

*ICAR's Agri- Consortia Ad-hoc research project
entitled "IoT Enabled Sensor Based Smart Irrigation
Management System"*

Implementation for the period 2021-22 to 2025-26...



MAHATMA PHULE KRISHI VIDYAPEETH
RAHURI, DISTRICT : AHMEDNAGAR
(MAHARASHTRA)

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Univ. Reso. No.MTG- 3 (712) /160/ of 2022

Date:16/3/2022

- Read :-**
1. Proposal approval letter no. NRM-6(3)/2021-SW& DF, dated 05/10/2021 received from Dr. Adlul Islam, Assistant Director General (SWM)-Acting, Indian Council of Agricultural Research Natural Resources Management Division, Pusa, New Delhi,
 2. Approval of Project proposal by ICAR-IIWM, Bhubaneswar vide e-mail dated 16/10/2021,
 3. Office order F. No. IIWM/CRPW/2021/200(5), dated 28.10.2021 received from the Administrative Officer, ICAR-Indian Institute of Water Management, Bhubaneswar,
 4. Resolution. No. 8/E.C.M. 333 (26.11.2021) approved by the Executive Council, in its 333rd meeting held on 26/11/2021,
 5. Proposal received vide no. 213, dated 20/12/2021 from the Principal Investigator, IoT Enabled Sensor Based Smart Irrigation Management System, Professor of SWCE & Co-PI of CAAST-CSAWM, MPKV, Rahuri,
 6. Note dated 14/03/2022 approved by Hon'ble Vice Chancellor, MPKV, Rahuri.

The ICAR-Indian Council of Agricultural Research Natural Resources Management Division and ICAR-IIWM has sanctioned the Agri Consortia Ad-hoc research project entitled "*IoT Enabled Sensor Based Smart Irrigation Management System*" under the Mahatma Phule Krishi Vidyapeeth, Rahuri at Centre for Advanced Agricultural Science and Technology (CAAST) on Climate Smart Agriculture and Water Management (CSAWM) for the period of 2021-22 to 2025-26as per the letter referred at Sr. No. 01& 02.

RESOLUTION :

On approval accorded by ICAR-Indian Council of Agricultural Research Natural Resources Management Divisionand ICAR-IIWM referred at Sr. No. 1& 2 and resolution passed by the Executive Councilreferred at Sr. No. 4 above, the Hon. Vice Chancellor, MPKV, Rahuri is pleased to accord sanction for the implementation of Ad-hoc research project entitled "*IoT Enabled Sensor Based Smart Irrigation Management System*" under Mahatma Phule Krishi Vidyapeeth, Rahuri at Centre for Advanced Agricultural Science and Technology



(CAAST) on Climate Smart Agriculture and Water Management (CSAWM), Central Campus, for a period of 2021-22 to 2025-26, at a total cost of Rs. 86.80 lakhs (Rupees eighty six lakhs eighty thousand only) on 100% funding basis and as amended by the funding agency from time to time.

The terms and conditions prescribed by funding agency will be followed scrupulously. The head wise allocation of funds is shown in *Annexure-A*.

Hon. Vice-chancellor is further pleased to accord permission for filling up post of Senior Research Fellow (SRF) and Computer Operator on fixed remuneration, purely on temporary basis (*Annexure-B*) by following due procedure. This University will have no liability whatsoever towards the temporary posts engaged in this project.

Dr. M. G. Shinde, Professor of SWCE and Co-Principal Investigator, CAAST-CSAWM, MPKV, Rahuri shall act as a Principal Investigator for this project. Dr. S. A. Kadam, Assistant Professor (IDE), CAAST-CSAWM, MPKV, Rahuri and Dr. P. G. Popale, Scientist (IDE), AICRP on Irrigation Water Management, MPKV, Rahuri shall act as Co-Principal Investigators of this project. Dr. S. D. Gorantiwar, Head, Department of Agricultural Engineering, MPKV, Rahuri is the Principal Investigator of this ICAR Agri-Consortia Research Project involving five partners. Technical and Administrative control shall rest with the Head, Department of Agricultural Engineering, MPKV, Rahuri. The Drawing and Disbursing officer of CAAST-CSAWM, MPKV, Rahuri shall be the Drawing and Disbursing Officer for this Ad- hoc project. The overall control of the project shall rest with the Director of Research, MPKV, Rahuri.

