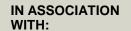
TAMIL NADU URBAN SANITATION SUPPORT PROGRAM

WORKSHOP ON SETPAGE TREATMENT TECHNOLOGY CEPT University All India Institute of Local Self Government Urban Development Department, Government of Maharashtra

TECHNICAL SUPPORT UNIT:









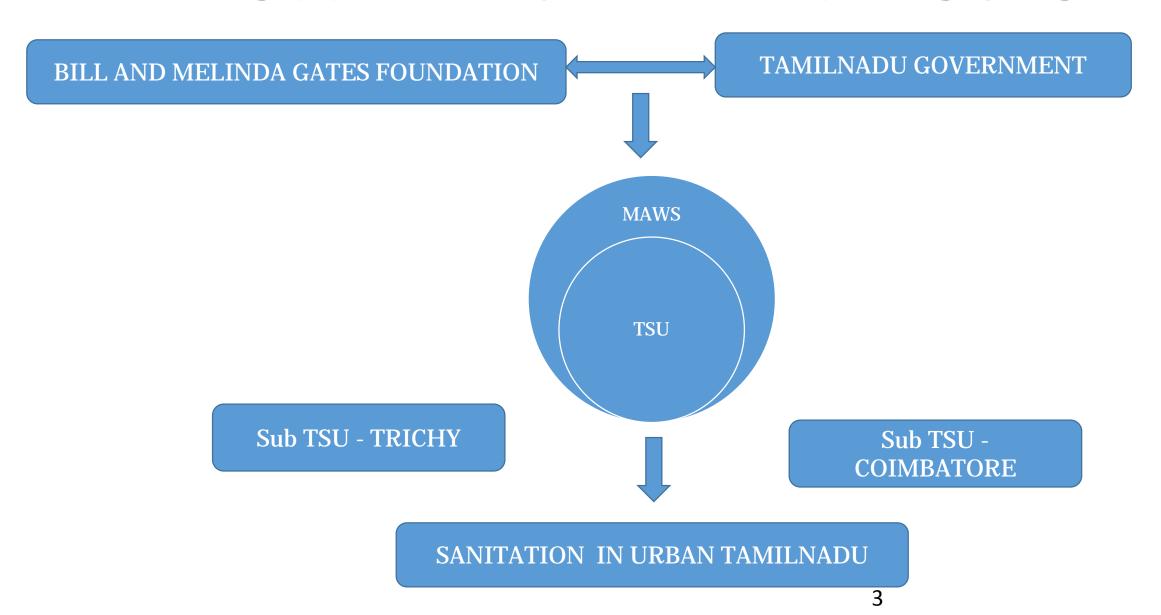


OBJECTIVES OF TNUSSP

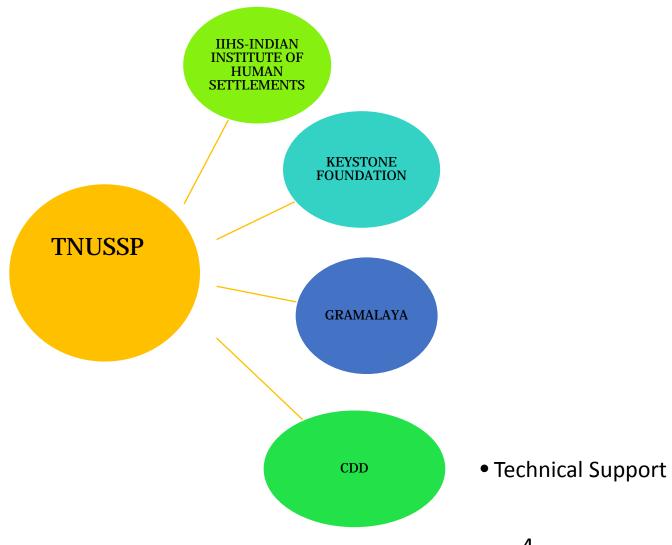
- •100 % Open Defection Free Status
- Sanitary Toilets/ Safe Containments
- •Safe Collection, Conveyance, Treatment, Disposal And Reuse

