



सरकारमेव जगदी
Government of India



*Atal Mission for Rejuvenation
and Urban Transformation*



Training Programme (Capsule-2) on Project Implementation & Monitoring (Water Supply & Sewerage System) for the Engineers of ULbs /KUWS&DB/KUIDFC Under "AMRUT" Mission (MOUD)

Batch – 5

Date: 14th to 16th December 2016

Venue: Nethravathi Hostel, SIUD, Mysuru

Sri Ramesha H

Course Director

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Course Assistant



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Aim:

1. To develop awareness about the Roles & Responsibilities of all stake holders on service delivery in ULBs, Project planning, implementation, Contract & construction management 74th CAA, 24x7 water supply, SLBM, DLMC, O & M of the Projects;
2. To familiar with the fundamental design considerations/concepts of components in water supply & UGD system.
3. To promote sustainability in planning, implementation, development & maintenance of water supply, sewerage system (Centralized & Decentralized systems), Recycling of waste water etc; in ULBs.
4. To equip participants with Skill and attitude towards application of advanced technologies/ smart solutions in water supply & sewerage system for efficient management.
5. To motivate the participants through sharing of knowledge, best practices/case study/field exposure in the field of water supply, Sewerage(UGD) system, Automation of system, SCADA etc; in ULBs.
6. Awareness about application of GIS/GPS/RS, Basic principles, Importance/Role, Functioning Stages in GIS/RS/GPS Process, Concept of layers in GIS, Importance of data base etc; in successful monitoring & management of projects.

Objectives:

After the completion of the 3 days training programme, the participants will be able to

- a) Describe 74thCAA, Discretionary functions, Roles & Responsibilities of all stake holders in implementation of projects, Roles & Responsibilities of Boards, ULBs in O & M of projects.
- b) Describe Basic considerations in design of water supply & sewerage systems, Technical aspects, Sustainable solutions for water, waste water treatment & reuses etc; with respect to AMRUT Mission plans in ULBs.
- c) Explain steps involved in Project planning, implementation & Development, Contract management and Construction management, PPP etc;
- d) Explain applications of smart solutions for water metering & Billing, Water quality monitoring, SCADA etc; with innovative & latest technologies.
- e) List the uses & applications of Remote sensing(RS)/Global positioning system(GPS)/Geographic information system (GIS) in ULB services etc;

Course Content:

The course covers the following themes;

- a. Roles & Responsibilities of ULBs and all stake holders
- b. Project planning & implementation, Monitoring
- c. Key components of water supply & Sewerage systems with design concepts
- d. Contract management & Construction management
- e. Adoption of innovative technologies, Automations, Best practices of case studies
- f. Application of RS/GPS/GIS in ULBs

Course Methodology:

1. Lecture/Presentation through PPTs
2. Interactions on Issues & challenges in project implementation, O & M etc;
3. Soft copy CPHEEO Manual on Water supply & Sewerage system, design software
4. Group Discussions.

Target Group:

Engineers from ULBs/KUWS&DB/KUIDFC will be the participants for the training.

Duration: The course is scheduled for 3 days

Schedule of training Programme (Capsule-2) on Project (Water supply & sewerage system) implementation & monitoring for the Engineers of ULBs/KUWS&DB & KUIDFC under "AMRUT" Mission of MoUD (Batch-5)

| Time | Topics / Sessions | Resource Persons |
|---------------------------------------|--|--|
| Day 1 - 14.12.2016 | | |
| 9.30 to 10.00 | Registration | Sri. Umesh B , Course Assistant |
| 10.00 to 10.15 | Welcome Key Note Address and Objectives | Sri Venkatesh Kadagadkai G Director, SIUD, Mysore Sri Ramesha H Faculty, SIUD, Mysore |
| 10.15 to 11.45 | Institutional frame work ; Roles & Responsibility of Stake holders, 74 th CAA, Funds & Community participation with provision of public services in ULBs, DLMC, SLBM etc; | Dr. P.M. Kulkarni , President , Bhageerath, Mysore Ph. 94806 92432 Email : pmk1963mys@gmail.com |
| 11.45 to 12.00 Tea Break | | |
| 12.00 to 1.30 | Stages in Project preparation/ Project Development : Project planning, appraisal, Assessment of existing sources & infra structure, Recognisance survey, Feasibility report, detailed Surveying & mapping, Drawings, Estimates, DPR preparation, Sanction/Approval process, etc; | Dr. P.M. Kulkarni , President , Bhageerath, Mysore Ph. 94806 92432 Email : pmk1963mys@gmail.com |
| 01.30 to 02.15 pm Lunch Break | | |
| 2.15 to 5.30 (4 to 4.15 Tea break) | Design considerations for Key components of Water supply & Sewerage systems : Basic design considerations for various components of Water supply & Sewerage systems, concept of 24x7 water supply, Use of tools, Norms for water supply delivery and discharge standards for treated waste water (ISO & KSPCB standards), reuse options etc; | Sri Shivaraju G M , Rtd. ACE, BWSDB, Bangalore Ph.98454 44135, 99455 40055 Email: shivaraju_gm@yahoo.com |
| Day 2 - 15.12.2016 | | |
| 9.30 to 11.30 | Application of GIS & ICT : Application of Remote sensing, Global positioning system & Geographic information system in ULBs for effective Monitoring & Management using GIS and soft- ware application for all engineering /administrative solutions | Sri Ramesha H Faculty/AEE, SIUD, Mysore Ph.9481169733 Email : hebbale@gmail.com |
| 11.30 to 11.45 Tea Break | | |

