



**PROPOSALS (CUSTOMIZATION OF TECHNOLOGY)
Upper Cap Funding Rs.1,00,000**



SEG Name	:	Sustainable Agriculture System
SEG Contact Details	:	Dr. R.N. Padaria, Indian Agricultural Research Institute, New Delhi.
Proposal Id	:	C-15745/MH/SOL/SASM/50K/1
Title of the Technology	:	Soil Quality Testing and Analyzer.
Amount Requested For	:	50000
Date of Proposal Submitted	:	15-07-2023
PI Contact Details	:	Swanand Gajanan Kulkarni, swanand293@gmail.com, 7875212835
State	:	Maharashtra
District	:	Solapur
Village Name	:	Kasegaon
Current Status	:	Forward to SEG

Proposal submitted by	Skn Sinhagad Colleg of Engineering Korti Tal Pandharpur Dist-Solapur	RCI	Indian Institute of Technology, Bombay (AISHE Code:-U-0306)
Name of College/Institution	Skn Sinhagad Colleg of Engineering Korti Tal Pandharpur Dist-Solapur (AISHE Code:-C-15745)	State	Maharashtra
District	Solapur	Village Name	Kasegaon
Block		Date of submission	15-07-2023
Coordinator Name	Swanand Gajanan Kulkarni	Email ID	swanand293@gmail.com
Mobile No	7875212835	Principal Investigator	Mr Siddheshwar Gangonda
Email of Principal Investigator	siddheshwar.gangonda@sknscoe.ac.in	Mobile No of Principal Investigator	8698089190

Proposal Overview

Subject Expert Group:	Sustainable Agriculture System
Title Of Technology:	Customization of Technology
Village where it is to be implemented	Kasegaon

Objective	A soil test is important for several reasons: to optimize crop production, to protect the environment from contamination by runoff and leaching of excess fertilizers, to aid in the diagnosis of plant culture problems, to improve the nutritional balance of the growing media and to save money and conserve energy. Geotechnical testing equipment is used to determine grain size, moisture content, and strengths at varying moisture contents. Other tests are run to measure the permeability of water or fluids in soils or to provide controls for the compaction of engineered fills. It is the need of farmers in Kasegaon Village for the increase in the crop production.
Funds Raised from Gram Panchayat	Others
Details of the funds raised from other agencies	-
Describe your role at various stage of the Project	Maintain Positive & Strong Relation with People of Kasegaon. 2. To Give Moral Support to the KASEGAON GRAMPANCHAYAT under Unnat Bharat Abhiyan. 3. Collection of Soil Sample and provide test reports and assistance to village farmers. 4. We will Finalized the work plan & Timeline of this project along with our Team members.
Describe your role at various stage of the project	Maintain Positive & Strong Relation with People of Kasegaon. 2. To Give Moral Support to the KASEGAON GRAMPANCHAYAT under Unnat Bharat Abhiyan.
Impact on village/ Beneficiaries	All villagers will get benefited.
How to maintain future sustainability of installed technology in the village	A soil test is crucial because it will help in the optimization of crop production, diagnosing the nutrient deficiencies in the soil, and consequently working towards improving the lacking nutrients. A soil test is important for several reasons: to optimize crop production, to protect the environment from contamination by runoff and leaching of excess fertilizers, to aid in the diagnosis of plant culture problems, to improve the nutritional balance of the growing media and to save money and conserve energy.
Impact of this work on learning of Students /Teacher	Students will able to know about effect of various fertilizers and manures on soil properties and also change in crop patterns.
Role of PI after compilation of the project duration	To monitor the system and its operations.
Supporting Document	View Document View Prototype

Total cost of the Product / Technology

S.No	Categories of Fund	Total cost of the Product / Technology
1	Site Preparation Cost	10000
2	Equipment/Machinery cost	15000
3	Running Cost	3000
4	Manpower Cost	10000
5	Electricity Cost	10000
6	Miscellaneous Expense	2000
Total		50000

Observation / Comments

Comment By PI	All documents are submitted. Please verify. Date:15-07-2023
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