



**“Capsule -III Specialised Training on Integrated Municipal Solid Waste Management under AMRUT”**



**Date: - 28.02.2017 to 02.03.2017**

**Venue: - Nethravathi Hostel, SIUD, Mysore**

**Chandranayak . O**

Course Director

Phone No: 9742863630

**Ravi.J**

Course Assistant

Phone No: 8904847991



**State Institute of Urban Development**

ATI Campus, Lalitha Mahal Road, Mysore-570 011

Ph: +91-821-2520163, 2520116, Fax: +91-821-2520164

E-mail: [directorsiud@yahoo.co.in](mailto:directorsiud@yahoo.co.in) Website: [www.siudmysore.gov.in](http://www.siudmysore.gov.in)

**Aim**

To develop skills and techniques among the officers to effectively formulate and implement the integrated Municipal Solid Waste Management in the ULBs.

**Objectives****At the end of the training trainees will be able to**

- Explain the overall orientation of the Solid Waste management.
- Identify the hurdles to overcome the difficulties in the Solid Waste management.
- Describe the policies and programmes on Solid Waste Management Project in Urban India

**Content:**

- Planning Process for MSWM in the cities-seven step approach.
- MSW Flow Chart and Data analysis. (Exercise).
- Technical aspects on Municipal sanitary land filsite and Regional Approaches. (Exercise)
- Technical aspects on Centralized/Decentralized systems and Selection of appropriate technologies. (Exercise)
- Management aspects monitoring Municipal Solid Waste Management service provision.
- Road map Development.
- Field Visit

**Course Methodology**

- Lesson / practice orientation
- Case work/exercise in groups
- Wrap-up sessions/discussions
- Individual work/reading
- Games
- Transfer elements

**Target Group:** Environmental Engineers of ULB's from Selected AMRUT Cities of Karnataka.

**Duration:** The course is scheduled for 3 days,

**Certification:** The participants will be awarded certificates on completion of the course without any absenteeism on 3rd day at the end of the course.

**Outcome:** Participants will be able to implement Solid Waste Management and Recycling Schemes in ULBs without cost and time over run and successfully carry out O & M to ensure efficient and timely delivery services with Environmentally Sustainable.



Day 1, 28.02.2017

Time	Topics / Sessions	Facilitation
9.30 to 10.00	Registration	Course Assistant
10.00 to 10.30	Inaugural session <ul style="list-style-type: none"><li>Welcome address/ opining</li></ul>	<b>Sri Venkatesh Kadagadkai G</b> Director, SIUD, Mysore & <b>Chandranayak O</b> Faculty, Environmental Management , SIUD, Mysore
10.30 to 11.15	<b>Introduction to AMRUT Capsule –III</b> <b>Registration and Introduction- Setting tone to the training course.</b>	<b>Chandranayak O</b> Faculty, Environmental Management , SIUD, Mysore
<b>11.15 to 11.30 Tea Break</b>		
11.30 to 01.30	❖ <b>Planning Process for MSWM in the cities-Seven step approach</b> <ul style="list-style-type: none"><li>Rationale and elements of 7-step approach.</li><li>Planning Process for MSWM in connection with CSP</li><li>Reflection of challenges in the process.</li></ul>	<b>Sri. C.G.Bethsurmat</b> Commissioner (Rtd) Mysore City Corporation, Mysore. M 9448169787 cgbmath@gmail.com
<b>01.30 to 02.15 Lunch Break</b>		
02.15 to 02.25	<b>Energizer : Avalanche</b>	Course Assistant
02.25 to 04.40	❖ <b>MSW Flowchart and Data analysis</b> <ul style="list-style-type: none"><li>MSW Flow chart</li><li>Elements of flow chart</li><li>Development of flow chart for the city of application</li><li>Data analysis with reference to Manual</li><li>Key data required</li><li>Key conclusions from data analysis.</li></ul>	<b>Chandranayak O</b> Faculty, Environmental Management , SIUD, Mysore
04.40 to 06.40	❖ <b>Technical aspects on Municipal sanitary land fill site and Regional Approaches</b> <ul style="list-style-type: none"><li>Compressive regulations on the sitting, design and operation.</li><li>Environmental impacts</li><li>Concept of regionalization.</li><li>Benefits.</li><li>Requirements.</li><li>Organization set-up.</li></ul> <b>Wrap-up</b>	<b>Dr. Manoj Kumar</b> Professor SJCE Mysuru M:9886544263 E-mail:bmanoj65@gmail.com





Day 2, 01.03.2017

Time	Topics / Sessions	Facilitation
9.30 to 10.00	<b>Reflections</b> Key learning messages from previous day	<b>Course Director</b>
10.00 to 6.00	<b>Field Visit</b> Bio Medical Waste Management Treatment facility H.D.Kote Road, Mysore	<b>Sri. Mukunda,</b> Plant supervisor, GIPS Biotech, H.D.Kote Raod, Mysore. M: 9535106703
	Mysore City Corporation, GIS and GPS Vehicle Tracking systems for SWM Management	<b>Sri Vishwanath.B.S</b> AGM, Customer Support, KALLATRA, Technologies Pvt Ltd, Mysore, M: 9902355144
	Infosys green campus (sustainable waste management and technologies) <b>Wrap up</b>	<b>Sri Rudrachari</b> Plant Engineer, Infosys, Mysore

Day 03, 02.03.2017

Time	Topics / Sessions	Facilitation
9.00 to 09.30	<b>Reflections</b> Key learning messages from previous day	Course Director
09.30 to 11.30	❖ <b>Technical aspects on Centralized / Decentralized systems and Selection of appropriate technologies</b> <ul style="list-style-type: none"> <li>• Pros and cons for centralized / decentralized systems.</li> <li>• Examples of application for centralized / decentralized technologies.</li> <li>• Different technologies within flow chart.</li> <li>• Criteria to select technologies.</li> </ul>	<b>Dr. Yathish Gopal</b> Environmental Officer KSPCB Mysuru M;9845311406 E-mail:yathishgopal@gmail.com
<b>11.30 to 11.45 Tea Break</b>		
11.45 to 01.45	❖ <b>Management aspects monitoring Municipal Solid Waste Management service provision.</b> <ul style="list-style-type: none"> <li>• Data collection analysis.</li> <li>• Service Level Benchmarks</li> <li>• MIS</li> <li>• O &amp; M Plans</li> <li>• Preventive maintenance</li> <li>• Complaint redressal systems.</li> <li>• Environmental and Occupational health</li> <li>• IEC</li> </ul>	<b>Dr P.M Kulkarni</b> Bhageerath, Mysore. M:9480692432, e-mail: bgrath@gmail.com
<b>01.45 to 02.30 Lunch Break</b>		

