



**Training Programme (Capsule-2) on Project implementation for the
Engineers of ULBs/KUWS&DB/KUIDFC under "AMRUT" Mission (MoUD)**

Implemented Schedule

Batch - 1

Date: 14th to 16th Nov 2016
Venue: Nethravathi Hostel, SIUD, Mysuru

Sri H Ramesha

Course Coordinator

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Course Assistant



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Aim:

1. To develop awareness about the Roles & Responsibilities of all stake holders in service delivery in ULBs, Project planning, implementation, Contract & construction management for timely completion of projects, 74th CAA, 24x7 water supply etc;
2. To familiar in the design concepts of components in water supply & UGD system
3. To promote sustainability in planning, implementation, development & maintenance of water supply, sewerage system and public services in ULBs.
4. To equip participants with Skill and attitude towards advanced technologies, efficient management with sustainability including different PPP.
5. To motivate the participants through sharing of knowledge, best practices/case study/field exposure & to sensitize the participants use of software in the field of water supply, Sewerage (UGD)system, Automation of system, SCADA etc; in ULBs including hands on experiences.
6. Awareness about GIS/GPS/RS Basic principles, Importance/Role, Functioning Stages in GIS Process, Concept of layers in GIS, Importance of data base etc; in successful implementation of project.

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.
- b) Describe Basic concepts in design of projects, Technical aspects, Sustainable solutions for water, waste water usages etc; with respect to AMRUT Mission plans in ULBs.
- c) Handles design software of water supply & sewerage system using computer.
- d) Explain steps involved in Project planning & Development, Contract management and Construction management.
- e) Explain smart solutions for water metering & Billing, Water quality monitoring, SCADA etc;
- f) Describe uses of Remote sensing/Global positioning/Geographic information system applications 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
- c. Design of water supply & Sewerage systems
- d. Innovations, Best practices with case studies in Automations
- e. Contract management & Project management
- f. Application of RS/GPS/GIS in ULBs

Course Methodology:

1. Lecture/Presentation through PPTs
2. Hands on Exercises with computer
3. Interactions on Issues & challenges in project implementation
4. Software design manuals
5. 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

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Time	Topics / Sessions	Resource Persons
Day 1 - 14.11.2016(Monday)		
9.30 to 10.00	Registration	Smt. Pooja R.P, Course Assistant
10.00 to 10.15	Welcome Key Note Address and Objectives	Sri VenkateshKadagadkai G Director, SIUD, Mysore Sri H. Ramesha Faculty/AEE, SIUD, Mysore
10.15 to 11.45	Institutional frame work ; Roles & Responsibility of Stake holders, 74 th CAA, Funds & Community participation for provision of public services in ULBs	Dr. P.M. Kulkarni, Secretary, Bhageerath, Mysore Ph. 94806 92432 Email : pmk1963mys@gmail.com
11.45 to 12.00 Tea Break		
12.00 to 2.00	Project formulation: Project planning, appraisal and implementation of water and sanitation projects to meet requirement of national & international funding agencies which includes all aspects of existing and proposed project.	Sri M.N.Tippeswamy Engineer in Chief (Retd.) BWSSB & DB, Bangalore. Ph. 9880999333 Email: mnts1947@gmail.com
02.00 to 02.45 pm Lunch Break		
2.45 to 5.15 pm	Design of Water supply projects : Basic design criteria, Hands on exercise on Applications of software for design of pumps, Economical dia of rising main, distribution system using LOOP, Water hammer analysis, Concept of 24x7 water supply etc with case studies Design of Components: Design of water treatment plant : Design of components of Aerators, Flash mixing, Filters, Disinfection, Reservoirs etc; with case studies	Dr. B. Manoj kumar, Professor, SJCE, Mysore Ph: 98865 44263 Email : bmanoj65@gmail.com
Day 2 - 15.11.2016 (Tuesday)		
9.30 to 11.00am	Application of GIS & ICT : Application of Remote sensing, Global positioning system & Geographic information system in ULBs for effective monitoring using GIS and soft- ware application for all engineering solution/ administrative solutions	Sri Ramesha H Faculty/AEE, SIUD, Mysore Ph.9481169733 Email : hebbale@gmail.com
11.00 to 11.15 Tea Break		
11.15 to 01.45pm	Design of sewerage system projects Hands on exercise on Design of entire sewer system using software, Estimation of components, Network analysis, etc; with case studies	Dr. B. Manoj kumar, Professor, SJCE, Mysore Ph: 98865 44263 Email : bmanoj65@gmail.com