10/25/2016

TNUSSP - ORGANIZED STRUCTURE



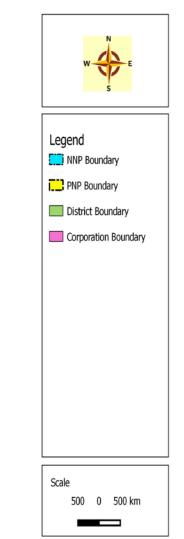
CORE TEAM



LOCATION OF ULBs







Population Details of ULB

Periyanaickenpalayam

Population:25930,

HH:7377

PT:13

OD % : 1.5 ~

Narasimhanaickenpalayam

Population:17858

HH:5023

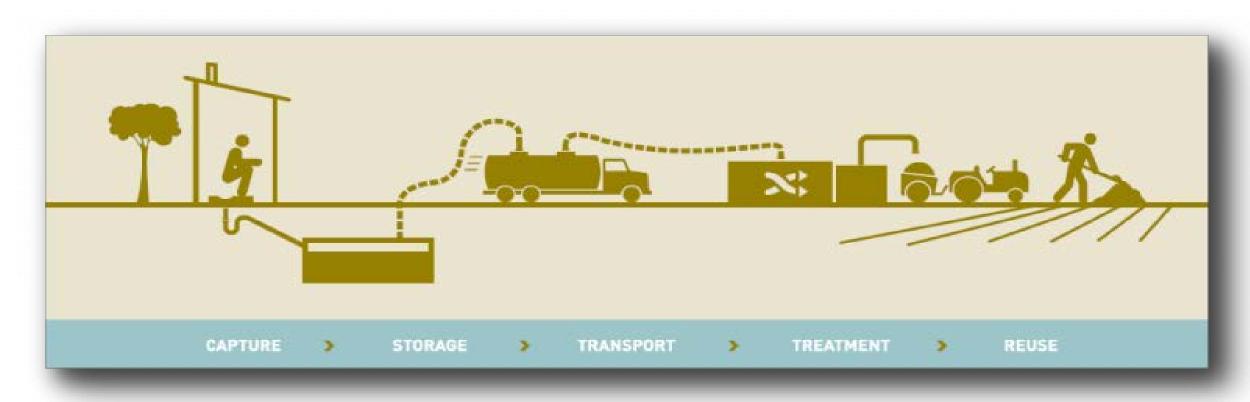
PT:12

OD %: 2.0~

*No Treatment System Available in the Project area

Census Source:2011

CHALLENGES ACROSS SANITATION VALUE CHAIN



USER INTERFACE

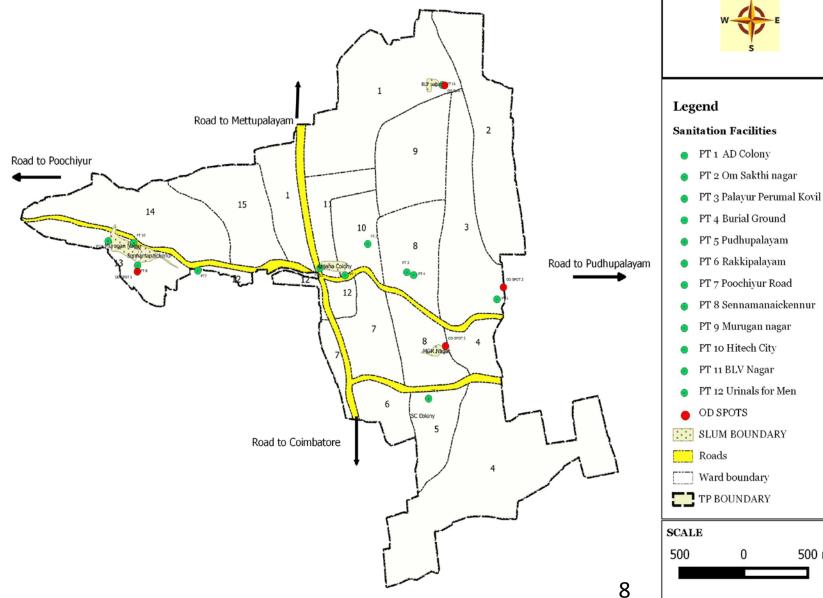
BSUP SCHEME - 2008



SBM - 2016

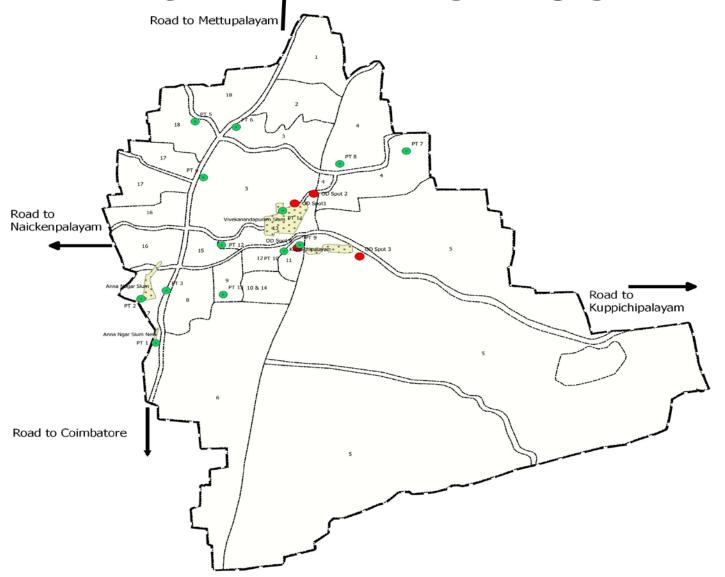


NNP - SANITATION CONDITION



500 m

PNP – SANITATION CONDITION





Legend

Sanitation Facilities

- PT 1 Anna nagar Main road
- PT 2 Anna Nagar Slum
- PT 3 Shopping Complex
- PT 4 Irwin road
- PT 5 KK nagar
- PT 6 Jothipuram
- PT 7 Recovery Park
- PT 8 Kasthuripalayam
- PT 9 Railway Bridge
- PT 10 Ganguvar Street
- PT 11 Vivekanandhapuram
- PT 12 Sakthi nagar
- PT 13 Union tank Road
 - OD Spot
- Slum Boundary
 - Ward Boundary
 - TP Boundary