The outcome of the execution shall be evaluated at the Directorate level and the evaluation report shall be submitted along with the annual AUCs.

This Resolution is issued in concurrence of the Comptroller vide his un-official reference No. Cr- 1674 -VC, dated - 18/2/2022.

Sd/-
Registrar

F.W.Cs. for information and necessary action to -

- 1) The Director (Research), MCAER.132/B. Bhamburda, Bhosalenagar, Pune 411 007,
- 2) The Director of Extn. Education/ Research/Instruction, MPKV, Rahuri,
- 3) The Dean, Faculty of Agriculture, MPKV, Rahuri,
- 4) The Assistant Director General (SWM)-Acting, ICAR-Natural Resources Management Division, Krishi Anusandhan Bhawan, Pusa, New Delhi-110 012,
- 5) The Associate Dean (All), MPKV, Rahuri,
- 6) The Associate Director of research, MPKV, Rahuri,
- 7) The Head Department (All), MPKV, Rahuri,
- 8) The Chief Scientist, AICRP on Irrigation Water Management, MPKV, Rahuri,



- 9) The Comptroller, MPKV, Rahuri,
- 10) The Planning Officer, MPKV, Rahuri,
- 11) The Deputy Registrar (Admn./ACD), MPKV, Rahuri,
- 12) The Asstt. Comptroller (II/III/IV)/PAO, MPKV, Rahuri,
- 13) The PA to Hon. Vice Chancellor, MPKV, Rahuri.

(Vijay T. Patil)

Deputy Registrar (Admn.)



ICAR's Agri.- Consortia Ad-hoc research project entitled "IoT Enabled Sensor Based Smart Irrigation Management System" at MPKV, Rahuri

Annexure-A

Head wise allocation of funds for the period of five years (2021-2026)
(Subjected to modification from ICAR from time to time)

Sr. No.	Head	Year wise total budget outlay					Total
		I Year	II Year	III Year	IV Year	V Year	
A) Human Resources							
1)	02Senior research fellow 31,000 + HRA (first 2 years) 35,000 + HRA (subsequent years)	4.09	8.19	8.19	8.19	8.19	36.85
2)	Computer Operator1 (@Rs.15000/- p m.)	0.9	1.80	1.80	1.80	1.80	8.10
B) Recurring Contingencies *		4.10	6.41	7.55	4.57	1.50	24.13
(i) Consumable							
(ii) Travelling Allowances		1.00	1.00	1.00	1.00	1.00	5.00
(iii) Other miscellaneous		0.50	0.50	0.50	0.50	0.00	2.00
C) Non-Recurring Contingencies (Computers with peripherals and instruments, AWS (1), Android TV (1))		2.00	0.00	0.00	0.83	0.00	2.83
Total		12.59	17.90	19.04	16.89	12.49	78.91
D) Institutional Charges		1.26	1.79	1.90	1.69	1.25	7.89
Grand Total		13.85	19.69	20.94	18.58	13.74	86.80

Annexure-B

Provision of contractual manpower (subjected to modification from ICAR from time to time)

Designation of post	No. of post	Scale of pay	Qualification prescribed
Senior Research Fellow	1	31,000/- + HRA (First 2 years) 35,000/- + HRA (subsequent years)	M. Tech./M.E in Irrigation and Drainage Engineering/ Irrigation Water Management Engineering/ Soil and Water Conservation Engineering (with minimum Two years' Experience)
Senior Research Fellow	1	31,000/- + HRA (First 2 years) 35,000/- + HRA (subsequent years)	M. Tech./M.E in Electronics and Telecommunication Engineering / Computer science and engineering/IT (with Two years' Experience)
Computer Operator -I	1	15,000/-	Graduation in Computer Science/Applications


(Vijay T. Patil)
Deputy Registrar (Admn.)

