

“Development and Establishment of Advanced Natural Resource Management Laboratory for Innovative Solutions on Climate Resilient Agriculture and Laboratory for Analysis of Soil, Water and Plant along-with Innovative Unit for production of micronutrient” sanctioned by DPDC, Nashik at Chhatrapati Shivaji Maharaj Krishi Vidnyan Sankul, Kashti, Malegaon, Kashti, Malegaon.

Implementation of the period From-2025-26



**MAHATMA PHULE KRISHI VIDYAPEETH
RAHURI, DIST. AHILYANAGAR (MAHARASHTRA)**

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Univ. Reso. No. MTG-3(758)/283/of 2026

Date-09/03/2026

- Read :-
- 1) Letter No. मा. जिल्हाधिकारी, नाशिक यांचे प्रशासकीय मान्यता आदेश पत्र जा.क्र. जिनिस्/०/२०२५/SEP/AAO/०३५६९, दिनांक-२४.०९.२०२५.
 - 2) Letter No. जिल्हाधिकारी तथा सदस्य सचिव, नाशिक यांचे निधी वितरण आदेश क्र. जा.क्र. जिनिस्/०/२०२५/DEC/FRO/०७६६५, दिनांक१२.१२.२०२५.
 - 3) Letter No. जिल्हा अधिक्षक कृषि अधिकारी, नाशिक यांचे निधी वितरण आदेश क्र. जा.क्र./जिअकृअ/तंत्र/विस्तार/नि.वि./६४७१/२०२५, दिनांक ३०.१२.२०२५.
 - 4) Executive Council Reso. No. 10/346, dated: 17.02.2026
 - 5) Proposal Submitted vide letter No.AD/COA/Approval Note/251/2026 dated 25.02.2026 from Project PI & Associate Dean, College of Agril. Engi. & Tech. & College of Agriculture Kashti, Malegaon, Dist. Nashik.

Chhatrapati Shivaji Maharaj Krishi Vidnyan Sankul, was established 2020 at Kashti, Malegaon under the Mahatma Phule Krishi Vidyapeeth, Rahuri. Under this campus 5 Under Graduate colleges and one Polytechnic is imparting the education to the students. Various advanced laboratories are essential for advanced technical knowledge to the students. So the project titled “Development and Establishment of Advanced Natural Resource Management Laboratory for Innovative Solutions on Climate Resilient Agriculture and Laboratory for Analysis of Soil, Water and Plant along with Innovative Unit for Production of Micronutrient” was sanctioned by District Planning and Development Council at Chhatrapati Shivaji Maharaj Krishi Vidnyan Sankul, Kashti, Malegaon vide Ref. No. 1, and is being implemented by the same institution.

Accordingly, the proposal for implementation of project at Chhatrapati Shivaji Maharaj Krishi Vidnyan Sankul, Kashti, Malegaon, was placed before the Hon. Executive Council, MPKV, Rahuri, in its 346th Executive Council meeting held on 17/02/2026 for approval. The proposal was subsequently approved vide Ref. No.4 by the Hon. Executive Council, MPKV, Rahuri.

R. Mahil

RESOLUTION:

On approval accorded by the District Planning and Development Council Nashik vide letter under reference at Sr. No.1 Letter No. मा. जिल्हाधिकारी, नाशिक यांचे प्रशासकीय मान्यता आदेश पत्र जा.क्र. जिनिस्/०/२०२५/SEP/AAO/०३५६९, दिनांक २४.०९.२०२५ and resolution of Hon. Executive Council, Hon. Vice-Chancellor is pleased to accord sanction for implementation of project entitled "Development and Establishment of Advanced Natural Resource Management Laboratory for Innovative Solutions on Climate Resilient Agriculture and Laboratory for Analysis of Soil, Water and Plant along-with Innovative Unit for production of micronutrient" under Mahatma Phule Krishi Vidyapeeth, Rahuri at Chhatrapati Shivaji Maharaj Krishi Vidnyan Sankul, Kashti, Malegaon, Dist. Nashik for a period of Five years at a total cost not exceeding **Rs.172.30 Lakh (One Seventy Two Lakhs and Thirty Thousand Rupees Only)**. The terms and conditions prescribed by funding agency are followed scrupulously. The head wise allocation of funds is shown in Annexure-I.

