

# MASSCOTE application exercise for Malaprabha Project

## 27<sup>th</sup> November – 8<sup>th</sup> December, 2018

### AGENDA

*Preparatory steps and preliminary field visits:*

*Daniel Renault + local engineers Sunday 25<sup>th</sup> and Monday 26<sup>th</sup> November 2018*

DAY 1	Tuesday 27 <sup>th</sup> November	Speaker
10:00	Opening Ceremony - Keynote addresses by Officials	
10:45	<i>Coffee break</i>	
11:00	Introduction and Overview of Workshop Purposes	
11:30	Keynote presentation by Chief Engineer, KNNL, Malaprabha Project Zone, Dharwad	
11:45	Modernization: Concepts and Vocabulary and principles of Service Oriented Management (SOM)	
13:30	<i>Lunch</i>	
14:30	Modernization: (continued)	
15:45	<i>Coffee Break</i>	
16:00	<b>MASSCOTE:</b> Introduction to FAO tools for developing Modernization plans.	
DAY 2	Wednesday 28 <sup>th</sup> November	Lecturer
08:30	<b>IRRIGATION STRUCTURES</b>	
	- Hydraulic principles- control levels and flows	
	- Basic Structures: orifice and overflows, free flow -submerged	
10:30	Sensitivity Analysis and Performance	
14:30	<b>SYSTEM OPERATION</b>	
	Flow control Organisation: Upstream control - Downstream Control Procedures for scheduled and unscheduled operation Operation organisation: from structures to systems	
16:00	<b>WATER MANAGEMENT and SERVICES</b>	
	Network - Water Balance – Perturbations - Multiple Roles of Irrigation Systems <b>MASSCOTE:</b> Services-Demand-Partitioning	
DAY 3	Thursday 29 <sup>th</sup> November	Plenary
08:30	<b>RAP: Rapid Appraisal Procedure</b>	
10:30	Detailed Review of RAP worksheets	
14:00	<b>RAP Project Office</b> Interviews with Management Staff	
15:30	<b>RAP Site visit to Main Canal headworks, and main structures</b> and transfer to field site accommodations (all groups).	
DAY 4 and 5	Friday 30 <sup>th</sup> and Saturday 1 <sup>st</sup> December	FIELD VISIT
	6 Groups	
	<b>RAP Visit:</b> Each group to visit the <b>Main Canal</b> - Travel down the main canal stopping at all cross regulators - Interview main canal operators - Visit to Water User Associations - Interviews with WUA personnel - Interviews with operations staff and tour of control structures	
	<b>RAP Visit of secondary and sub-secondary canals</b>	
	<b>RAP Visit of tertiary canals</b>	
	<b>Saturday evening Return to workshop venue</b>	

<b>DAY 6</b>	<b>Sunday 2<sup>nd</sup> December</b>	
09:00	Each GROUP reports on the main findings of the field visit	Plenary
11:00	<b>RAP</b> Completion of the RAP worksheets, Computer entry (4 groups) of the collected data	Group
14:00	<b>Afternoon</b> Consolidation of the RAP sheets (indicators)	Plenary

<b>DAY 7</b>	<b>Monday 3<sup>rd</sup> December</b>	
08:30	<b>MASSCOTE</b> - a 10 step process: Presentation of the methodology Presentation of <b>MASSCOTE Step 2 (Capacity/Sensitivity)</b> <b>MASSCOTE Step 3 (Perturbations)</b> <b>MASSCOTE Step 4 (Water Balance)</b>	Plenary
10:30	<b>Field application efficiency:</b> techniques and assessment	
	<b>Afternoon</b> MASSCOTE investigations steps 2 and 3 in Groups Report on investigations in steps 2 and 3	

<b>DAY 8</b>	<b>Tuesday 4<sup>th</sup> December</b>	
08:30	Presentation of <b>MASSCOTE Step 5 (Cost)</b> Designation of subgroups to work on WATER and COST <b>Afternoon</b> MASSCOTE investigations steps 4 and 5 in Groups	

<b>DAY 9</b>	<b>Wednesday 5<sup>th</sup> December</b>	
08:30	Reports on STEPS 2 to 5 and field applications	Plenary
14:00	Presentation of <b>MASSCOTE STEP 6 (Vision and Services)</b>	Plenary
15:00	Working Groups on MASSCOTE STEP 6 Vision and Services	Groups

<b>DAY 10</b>	<b>Thursday 6<sup>th</sup> December</b>	
08:30	First Report on STEP 6 Vision and Services	Plenary
09:30	Second Working Group Session on MASSCOTE STEP 6 Vision and Services	Groups
11:00	Consolidation of STEP 6 Vision and Services	Plenary
14:00	Presentation of <b>MASSCOTE Steps 7 (Management Unit)</b>	Plenary
15:00	Working Group Sessions on Management Partitioning	
17:00	Reports on Step 7 Management	

<b>DAY 11</b>	<b>Friday 7<sup>th</sup> December</b>	
08:30	Presentation of <b>MASSCOTE Step 8 (Demand for Operation)</b>	Plenary
09:30	Group Session on Demand for Operation	Groups
11:30	Presentation of <b>MASSCOTE Step 9, 10 and 11: (Improvements, Integration and Planning)</b>	Plenary
14:00	Working Group Sessions on Steps 9, 10, 11.	Groups

<b>DAY 12</b>	<b>Saturday 8<sup>th</sup> December</b>	
	Consolidation of the MASSCOTE approach and preparation of the presentation. Organization of the follow up reporting activities (RAP and MASSCOTE Reports)	Groups
	<b>Afternoon</b> <b>Presentation of MASSCOTE-RAP outcomes, Official closure of the workshop</b>	Plenary