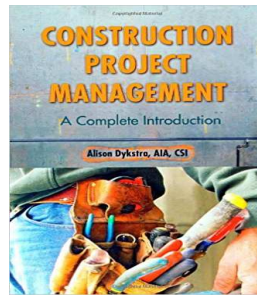




**Training schedule on Capacity Building programme for Engineers of Smart Cities on "Procedure for Implementation of Civil Works in Smart cities" (Capsule-2) under Smart Cities Mission, MoHUA, Government of India, New Delhi.**



### Implemented Schedule

**Date: 16<sup>th</sup> to 18<sup>th</sup> August 2018**

**Venue:** Hall No. 3, Nethravathi Hostel, SIUD, Mysuru

**Sri H. Ramesha**

Course Director

Mobile No: 9481169733

e-Mail: hebbale@gmail.com

**Sri Vijesh K**

Course Assistant

Mobile No: 9538279253



**State Institute of Urban Development**

ATI Campus, Lalitha Mahal Road, Mysuru- 570 011

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

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**Aim of training:**

Capacity building on broad issues on Urban functionary, Administrative & Technical aspects, Delegation of powers, Enhancing monitoring & management skills of contracts, Adaptation procedure for innovative culture through the advanced/recent concepts with PPP, e-procurement initiatives for better delivery of smart services to the public through Smart cities Corporations.

**Objectives:**

At the end of the training, the participants will be able to;

- ✓ List out the delegation powers of SPVs & Smart city corporations functionaries in Technical & Financial aspects.
- ✓ Describe the stages in Formulation, Preparation of detailed project, Appraisal, Implementation, Execution, Monitoring & Evaluation of Projects.
- ✓ Explain the Standard bid documents, Tendering, Bid evaluation, award, agreement & Contract Management under KTPP Act & e-procurement, Public Private Partnership (PPP) model etc;
- ✓ Describe the procedures involved in Project Management of civil works.
- ✓ Describe the advancements in construction Management with best practices.
- ✓ List out the best practices of documentation through various procedures.
- ✓ List out the advantages of softwares in construction management.

**Course Methodology:**

1. Lecture/Presentation through PPTs
2. Videos
3. Hands on exercises with E-procurement
4. Demonstrations of Case Studies.
5. Interactions with resource persons
6. Group Discussions.

**Target Group:**

Engineers from Smart cities corporations of Karnataka

**Methods:**

Duration of the training programme will be 3 Days

**Training Schedule on Capacity Building training for Engineers of Smart Cities on "Procedure for Implementation of Civil Works in Smart cities" (Capsule-2) under Smart Cities Mission by MoHUA, GoI, New Delhi.**

Time	Topics / Sessions	Resource Persons
<b>Day – 1                    16.8.2018 (Thursday)</b>		
9.45 to 10.15 am	Registration	Shri Vijesh K, Course Assistant
10.15 to 10.30 am	Welcome Key Note Address and Objectives	<b>Shri Venkatesh Kadagadkai G,</b> Director, SIUD, Mysuru
10.30 to 1.45 pm	<p><b>Project Development :</b></p> <p><b>Stages in Project preparation:</b></p> <ul style="list-style-type: none"> <li>• Preparation of the priorities of civil work</li> <li>• Preparation of annual budget</li> <li>• Action plan of civil works</li> <li>• Spill over and fresh works</li> <li>• Project Planning</li> <li>• Assessment of existing sources</li> <li>• Infrastructure available</li> <li>• Recognizance survey</li> <li>• Feasibility report</li> <li>• Detailed surveying</li> <li>• Preparation of estimates &amp; DPR</li> <li>• Approval process</li> <li>• Administrative/ technical sanction</li> <li>Delegation of powers</li> <li>• Scrutiny levels</li> </ul>	<p><b>Shri K Mahesh,</b> Executive Engineer, KC Division, T. Narasipura. Ph: 9483082508 Email : maheshak83@yahoo.in</p>
<b>1.45 to 2.30 pm    Launch Break</b>		
2.30 to 5.45 pm	<p><b>KTPP act &amp; Tendering :</b></p> <ul style="list-style-type: none"> <li>• KTPP Acts and rules</li> <li>• Goods, works &amp; services</li> <li>• Standard Bid documents ( Preparation of bid documents)</li> <li>• DTS, Quotations-Aspects to be considered, delegation of powers</li> <li>• Inviting tenders</li> <li>• Bid Evaluation</li> <li>• Approval process</li> <li>• Contractual framework</li> <li>• Award of contract</li> <li>• Drawbacks and ambiguities</li> <li>• Implementation strategies</li> <li>• Solutions with case studies</li> </ul>	<p><b>Shri S. Swaminathan,</b> Executive Engineer (Retd), KERS, KRS. Mob: 94485 28627 e-mail: <a href="mailto:swaminathan7915@gmail.com">swaminathan7915@gmail.com</a></p>