Dr. S. B. Nandgude, Head/Associate Dean, College of Agricultural Engineering and Technology and College of Agriculture, Kashti, Malegaon shall act as **Principal Investigator** of this project. **Dr S. D. Patil**, Assistant Nodal Officer, College of Agriculture, Kashti, Malegaon, Dist. Nashik, **Dr. Y. J. Patil**, Associate Professor (Soil Science), College of Agriculture, Kashti, Malegaon, **Dr. P. N. Sonawane**, Assistant Professor of Horticulture, College of Horticulture, Kashti, Malegaon shall act as **Co-Principal Investigators** of this project. Dr. P. R. Patil, Assistant Professor (Soil and Water Conservation Engineering), Dr. S. S. Gadakh, Assistant Professor (Agril. Botany), Dr. P.B. Tapkeer, Assistant Professor (Soil Science), Prof. S. B. Deore, Assistant Professor (Soil and Water Conservation Engineering), Dr. J. K. Khurdal (Farm Machinery and Power Engineering), Prof. V. B. Yadav, Assistant Professor (Post Harvest Management), Dr. P. H. Sonawane, Assistant Professor (Soil Science), Dr. J. B. Kadu, Assistant Professor (Soil Science), CSMKVS, Kashti, Malegaon shall act as **Associated Contractual Teaching Staff** to this project. The technical control shall rest with Associate Dean, College of Agricultural Engineering & Technology and College of Agriculture, Kashti, Malegaon, Dist. Nashik. The administrative and financial control of the project shall rest with **Dr. S. B. Nandgude**, Head, CSMKVS, Kashti, Malegaon, Dist. Nashik. **Shri. N. V. Pathak**, Asstt. Registrar, College of Agricultural Engineering & Technology and College of Agriculture, Kashti, Malegaon, Dist. Nashik shall be Drawing & Disbursing officer. The overall control of the project shall rest with Dean (F/A) and Director of Instructions, MPKV, Rahuri.

The outcome of the execution shall be evaluated at the Head of the CSMKVS, Kashti, Malegaon level and the final report shall be submitted along with annual AUCs to the funding agency.

This resolution is issued in concurrence of the Comptroller vide his un-official reference No. Cr.2126 VC, dated: 09/03/2026.


Rajendrakumar Patil
Registrar

F.W.cs. For information and necessary action to:-

1) The Collector, Nashik District & District Planning & Development Council, Nashik.

- 2) The PA to Hon'ble Mining Cabinet Minister & Former Agriculture Minister of Maharashtra state and Hon'ble Guardian Minister of Nashik district.
- 3) The Member-Secretary, MCAER, 132/B Bhamburda, Bhosalenagar, Pune-7
- 4) The Director of Research/Instruction /Extn. Education, MPKV Rahuri
- 5) The Dean, Faculty of Agriculture, MPKV Rahuri
- 6) The Associate Dean (All)
- 7) The Head/In-charge, KVS, Kashti, Malegaon
- 8) The Associate Director of Research, NARP (All),
- 9) The Heads of Departments (All)
- 10) The Comptroller/The planning Officer, MPKV Rahuri,
- 11) The Deputy Registrar (Admn.), MPKV Rahuri
- 12) The Astd. Comptroller (II,III,IV) PAO,MPKV, Rahuri
- 13) The PA to Hon. Vice-Chancellor, MPKV Rahuri

Annexure-I

Non-Recurring Expenditure (Rs. 172.30 Lakh)

Development and Establishment of Advanced Natural Resource Management Laboratory for Innovative Solutions on Climate Resilient Agriculture (Rs.94.70 Lakh) and Laboratory for Analysis of Soil, Water and Plant along-with Innovative Unit for production of micronutrient (Rs.77.60 Lakh)” at Chhatrapati Shivaji Maharaj Krishi Vidnyan Sankul, Kashti, Malegaon.

