

Proceedings of the 9th Project Technical Cell Meeting of KWDP-II (SUJALA-III) held on 19.04.2017 at Watershed Development Department, Bangalore

Presided by Sri, Rajiv Ranjan I.F.S. Chairman, Project Technical Cell and Commissioner, Watershed Development Department.

Details of Members present is placed in Annexure:

Executive Director, KWDP-II (SUJALA-III) welcomed the Chairman and the members for the Project Technical Cell meeting. The Agenda were placed before the members and the Chairperson initiated the discussions on agenda and decisions were taken as below.

Agenda No.1	Confirmation of the Proceedings of the Eighth PTC meeting held on 09.03.2017
	Proceedings of the Eighth PTC meeting held on 09.03.2017 is furnished for information. The proceedings were communicated to all the members of the PTC. No comments were received from the members and hence it may please be confirmed.
	The copy of the proceedings were circulated to all the members and no comments were received. The committee confirmed the proceedings.

Agenda No.2	Action taken on the proceedings of the Eighth PTC meeting held on 09.03.2017
--------------------	---

Sl. No.	Agenda	Action Taken
1	Physical & Financial progress of the project	The committee noted the Physical & Financial progress. The Chairman instructed to all the project partners to expedite the task as per the MoU / Contract.
2	Approval for the release of funds to the project partners.	The committee approved the release of funds to the partners.
3	Ratification of revision of monthly remuneration for the out sourced man power personnel hired under the Sujala-III project.	The committee deliberated and ratified the revision of monthly remuneration for the out sourced man power personnel hired under the Sujala-III project at WDD. The subject was placed before the 8th PEC meeting held on 03.04.2017 and obtained approval.
4	Procurement of image analysis software for WDD.	The bids are invited in the e-portal. bid opening will be on 22.04.2017
5	Retendering for the purchase of Carbon Nitrogen Analyzer and Total Organic Carbon Analyzer for the project partners.	The bids for retendering were opened on 07.04.2017. Evaluation of bids is under process.

6	<p>Soil Health Card for the farmers of project area.</p>	<p>The committee discussed and deliberated in detail about the content of the Soil Health Card for distributing to the farmers. The committee recommended for review and finalization of the same by the Department Technical Committee headed by Director, WDD. During the 8th PEC meeting, the Chairman instructed to issue the booklet only for specific data collected under the project</p>
7	<p>Implementation of model micro watersheds in Raichur & Chikkamagalur districts saturation of watersheds in Davanagere, Gadag, Yadagir, Vijayapura and Kalaburagi districts</p>	<p>The committee approved the action taken in this regard.</p>
10	<p>Any other subject with the permission of the chair</p> <p>➤ Hiring of individual consultants for production and Post-harvest activities on single source basis.</p> <p>(a) No objection for TOR and proposal of Mr. R. Prakash has been obtained from World Bank for hiring him as individual consultant for Post-harvest and marketing activities. (Annexure-1a, 1b, 1c).</p> <p>(b) No objection for TOR and proposal of Dr. J. Venkatesh has been obtained from World Bank for hiring him as individual consultant for Production activities under Horticulture component. (Annexure-2a, 2b, 2c)</p>	<p>The committee noted the information and the matter is under consideration.</p>
	<p>➤ Hiring individual consultant for documentation of project activities by CQS method.</p> <p>No objection for TOR for hiring consultant for documentation of project activities has been obtained from World Bank under Horticulture component. (Documents enclosed as Annexure-3a, 3b). EOI has been called for getting proposals from individual consultants as per CQS method.</p>	<p>The committee noted the information and the matter is under consideration.</p>

<p>➤ Hiring technical agency for providing services for incubation support, close monitoring and business plan development on single source basis.</p> <p>No objection for TOR and proposal of the technical agency IFHD under Horticulture component has been obtained from World Bank for hiring the agency for providing incubation services for FPOs. (Documents enclosed as Annexure-4a, 4b, 4c). PPMU committee has approved the IFHD agency as incubation service provider.</p>	<p>The committee noted the information and the matter is under consideration.</p>
<p>The copy of the action taken report for the 8th PTC meeting proceedings were circulated to all the members and deliberated in detail. The committee noted the action taken on decisions of the meeting and approved the proposals submitted by Dept. of Horticulture in the previous meeting for hiring Consultants and technical agency under the project as they are already working under the project.</p>	