SCALE500 0 500 m

PUBLIC SANITARY CONVENIENCES













TYPICAL UNDER CONSTRUCTION CONTAINMENTS IDENTIFIED









COLLECTION AND CONVEYANCE

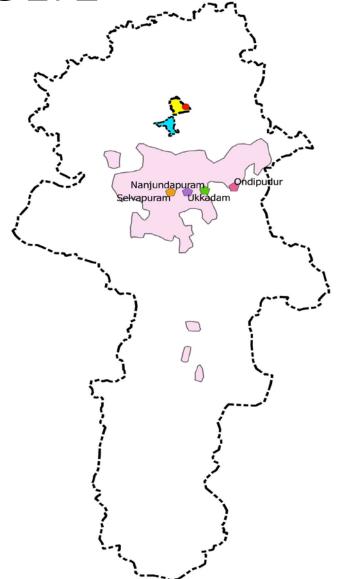
- Two TPs completely depend on the private sludge operators for emptying the septic tanks in HH and PTs
- Safety gears not used due to operational difficulties.
- Access to the septic tank/pit is difficult as most of them are sealed and need to break open
- They face criticism and exclusion from the households (dirty job, stay away attitude)
- Lack of disposal points in the vicinity (the Ukkadam STP is too far and is only for registered operators)

(Source- Field study TSU & CDD technical baseline)





TRANSPORT





Legend

- Proposed FSTP Site
- NNP boundary
- PNP Boundary

STP Locations

- Nanjundapuram
- Ondipudhur
- Ukkadam
- Selvapuram
- District boundary
- Corporation Boundary

Scale

5500000 km

DISPOSAL & RE-USE

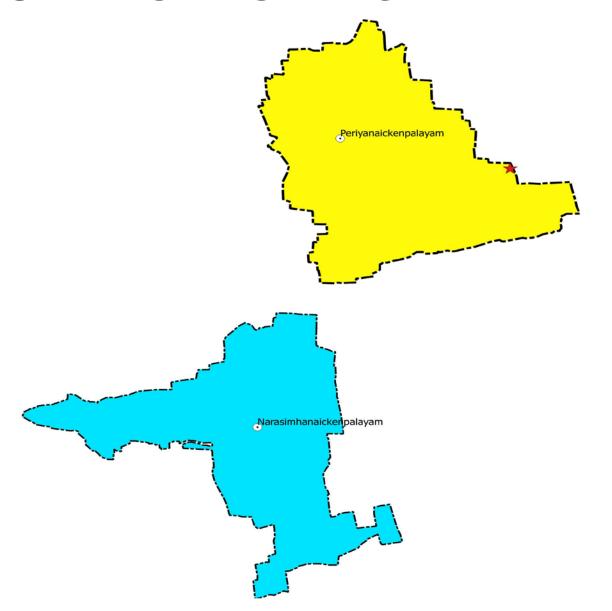








LOCATION OF FSTP





Legend

- Narasimhanaickenpalayam
- Periyanaickenpalayam
- ★ Proposed FSTP site
- PNP Boundary
- NNP Boundary

Scale 500 0 500 km

VOLUME OF FAECAL SLUDGE COLLECTED

- •No. of service providers 6
- •No. of vehicles -12
- •No. of loads collected by sludge operators: 130/month ±10 loads
- •Average capacity of Collection vehicle :5000 L

Total sludge collected: 650 m3 / month

- •Per day sludge collected: 21.7 m3
- •Total Load Accepted by farmers for disposal: 100 loads/month (Source- Field survey, TSU)



GROUND WORK OF FSTP SITE



BMGF VISIT TO THE SITE

ACHIEVEMENTS

- Formation of Advisory committee and working groups in TPs
- Baseline survey
- Community interaction
- Mapping TP Features
- Water sampling and analysis
- Soil sampling and analysis
- School sanitation program for about 1200 students
- Support from ULB officials for CT renovation
- Increased awareness among the general public
- Stakeholder analysis
- Acquired land for <u>FSTP</u>

PLANNED ACTIVITIES

- City Sanitation Plan (CSP)
- Assessment of Public Sanitary Conveniences
- Renovation of one Community Toilet as sample intervention
- Establishing a Fecal Sludge Treatment Plant (FSTP)
- Programme on School Sanitation
- Organizing FSTP awareness campaigns in both the ULBs
- Training for SHG women on toilet management
- Engaging stakeholders and communities in TNUSSP
- Capacity Building Masons on appropriate technologies
- Enterprise development

CHALLENGES FACED

- Secondary data unavailable and un-organised from ULB
- Farmers and sludge operators are skeptical
- Organizing regular district level Advisory committee meeting
- Difficulty in identifying type of containments
- •Team faced resistance in interacting with public in the absence of elected members
- •Difficulty in identifying the categories of residential settlements

Thank You!