Laboratory for Advanced Natural Resource Management with amount Rs 94.70 Lakhs will established with following equipment's

Sr. No.	Equipment/ Machinery	No.
1.	Unmanned Aerial Vehicle (drones) based for Spraying with accessories	1
2.	Unmanned Aerial Vehicle (drones) based for Surveying & Mapping with accessories	1
3.	Altum PT Sensor (Thermal +Multispectral Imaging Sensors)	1
	Compatible drone for Altum PT sensor	1
4.	Automatic Weather Station for Climate Change Adaptation and Mitigation	1
5.	GPS, Software, Navigation, and Digital agriculture technologies	1
Office Equipment		
6.	Xerox Machines with accessories	1
7.	Interactive Pannel with accessories	1
8.	Plotter with accessories	1
9.	High Resolution Camera	1
10.	Multimedia Podium and accessories	1
11.	Microwaves with accessories	1
12.	Vacuum Cleaner	2
13.	Miscellaneous Expenditure Paper sheet, Ink, Stationery, etc	1
Laboratory Equipment		
14.	Micro-climate Monitoring Stations: capable of Measuring Various climatic parameters	
15.	Soil Moisture Sensors	1
16.	Internet of Things Compatible Mini-PCs for enabling different sensors and objects to connect and exchange data	11
17.	Data loggers with wireless transmitters for data acquisition, storage and transfer from different sensors and devices	
18.	Leaf Wetness sensors for pest and disease incidences	
19.	Data Storage and Analysis (Computers-AIO, Workstation, Laptops and Others)	13
20.	CCTVs for security	24
21.	Other Instruments, Chemicals and software as per need	

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Production unit of Micronutrient and Laboratory of Soil, Water and Plant Analysis with amount Rs 77.60 Lakhs will established with following equipment's

Sr. No.	Equipment's	No.
1	Atomic absorption spectrophotometer (AAS) with acetylene cylinder and AC Room with accessories	1
2	Digital flame photometer with Air compressor	1
3	Double Beam UV Spectrophotometer with accessories	1
4	Kjeldahl nitrogen analyzer	1
5	Double distillation unit with accessories	1
6	pH meter	2
7	EC meter	2
8	Hot air oven	1
9	High precision balance	1
10	Weighing balance	2
11	Hot water bath	1
12	Rotatory shaker	1
13	Infrared rapid digestion unit	1
14	Thermometer	2
15	Rocks Set	1
16	Minerals Set	1
17	Munsell colour chart	1
18	Muffle furnace	1
19	Sieve (2.0 mm and 0.5 mm)	5
20	Bouyoucos hydrometer	2
21	Hydrometer	2
22	Infiltrometer	1
23	Hydraulic conductivity meter	1
24	Atteberg's limit unit	1
25	Wooden mortar and pestle	1
26	Turbidity unit	1
27	Hot plate	1
28	Soil sampling augers	5
29	Soil Plastic Limit apparatus	6
30	Yodar wet sieve Shaker apparatus	1
31	Soil liquid limit apparatus	3
32	Shrinkage Limit Apparatus	6
33	Automatic Sieve Shaker	1
34	Hygrometer	5
35	Proctor Compaction Apparatus	3

Prepared

Sr. No.	Equipment's	No.
36	Tensiometer	2
37	Soil permeability apparatus	1
38	Density Hydrometer	5
39	Weighing Balance (20 kg)	2
40	Triaxial Test apparatus	1
41	Micro pipette	2
42	Stainless steel stirrer (250 L capacity)	1
43	Electric motor (3 phase)	1
44	Bottle packing machine	1
45	Computer with printer	2
46	Air conditioner	4
47	Rack	20
48	Chemicals	
49	Glassware's	
50	Refrigerator	1
51	Miscellaneous	1
52	Working Table with accessories	4
53	Gas cylinder	
54	CCTVs for security	24

Rajendra
Rajendrakumar Patil
 Registrar