<p>Agenda No.3</p>	<p>Physical & Financial progress of the project</p>										
<p>Physical Progress: (up to 31.03.2017)</p>											
<p>LRI Studies</p>											
<p>SI. No.</p>	<p>Particulars</p>		<p>NBSS& LUP</p>	<p>UAS B</p>	<p>UAS D</p>	<p>UAS R</p>	<p>UHS B</p>	<p>UAHS S</p>	<p>Total</p>	<p>Progress (%)</p>	
<p>1</p>	<p>No. of micro watershed s - LRI completed</p>	<p>Target</p>	<p>117</p>	<p>213</p>	<p>162</p>	<p>133</p>	<p>31</p>	<p>42</p>	<p>698</p>		
		<p>Achiv</p>	<p>Upto 28.02.17</p>	<p>125</p>	<p>135</p>	<p>127</p>	<p>125</p>	<p>52</p>	<p>31</p>	<p>595</p>	<p>85.24</p>
			<p>Upto 31.03.17</p>	<p>129</p>	<p>138</p>	<p>127</p>	<p>125</p>	<p>62</p>	<p>31</p>	<p>612</p>	<p>87.68</p>
<p>2</p>	<p>No. of atlases submitted</p>	<p>Target</p>	<p>117</p>	<p>213</p>	<p>162</p>	<p>133</p>	<p>31</p>	<p>42</p>	<p>698</p>		
		<p>Achiv</p>	<p>Upto 28.02.17</p>	<p>99</p>	<p>111</p>	<p>49</p>	<p>35</p>	<p>13</p>	<p>9</p>	<p>316</p>	<p>45.27</p>
			<p>Upto 31.03.17</p>	<p>126</p>	<p>119</p>	<p>49</p>	<p>35</p>	<p>13</p>	<p>31</p>	<p>373</p>	<p>53.44</p>
<p>Hydrological Studies:</p>											
<p>SI. No.</p>	<p>Activities</p>		<p>UAS B</p>	<p>UAS D</p>	<p>UAS R</p>	<p>UHS B</p>	<p>UAHS S</p>	<p>Total</p>			
<p>1</p>	<p>No. of well yield monitored</p>		<p>1873</p>	<p>814</p>	<p>3081</p>	<p>26</p>	<p>300</p>	<p>6094</p>			
<p>2</p>	<p>No of Gravimetric/Theta probe soil moisture analyzed</p>		<p>1730</p>	<p>852</p>	<p>1351</p>	<p>644</p>	<p>1003</p>	<p>5580</p>			
<p>3</p>	<p>No. of water samples analyzed</p>		<p>3700</p>	<p>606</p>	<p>145</p>	<p>123</p>	<p>305</p>	<p>4879</p>			
<p>4</p>	<p>No. of wells monitored for ground water fluctuation</p>		<p>1782</p>	<p>2287</p>	<p>1729</p>	<p>622</p>	<p>2250</p>	<p>8670</p>			
<p>5</p>	<p>Report submitted</p>		<p>1</p>	<p>1</p>	<p>1</p>	<p>0</p>	<p>2</p>	<p>5</p>			

Socio-economic studies:

Activities		NBSS&LUP	UAS B	UAS D	UAS R	UHS B	UAHS S	Total
No. of Farmers Surveyed	Target	5265	9585	7290	5985	1395	1890	31410
	Achiv.	410	6962	3741	2872	5985	1327	21297
No. of Micro Watershed covered	Target	117	213	162	133	31	42	581
	Achiv.	0	67	114	74	48	31	334
No. of Reports Generated	Target	117	213	162	133	31	42	581
	Achiv.	0	18	64	30	25	8	145

Progress in LRI Expansion: (as on 28.02.2017)

Sl. No.	Particulars		NBSS&LUP	UAS B	UAS D	UAS R	UHS B	UAHS S	Total
1	No. of micro watersheds - LRI completed	Target	183	158	238	227	269	158	1233
		Achiv.	31	0	0	48	25	0	104
2	Area Covered (in lakh ha)	Target	0.915	0.79	1.19	1.13	1.34	0.79	6.165
		Achiv.	0.145	0	0.481	0.628	0.250	0.030	1.534