**Day - 2                    17.8.2018 (Friday)**

9.30 to 1.45 pm	<b>Project Construction &amp; Management:</b> <ul style="list-style-type: none"><li>• Handing over site with layout map</li><li>• Work programme / Bar chart</li><li>• Day to day Supervision,</li><li>• quality control measures</li><li>• Measurements and billing</li><li>• Bill certification for payments</li><li>• Price adjustments</li><li>• Work completion (completion report)</li><li>• As built (working) drawings</li><li>• Revised estimates</li></ul>	<b>Shri K Mahesh,</b> Executive Engineer, KC Division, T. Narasipura Ph: 9483082508 Email : maheshak83@yahoo.in
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**1.45 to 2.30 pm Lunch Break**

2.30 to 5.45 pm	<b>E-procurement:</b> <ul style="list-style-type: none"><li>• Introduction</li><li>• Applications for Goods, Supplies &amp; Services/Civil works</li><li>• Methodology</li><li>• <b>Hands on exercises,</b></li><li>• Demonstration with case studies</li></ul>	<b>Shri Sagar P,</b> System Analyst, Centre for E-Governance, E-Procurement cell, M S Building, Bangalore. Ph:9035358481 & 9880279133 E-mail: <a href="mailto:murali.dandu@hpc.com">murali.dandu@hpc.com</a> <a href="mailto:helpdesk@intarvo.blr.in">helpdesk@intarvo.blr.in</a> <a href="mailto:eproc.training17@gmail.com">eproc.training17@gmail.com</a> <a href="mailto:eprochelp@karnataka.gov.in">eprochelp@karnataka.gov.in</a>
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6.15 to 8.45 pm	<b>Construction Management through softwares:</b> <ul style="list-style-type: none"><li>• Introduction</li><li>• Various types of Softwares</li><li>• Features &amp; capabilities of softwares like MS projects, PRIMEVERA etc;</li><li>• Advantages &amp; disadvantages of softwares</li><li>• Case studies through softwares</li></ul>	<b>Shri Sathish B N,</b> H&D Consultants, C 006, Century Indus, Rajarajeshwari Nagara, Bangalore-98. Ph: 8660085499 E-mail: <a href="mailto:satish.bn@hdassociates.co.in">satish.bn@hdassociates.co.in</a>
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**Day - 3                    18.8.2018 (Saturday)**

9.30 to 11.30 am	<b>PPP options :</b> <ul style="list-style-type: none"><li>• Introduction,</li><li>• Types of contractual obligations,</li><li>• Advantages and disadvantages,</li><li>• Statutory compliances</li><li>• Work supervision/Monitoring</li><li>• Case studies on PPP</li><li>• Types of PPP Contracts</li></ul>	<b>Shri B K Suresh Babu,</b> Superintendent Engineer, MUDA, Mysuru. Ph: 9448144611 Email: babubks1962@gmail.com
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**11.30 to 11.45 am Tea Break**

11.45 to 1.45 pm	<b>Procedure for documentation:</b> <ul style="list-style-type: none"><li>• KPWD A Code,</li><li>• Departmental code</li><li>• Measurements of works,</li></ul>	<b>Shri M.Muralidhar,</b> Accounts officer (Retd.), Bangalore. Ph.98864 67854
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	<ul style="list-style-type: none"> <li>• Preparation of bills</li> <li>• Recording Measurements,</li> <li>• Recording field books,</li> <li>• Site order books/Inspection notes,</li> <li>• Power of check measurement,</li> <li>• Schedule of Rates, Necessity and procedure,</li> <li>• Data rate, Rate analysis, Payments against variation (EIRL, work slip etc;)</li> </ul>	E-mail: <a href="mailto:mmuralidhar6@gmail.com">mmuralidhar6@gmail.com</a>
<b>1.45 to 2.30 pm Lunch Break</b>		
2.30 to 3.00 pm	<b>Sustainable Smart roads:</b> <ul style="list-style-type: none"> <li>• Features of smart roads</li> <li>• Smart rechargeable drains</li> <li>• Cycle tracks</li> <li>• Service/Cable ducts</li> <li>• Smart footpaths</li> <li>• Smart waste bins</li> <li>• Real time monitoring with Smart poles</li> </ul>	<b>Sri Ramesha H,</b> Faculty/AEE, SIUD, Mysore. Ph: 9481169733 Email: <a href="mailto:hebbale@gmail.com">hebbale@gmail.com</a>
3.00 to 5.45 pm	<b>Sustainable Smart roads:</b> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Requirements &amp; standards of various types of Roads as per IRC guide lines</li> <li>• Construction stages of various types of roads, Tender sure roads, white topping etc;</li> <li>• Retrofitting of existing roads</li> <li>• O&amp;M of roads, Pot holes repairs, Shoulders, drains etc;</li> <li>• Road safety measures &amp; Sign boards</li> <li>• Hump standards</li> <li>• Standard roads with case studies</li> </ul>	<b>Dr. Anjaneyappa,</b> Department of Civil Engineering, RV College of Engineering, Bangalore. Email: <a href="mailto:anjaneyappa@rvce.edu.in">anjaneyappa@rvce.edu.in</a> Ph: 9980847938
5.45 to 6.15 pm	Evaluation  Feedback  Valedictory	<b>Shri Venkatesh Kadagadkai G,</b> Director, SIUD, Mysuru  <b>Sri H. Ramesha,</b> Faculty/AEE, SIUD, Mysuru

Sd/-  
Course Director

