits          | 29,037            |
| No. of Household Compost Pits       | 6,28,410          |
| No. of GPs where SHGs tagged        | 4,086 (60.1%) GPs |
| No. of waste segregation sheds      | 17,387            |
| No of vehicles for waste collection | 15,424            |

- All GPs to be made compliant to SWM Rules 2016, through SBMG Phase II program by FY 2024-25

# Rural Urban Convergence towards SWM and FSM

- **Solid Waste management-** All villages have been tagged with existing functional MRF centre at ULBs towards processing the recyclable waste.
- SHGs are carrying out door-to-door collection of recyclable waste.
- The wages for waste collection are being met from the user fee collected and incentives.
- Exhaustive IEC activities are being taken up towards this.
- **850 trips of plastic waste (apx 110 tonnes)** from rural areas have been sent to ULBs.
- **Faecal Sludge management-** All the GPs within apx. 20 km distance from ULBs have been tagged for FSM services with the ULBs.
- **Apx 500 trips per month** are being sent from rural areas to urban FSTPs.
- There has been **substantial reduction in pollution** in the rural water bodies/ rivers due to implementation of rural-urban convergence for FSM.

# Awards and Achievements

- The **Rural-Urban convergence model** initiated in the state has been **appreciated at the National level in multiple forums** and subsequently all the States have been advised to adopt the same by DDWS, GoI.
- The States has **bagged 9 nos. of awards at National level** under Swachh Survekshan Grameen 2022



# SWM in action



**Plastic Waste Segregation Sheds**



**Community Composting of Bio-degradable waste**

**Segregation at GP level**

# SWM in action



Plastic Waste Collection and Transfer

IEC Wall Paintings on SWM

# Fund Committed for Solid And Liquid Waste Management

| A- Funds committed for Solid Waste Management  |  |                     |                     |                 |
|--|--|---------------------|---------------------|-----------------|
| Sl. No.  |  | Amount in Rs. Crore | Fund to be received | TOTAL           |
| 1  | 15th FC Tied Grant in Sanitation                     | 645.00              | 682.50              | 1327.5          |
| 2  | 5th SFC Grant on Sanitation & Solid Waste Management | 190.00              | 127.67              | 317.67          |
| 3  | Solid Waste Management component under SBM (Urban)   | 102.00              | 200.00              | 302.00          |
| 4  | Urban-Rural Convergence for SWM                      | 50.44               |                     | 50.44           |
| <b>Sub-Total (1)</b>                           |  | <b>987.44</b>       | <b>1,010.17</b>     | 1997.61         |
| B- Funds committed for Liquid Waste Management |  |                     |                     |                 |
| Sl. No.  |  | Amount in Rs. Crore | Fund to be received |                 |
| 1  | 5th SFC (Septage Management)                         | 25.00               | 16.66               | 41.66           |
| 2  | Urban-Rural Convergence for FSSM                     | 69.62               |                     | 69.62           |
| 3  | Urban Septage System                                 | 70.00               |                     | 70.00           |
| 4  | Used Water Management SBM (Urban)                    |                     | 986.00              | 986             |
| <b>Sub-Total (2)</b>                           |  | <b>164.62</b>       | <b>1,002.66</b>     | 1167.28         |
| <b>Grand Total</b>                             |  | <b>1,152.06</b>     | <b>2,012.83</b>     | <b>3,164.89</b> |

**In addition to above Rs. 1300 Crore available with PR & DW Deptt. for SWM in Rural Areas**