



GOVERNMENT OF KARNATAKA

No: WDD/ED/KWDP-II /Tech.comm.DL, DSS & Portal /2016-17

Office of the Commissioner
Watershed Development Department,
7th Floor, K.H.B. Complex, K. G. Road,
Bangalore-560 009
Dated: 17.01.2017

To,

1. Sri. G. Sathish, IFS, Commissioner, Department of Agriculture, Seshadri Road, Bangalore-01
2. Dr. D. S. Ravindran, IFS, Secretary (Khajane-II) and ex-officio Commissioner, Treasuries, 7th floor, Commercial Tax Office, Gandhi Nagar, Bangalore-560009
3. Sri. P.C. Ray, IFS, Commissioner, Dept. of Horticulture, Lalbagh, Bangalore - 560 004
4. Dr.P.G. Diwakar, Deputy Director, National Remote Sensing Centre, ISRO, DOS, Govt. of India, Balanagar, Hyderabad - 500 037
5. Sri. P.V. Bhat, Sr. Technical Director, 6 & 7th floor, Mini tower, Dr. B.R. Ambedkar Veedhi, National Informatics Center, Bangalore-01
6. Sri. Vivek, C-STEP, #18 & 19, 10th cross, Mayura street, Papanna Layout, Nagashettyhalli, RMV 2nd stage, Bangalore-94
7. Sri. C. Thangavel, Technical Director, National Informatics Centre, 6th & 7th Floor, Mini Tower, Dr. B.R. Ambedkar Veedhi, Bangalore - 01
8. Sri. Rajesh N.L., Asst. Professor, Lead Scientist (RS & GIS), SUJALA-III, UAS-Raichur, Raichur-584 102
9. Chief Executive Officer, Department of E-Governance, Room No. 146A, M.S. Building, Dr. B.R. Ambedkar Veedhi, Bangalore-01.

Sir,

Sub : Proceedings of the Technical Committee meeting held on 07.01.2017 of SUJALA-III project-reg.,

Ref: 1. Govt. order No. AGD/213/AML 2015 Bengaluru. Dt :14.03.2016
2. Modification order of the Govt. No. AGD/213/AML 2015 Bengaluru. Dt :06.05.2016

The proceedings of the Technical Committee meeting held on 07.01.2017 of SUJALA-III project, regarding finalization of functional requirement specification, software requirement specification and ICB for Digital Library, Geo Portal and Decision Support System of Watershed Development Department is submitted herewith for kind information and needful.

Yours faithfully,

Convener of the Technical Committee,
Project Director & Commissioner,
KWDP-II (Sujala-III) Project
Watershed Development Department
Bangalore.

P.T.O

Copy for information and needful:

1. PA to Additional Chief Secretary to Govt., Department of Horticulture, 3rd gate, 4th floor, M.S. Building, Dr. B.R. Ambedkar Veedhi, Bangalore-01.
2. PA to Secretary to Govt., Department of Agriculture, 3rd gate, 4th floor, M.S. Building, Dr. B.R. Ambedkar Veedhi, Bangalore-01.
3. Sri. B.Y. Shrinivasa, Director (I/c), Department of Agriculture, Seshadri Road, Bangalore-01
4. PA to Commissioner, Watershed Development Department, Bangalore-09
5. PA to Director, Watershed Development Department, Bangalore-09

Proceedings of the Technical Committee meeting held on 07.01.2016 at 2:00 PM for finalization of functional requirement specification, Software requirement specification and ICB for Digital Library, Geo Portal and Decision Support System for SUJALA-III project of Watershed Development Department.

Presided by: Rajiv Chawla I.A.S. Additional Chief Secretary, Department of Horticulture and Sericulture, Government of Karnataka.

Member present is placed in Annexure.

At the outset, Commissioner and Project Director Sujala-III, Watershed Development Department (WDD) welcomed the Chairman and members of the Technical Committee to the meeting and instructed the team members of WDD and ICRISAT involved in preparation of 4 DSS Modules to make preparation about different modules (Annexure-1) before the committee. Dr. Natarajan, NRM Consultant, WDD presented the DSS modules in detail with the inputs from ICRISAT team members.

The Chairperson of the committee took keen interest on each and every aspects of presentation and had detailed discussion on water balance and water recharge modules. On the issue of crop modeling and land capability classification also, committee felt the water need to be presented with accuracy including hydrology issues such as net rainfall / net recharge / available moisture.

Chairperson felt that in the development of any DSS module suitable for our situation, it is better to have a look on the existing / similar DSS modules and data center developed and in operational mode in any other country, as this will avoid the risk of repeating some of the lapses that are likely to occur in the development of DSS modules. He further expressed that by studying the existing modules we may improve upon it. He also expressed that till we understand the existing module of DSS in detail, any finalization of ICB document may not be correct.

The committee felt that we may have next sitting after a week, once the remaining the DSS modules were developed, next date was to be decided in consultation with Chairperson of the committee.

The meeting ended with vote of thanks to the chair.



Chairman of the Technical Committee
& Additional Chief Secretary
Horticulture & Sericulture
Government of Karnataka,
Bangalore

P.T.O

Annexure

Members Present:

Sl. No.	Name (Shriyuths/Shrimathi)	Designation / Department
1	Rajiv Ranjan IFS	Members Secretary of Technical Committee & Commissioner, Watershed Development Department
2	Dr. Surya Deo Pathak IFS	Executive Director & CCF, Watershed Development Department
3	Thangaval C	Technical Director, NIC, Bangalore
4	Rajesh N.L	Assistant Professor, UAS Raichur
5	Vinay B	Director, NIC, Bangalore

DSS modules developed

S.No	Decision Support System	Completed	Primary Responsibility
1	DSS for Soil & Water conservation plan-to identify the type of structures, their design and estimate, for both arable and non arable lands/areas	√	WDD, NBSS&LUP, ICRISAT
2	DSS for crop selection (Based on physical suitability and cost benefit ratio)	√	NBSS&LUP SAUs,
3	DSS for delineating prime farm lands/arable and non-arable lands based on Land Capability Classification	√	NBSS&LUP
4	DSS on crop based nutrient management and soil health	√	NBSS&LUP SAUs,

DSS modules shortlisted (planned) for development

S.No	Decision Support System planned	Remarks	Responsibility
1	a) DSS/Model for estimating surface runoff at farm/MWS/SWS and higher levels	Combined as one DSS	Dr.Sathish Kumar, UAS, Raichur & ICRISAT
	b) DSS for designing the size and location of Farm ponds based on runoff calculation or runoff model		
2	a) DSS for estimating the crop water requirement at MWS/Village/Hobli/Taluk levels/ based on the existing land use or crops that are planned to be taken up for cultivation at MWS or higher levels	The three modules can be subsumed and taken up as one module- DSS for water budgeting by taking into consideration the crop water requirement and other needs at MWS/SWS level	ICRISAT
	b) DSS for estimating water balance at MWS or higher levels, taking into account the RF, crop requirement, Runoff, evaporation and other losses, soil moisture and ground water.		ICRISAT
	c) DSS for water budgeting taking into consideration the needs of various uses/users at MWS/ Village level- crop needs, human needs, livestock needs etc.		ICRISAT
3	DSS for identifying areas/fields suitable or nor suitable for irrigation based on irrigability classification/grouping		NBSS&LUP, ICRISAT
4	DSS on Weather based crop advisories-from crop sowing to harvest stage		KSNMDC, UAS-B
5	DSS on weather based pest and disease management		UAS-R, ICRISAT

Note: The draft version of the above 6 modules are ready.