Financial progress

Statement Showing the Budget Provision & Expenditure						
(Rs. Lakhs)						
Sl. No	Year	Budget	Expenditure (as per treasury 62-B up to 31.03.2017)	IUFR Submitted (upto Feb, 2017)	Reimbursement Claimed (upto Feb, 2017)	Reimbursement Received from W.B (upto Feb, 2017)
1	2016-17	5630.00	5557.06	3053.37	2028.17	2028.17
Project total (WDD+ DoH)		21141.0	16383.17	11469.66	7700.67	7700.66

Budget allocation for the year 2017-18 is WDD Rs.78.00 cr + DoH Rs. 22.00 cr = 100.00 cr.

The committee reviewed the physical and financial progress of the project in detail. The observations and decisions of the Committee were listed below.

- The committee observed the poor progress in the generation of atlases by UAS Dharwad, UAS Raichur & UHS Bagalkot compared to other LRI partners. The project scientist from UAS Dharwad informed that the institute has already generated 127 atlases and uploaded in the University website and the same will be submitted to WDD and the scientist from UAS Raichur informed that by June-2017 all the atlases will be submitted. Hence, the committee directed to inform UHS Bagalkot to speed up the atlas generation and submit the same to WDD.
- To fix the targets for Hydrological activities undertaken by the partner institutes.
- To revise the targets of Socio Economic data as the data to be collected 100% in the saturation areas

- The partner institutions should take up the LRI activity including expansion as per the area allotted in this regard. If the targeted area exceeds, it has to be informed to WDD to take further course of action.
- To speed up the process of IUFR submission to Dept. of Economic Affairs (DEA), Govt. of India. In this regard, all the partner institutes should submit IUFR by 10th of every month and the consolidated report should be submitted to DEA by 15th of every month.

Agenda No.4	Release of funds to the project partners.		
	Details of Funds released to the partner institutions (as on March, 2017)		
	(Rs in lakhs)		
	Sl. No	Institution	MoU / Contract Amount
	1	NBSS & LUP Bangalore (MOU)	1674.39
	2	UAS Dharwad (MOU)	1807.89
	3	UAS Raichur (MOU)	2406.63
	4	UAS Bangalore (MOU)	1736.21
	5	UHS Bagalkot (MOU)	885.5
	6	KSR SAC Bangalore (MOU)	2119.96
	7	KVAFSU (MOU)	936.48
	8	KSNDMC Bangalore (MOU)	154.25
	9	Bangalore University (MOU)	118.66
	10	UASH Shimogga (MOU)	756.69
	11	IIS&WC Bellary (MOU)	188.14
	12	UAS Bangalore (REC)-1 (Ragi) (MOU)	59.48
	13	UAS Bangalore (REC)-2 (IDM) (MOU)	24.50
	14	UAS Raichur (REC-1) (MOU)	28.00
	15	IISC (CONTRACT)	485.17
	16	ICRIST-1 (Combined CONTRACT)	598.78
	17	ICRIST -2 Pigeonpea (CONTRACT)	99.66
	18	ICRIST-3 Chickpea (CONTRACT)	153.03
	19	ICRIST-4 Groundnut (CONTRACT)	188.69
	20	ICRIST-5 Sorghum (CONTRACT)	170.03
	Grand Total		14592.14
	8934.85		
	The committee noted the information.		

Agenda No.5	<i>Professional charges for preparing quarterly newsletter for WDD</i>
	Earlier, a Documentation Specialist was working under the project with a monthly remuneration of Rs. 55,000/- to bring out the quarterly newsletter, has ended his service from 31.01.2017. Hence, it is proposed to hire an external consultant on part time basis to edit and prepare printable form 8 pages quarterly newsletter of the Department. For each issue an amount of Rs.25,000/- to be paid as professional charges to the consultant.
	The committee deliberated and approved the proposal.

