

1. **Title of grant: City Wide Sanitation Enhancement - Warangal, India**
2. **Subtitle (more descriptive title):** City wide sanitation investment to transform Warangal and to trigger city level change and replication
3. **Name of lead organization:** Administrative Staff College of India
4. **Primary contact at lead organization:** Prof. V. Srinivas Chary, Director, Urban Governance and Environment
5. **Grantee location:** Hyderabad
6. **Developing country where the research is being or will be tested:** India
7. **Start and end date:** Nov 2017 – Oct 2021
8. **Grant type:** Water, Sanitation, and Hygiene
9. **Grant size:**
10. **Short description of the project:** Transforming the City of Warangal in to a model sanitation city with emphasis on faecal sludge management
11. **Goal(s):** Transform the City of Warangal in to a model sanitation city that is inclusive and meets the SHG 6.2 and 6.3 goals
12. **Objectives:** To support city-wide sanitation improvements (institutional mechanisms, capacity building, multi-stakeholder participation, gender mainstreaming, service delivery) with a focus on FSM
13. **Research or implementation partners:** Technical support and Implementation partner
14. **Links, further readings – results to date:**
15. **Current state of affairs:** Interventions focused across the FSM value chain focused on equitable and inclusive access to sanitation
  - **Access** - Construction of new household toilets, public toilets on PPP and SHE toilets.
  - **Containment** – Conversion of insanitary toilets to sanitary toilets, containment as per scientific design standards.
  - **Transport** – Empaneled desludging operators being monitored through ICT tools, submitted proposal and planning implementation of scheduled desludging.
  - **Treatment** – Operationalized 15 KLD FSTP based on thermal process (pyrolysis). Building 10 KLD pilot FSTP based on bio-digester technology. Adding additional capacity of 150KLD for city-wide implementation of scheduled desludging.
  - **Institutional strengthening and capacity building:** Established a Non-sewer sanitation cell headed by the Municipal Health Officer (MHO) focused on implementing and sustaining FSM interventions. Organized training programs and study tours for NSS cell members. Empowering sanitation workers through initiatives focused on safety, well-being and livelihoods.
  - **Behavioral Change Communication (BCC):** Developing new and innovative BCC campaign strategies for FSM with the help of partners - BBC Media Action.

- **Monitoring and evaluation:** Developed ICT tools to monitor utilization of PTs, disposal of sewage by desludging operators, S-Line – to drive construction of household toilets and conversion of insanitary toilets to sanitary toilets.
- **Community Engagement:** Reconstituted City Sanitation Task Force (CSTF), a multi-stakeholder platform to drive and sustain sanitation interventions. CSTF has a gender sub-committee with women leaders and representatives of the third gender to ensure equitable access to sanitation and women empowerment. Commitment from corporates; to fund STP in a government social housing project for the urban poor and for WASH and MHM initiatives in schools.
- **Innovation:** Developed a soap bank, a crowd sourced platform for creating a soap repository to be used by children in government schools for hand washing, promoting workers' safety and well being

#### **16. Biggest successes so far:**

- First city in India to operationalize FSM guidelines in 2016
- Establishment of the first Faecal sludge treatment plant based on pyrolysis and development of a sanitation resource park in December 2017
- More than 45 public toilets on PPP with well-defined Service Level Agreements
- Use of Information and Communication Tools for monitoring
- First of its kind in the country, exclusive, “women only” toilets for women– SHE toilets.
- Universal coverage of WASH infrastructure in schools
- First city government to have a Non-sewer sanitation cell
- City Sanitation Task Force, a multi stakeholder group actively involved in sanitation planning and monitoring with a subgroup on gender
- Proposal for scheduled desludging approved by the City Council
- Scaling up Warangal experience across the state covering 73 towns in Telangana

#### **17. Main challenges / frustration:**

- Conversion of insanitary toilets to sanitary toilets due to significant limitation of space and other cultural barriers
- Scaling up PT/CT/SHE toilet initiatives (land related issues)
- Gender budgeting for promoting equity
- Operations and Maintenance of community toilets funded by local communities
- Implementing scheduled desludging
- Expanding treatment facilities
- Usage of personal protective equipment by sanitation workers