Agenda No.6	<i>Revised Project Implementation Plan (PIP) and Project Cost Table.</i>
	The project implementation plan is revised based on decisions finalised during the MTR mission Nov 2016 and sent to World Bank on 12.04.2017 for their inputs. The draft revised cost table based on MTR mission Nov 2016 is sent to world Bank on 10.04.2017 for final Revised cost table. Reply for both revised PIP and cost table is awaited from the World Bank.
	The committee noted the subject.

Agenda No: 7	<i>Hiring Documentation and IGA Specialist under Sujala-3 Project</i>
	It is proposed to hire one Documentation and IGA specialist on single source basis as per World Bank procurement norms under the project and Term of Reference has been sent to World Bank and obtained concurrence on 24.03.2017. In this regard, the proposal of Mr. M. Prakash Kumar, who is well versed in documentation and IGA activities has been sent to World Bank and the Bank has given concurrence on 31.03.2017. Further, the post was included in the revised manpower personnel requirement of the project, which was approved by the 8 th PEC meeting held on 03.04.2017. Hence, the appointment order has been issued on 04.04.2017 to him.
	The committee deliberated and ratified.

Agenda No: 8	Ratification of goods, works and consultancy activities procured by the partner agencies.							
<p>The partner agencies have procured some of the items without getting approval in the procurement plan. Partner agencies wise quantity and its total cost is mentioned below.</p>								
		Goods		Works		Consultancy		
Sl. No	Name of the Partner Agencies	Quantity	Amount	Quantity	Amount	Quantity	Amount	
1	NBSS & LUP	145	30.52					
2	UAS - Bangalore	20	82.43	15	19.61	3	24.40	
3	UAS-Dharwad	84	57.78					
4	UAS-Raichur	152	102.76					
5	UHS-Bagalkot	118	83.70					
6	UAHS-Shivamogga	19	90.62					
7	KVAFSU	186	38.21	9	70.76			
8	KASRSAC	28	170.58					
9	IIS&WC	35	22.74					
Total		787	679.34	24	90.37	3	24.40	
<p>The committee discussed in detail and decided as below.</p> <p>As per the list, the concerned partner agencies to submit the details of items procured under institutional charges and other heads separately along with necessary justification. Afterwards, the details of items procured by using the funds other than institutional charges has to be sent to World Bank for ratification.</p>								

Agenda No:9	Approval of ICB and FRS documents by the technical committee and Formation of Internal Technical Advisory Committee for establishment of DL,DSS & LRI Portal under Sujala-3 project							
<p>The project constitutes the development of Digital Library (DL), Decision Support System (DSS) and Geo-portal for the use of the Watershed Development Department and other line departments. The development of the portal is to be entrusted to an internationally competent firm through ICB as per the World Bank norms. In this background, the Technical Committee headed by Secretary, Dept. of Horticulture, GoK constituted by State Government for vetting the ICB document, Functional Requirement Specification (FRS) for the feasibility and utility has approved the ICB and FRS documents during the meeting held on 05.04.2017. The World Bank has given concurrence for the approved documents. The legal vetting of the document is due from ICRISAT. The ICB tender will be invited after legal vetting.</p> <p>The World Bank MTR mission, November, 2016 as well as the technical committee have recommended to constitute an internal technical advisory committee with highly qualified domain experts to provide technical guidance to undertake scrutiny of the project progress.</p>								

	In this regard, the letters have been addressed to National Informatics Centre (NIC), e-governance department, Karnataka State Remote Sensing Application Centre (KSRSAC) and Indian Institute of Information Technology (IIIT), Bangalore to nominate a suitable expert/specialist for the committee and reply is awaited.
	The committee noted the information.

Agenda No:10	<i>Installation of Air Conditioner Equipment in the chambers of the Executive Director, Sujala-3</i>
	One 2.0 ton Air conditioner equipment has been procured through National Shopping Procedure as per world bank norms at a cost of rs.75093/- and installed in the chambers of the Executive Director, Sujala-3 and the same has to be included in the project procurement plan.
	The committee ratified the subject.

Agenda No: 11	<i>Progress of Agreed Action points of Midterm Review World Bank Aide Memoire, November-2016</i>
	Action Taken on the Agreed Action Points of World Bank Midterm Review Mission, Aide Memoire, November-2016.
	The committee deliberated in detail and noted the progress of action taken on the Agreed Action Points.

Agenda No: 12	<i>World Bank Implementation Mission Visit from 8 - 17th May, 2017</i>
	The World Bank Implementation Support Mission will be visiting the State from 8 - 17th May, 2017 to review the project progress.
	The committee discussed in detail and noted the schedule of World Bank mission visit. The Chairperson suggested to present unique studies, success stories of the project before the mission.

Agenda No: 13	<i>Procurement of telemetric weather stations for LRI expansion area</i>
	Earlier based on the requirement, KSNDMC has installed telemetric weather stations in 698 MWS for providing weather data. In the same way it is proposed to install the weather stations in 1233 MWS, where LRI expansion is going on. The proposal is under preparation by KSNDMC.
	The committee deliberated and directed KSRSAC to give details of the 1233 MWS selected for expansion to KSNDMC for assessing the requirement of the weather stations.

Agenda No: 14	<i>Final report of study on assessment of post-harvest infrastructure & Market linkage requirement including a baseline survey.</i>
	<ul style="list-style-type: none"> • NABCONS have conducted baseline survey studies on assessment of post-harvest infrastructure & Market linkage requirement in particular, gap assessment as well as planning to fill up the gap for the major horticultural crops in 7 project districts (Bidar, Chamarajanagar, Davanagere, Kalburgi, Koppal, Tumkur & Vijayapur). • The NABCONS study have recommended the number and types & post-harvest infrastructures required in these districts keeping in view the predominant crops. • Has made available the designs, drawings & specifications of recommended post-harvest and marketing infrastructures in above 7 districts. <p>The recommendations of the study has helped for planning the activities in the project with respect to PHM and Marketing Components and FPO services.</p>
	The committee deliberated and noted the subject and informed the Project Coordinator, Dept. of Horticulture to present the subject before the upcoming World Bank mission

Agenda No: 15	<i>General Technical specification of certain Post-harvest Marketing & Custom Hiring Center facilities under the project.</i>
	<ul style="list-style-type: none"> • Technical specifications for Collection Center/Aggregation Center, Community pack house, Mobile service platform & App for sharing of CHC and other facilities, Solar Dehydration (Dehydration chamber), Water tanker with trailer, Fruit ripening unit, Silpaulin sheets for drying are prepared. <p>The above are indicative specifications. However the capacity and requirement will be based on the need for the particular crops in the region and the FPO demand.</p>
	The committee deliberated in detail and recommended to proceed if approved and unique ID has been generated in the STEP, the World Bank procurement software.

Agenda No: 16	<i>Operational Guidelines for Implementation of Post-harvest Management & Marketing related components.</i>
	<ul style="list-style-type: none"> • The Guidelines for the post-harvest related activities are prepared considering the baseline study recommendation of PHM & Marketing infrastructure by NABCONS. • As per the NABCONS study, the requirement of the entire district is very high and cannot be considered in view of budget limitations in the project. • The infrastructures proposed are need based and dependent on the crops of the

	<p>region, Infrastructure availability and gap, willingness of FPO and viability as per Business plan.</p> <ul style="list-style-type: none"> • The PHM activities proposed are primarily for the FPO area in the project. However these facilities will be available to other farmers also for usage. • Methodology of operation after establishment of infrastructure has been included. • General list of infrastructures and services, list of market support and value addition activities are included. <p>The Guidelines has been approved by the Commissioner of Horticulture</p>
	<p>The committee deliberated in detail about the operational guidelines and recommended to first get approval in Department Technical Committee and then send it to the World Bank for approval.</p>

Agenda No: 17	<i>Adoption of Interventions for demonstrations as per LRI (Perennials) under SUJALA-III (Horticulture)</i>
	As per LRI studies, atlases and crop suitability maps provided by University partners in the selected SWS/MWS the new interventions to be adopted for S1, S2 crops is technically discussed and decided with consultant (Crop production and other officials in the department).
	The committee recommended to take the approval of the Departmental Technical Committee of the DoH and then to place before the PTC.

Agenda No: 18	<i>List of documents to be published for SUJALA-III Horticulture activities.</i>
	During 2017-18 the budget of Rs. 30.00 lakhs is earmarked for publishing the technical bulletins, leaf lets, videography, and to document case studies and success stories with innovative technical know-how. Brief note on list of documents prepared by consultant to be published.
	The committee noted the information and informed to submit the copies of the publications to WDD.

**Agenda
No:19**

Action plan of the project for 2017-18

Budget allocation of the project for the year 2017-18 is Rs. 100.00 crore (WDD Rs.78.00 cr + DoH Rs. 22.00 cr). The action plan of the project for 2017-18 is given below.

Annual Action Plan of KWDP-II (Sujala-3) for 2017-18

Sl. No.	Component-wise activities	Unit	Physical	Financial (Rs in Lakhs)
Comp. A: Improved programme integration in rainfed areas				
1	Land Resource Inventory Expansion in MWS	MWS	1233	1150.00
2	Technical M&E	Partner Institutes	12	40.00
3	Digital Library, Decision support system & LRI Portal			1400.00
4	Procurement of CHNS (5 units) & TOC analyzer(1 unit)	No.	6	250.00
5	KRSAC			50.00
A. Sub total				2890.00
Comp. B: Research, Development				
1	Hydrological Studies	MWS	14	60.00
2	Saturation of Watersheds (Rs.400.00 lakhs each for 9 dist- Bidar, Kalaburagi, Vijayapur, Yadgir, Koppal, Gadag, Davanagere, Tumkur & Chamarajnagar for SWS demo. & Rs.100.00 lakhs each for 2 MWS demo. in 2 dist-Raichur & Chikkamagalur	Ha		3800.00
3	Livestock activities	Districts	7	80.00
4	Productivity enhancement demonstrations	Ha	450	45.00
5	Installation of Digital Display units	SWS	11	80.00
6	Installation of Automatic weather stations	MWS	1233	250.00
7	Research Projects	Projects	7	200.00
B. Sub total				4515.00
Comp. C: Institutional strengthening				
1	Exposure visits (Officers)	Batch	15	80.00
2	Exposure visits (Farmers)	Districts	11	25.00
3	Trainings	Person training days	25186	75.00
C. Sub total				180.00

Comp. D: Horticulture				
1	Extension and Demos for Productivity Improvement	No. Ha	376 1348	1194.76
2	Farmer Horticulture Soil and Crop Monitoring	No.	1	88.52
3	Model Nursery	No.		-
4	Horticulture Post Harvest Management and Value Chain	No.	18	335.11
5	Strengthening Market Linkages to Horticulture Farmers	No.	4	175.86
6	Horticulture Services Support	No.		405.75
	D.Sub total		23	2200.00
Comp. E: Project Management & Coordination				
1	Office maintenance (salary and other expenses)	Months	12	90.00
2	Purchase of office equipments			50.00
3	Participatory M&E	SWS	11	75.00
	E. Sub total			215.00
	Total =A+B+C+D+E			10000.00
The committee discussed in detail and approved the action plan of the project for 2017-18.				



Chairman PTC, Project Director
KWDP-II (Sujala-3) &
Commissioner
Watershed Development Department
Bengaluru.

Annexure

The meeting was presided by Sri. Rajeev Ranjan IFS, Project Director & Commissioner, WDD.

Members Present:

Sl. No.	Name (Sri/Smt/Dr.)	Designation / Department
MEMBERS		
1	Surya Deo Pathak IFS	Executive Director, SUJALA-III, WDD and Member Secretary, PTC.
2	Rajendra Hegde	Regional Head, NBSS & LUP, Bangalore
3	P.L. Patil	Professor, Dept. of Soil Science, UAS Dharwad
4	K. Krishnappa	Co-coordinator, ICRISAT
5	U.Satish Kumar	Professor & Lead Scientist, UAS Raichur
6	B.P. Lakshmikanth	Scientist, KSRSAC, Bangalore
7	Nanda S.	Joint Director of Horticulture, Bangalore
8	Shivakumara Naiak	Project Scientist, KSNDMC
OTHERS		
9	Mahantesh Hanji	Assistant Director of Horticulture, WDD
10	V.N. Rajan	Administrative Assistant, WDD
11	Vijaya H.K	Agriculture Officer, WDD
12	R. Prakash	Consultant, PHM, Sujala-3, DoH
13	C.S. Ravikumar	Accountant, FMTSC, Sujala-3

