



Shahid Shikshan Prasarak Mandal, Titave's
SHAHID VIRPATNI LAXMI MAHAVIDYALAYA

Titave, Tal-Radhanagari Dist-Kolhapur

PH (0231) 254370

E-Mail-svlm.titave@gmail.com

Ref.: 2022-23/755-B

DATE : 08/02/20 23

To,
 The CEO,
 Doodhganga Agro Producer Company Ltd,
 Kasaba Walave,
 Tal : Radhanagari,
 Dist : Kolhapur
 Pin : 416221.

Subject: Funding Request for Project "Investigating the Impact of Land Use Pattern on Avian Diversity in Kolhapur District"

Respected Sir,

We are writing to seek financial support from Doodhganga Agro Producer Company Ltd, Kasaba Walve, for our upcoming research project.

Objective of our project are Identify the different land use patterns in the district, Determine the avian diversity in different land use areas, Analyse the relationships between land use pattern and avian diversity and Assess the impact of human activities on avian diversity etc.

This initiative aligns with Doodhganga Agro Producer Company Ltd commitment to innovation and sustainability in agriculture. We are requesting 10 Lakh INR to cover personnel, equipment, and analysis expenses. The project promises to deliver insights that will enhance the research is expected to provide valuable insights into the impact of land use pattern on avian diversity in Kolhapur district.

The findings can help in formulating conservation strategies and sustainable land use practices to protect avian species in the region. Your support will not only benefit our research but also contribute to Doodhganga Agro Producer Company's leadership in the agricultural sector. I look forward to discussing this proposal in more detail.

Please find attached a detailed proposal of project.

Sincerely,



[Signature]
 Principal
 Shahid Virpatni Laxmi Mahavidyalaya
 Titave, Tal. Radhanagari, Dist. Kolhapur.

Research Proposal

Shahid Virpatni Laxmi Mahavidyalaya Titave, Tal : Radhanagari, Dist : Kolhapur

Title: Investigating the Impact of Land Use Pattern on Avian Diversity in Kolhapur District

1. Introduction:

Avian diversity plays a crucial role in maintaining the ecological balance of a region. Different land use patterns such as agriculture, forests, urbanization, and water bodies can significantly impact avian diversity. Kolhapur district in Maharashtra, India, is known for its rich biodiversity and is home to a wide variety of bird species. However, with rapid urbanization and changes in land use patterns, there is a need to study the impact of these changes on avian diversity in the region.

2. Objectives:

- a. Identify the different land use patterns in the district.
- b. Determine the avian diversity in different land use areas.
- c. Analyze the relationships between land use pattern and avian diversity.
- d. Assess the impact of human activities on avian diversity.

3. Methodology:

- a. **Survey and Mapping:** Conduct a detailed survey to identify different land use patterns in the district such as agriculture, forests, urban areas, and water bodies. Use Geographic Information System (GIS) mapping to create a land use map of the study area.
- b. **Avian Diversity Assessment:** Conduct bird surveys in different land use areas to determine the diversity and abundance of bird species. Use standardized survey methods such as point count surveys and line transect surveys.
- c. **Data Analysis:** Compare avian diversity indices such as species richness, abundance, and diversity across different land use patterns. Use statistical analysis to determine the correlation between land use pattern and avian diversity.
- d. **Human Impact Assessment:** Assess the impact of human activities such as deforestation, habitat destruction, and pollution on avian diversity. Interview local communities and stakeholders to gather information on human-wildlife conflicts.

4. Expected Outcomes:

The research is expected to provide valuable insights into the impact of land use pattern on avian diversity in Kolhapur district. The findings can help in formulating conservation strategies and sustainable land use practices to protect avian species in the region.

5. Timeline:

- a. Data collection: 24 months
- b. Data analysis: 5 months
- c. Report writing and presentation: 5 months

6. Ethical Considerations:

- a. Obtain necessary permits and permissions for conducting fieldwork and accessing private as well as government-owned lands.
- b. Ensure the ethical treatment of birds during surveys and minimize disturbance to their habitats.
- c. Maintain confidentiality and anonymity of participants during interviews and surveys.

7. Conclusion:

The proposed research will contribute to the existing knowledge on avian diversity and land use patterns in Kolhapur district. By understanding the impact of human activities on bird species, conservation efforts can be targeted towards preserving the rich biodiversity of the region.)



8. Budget (in INR):

Sr. no.	Particulars	Rate	Unit	Amount
3	Photography Equipment a. Camera (DSLR), Trap Camera b. Lenses c. Tripods d. Bags e. Memory cards f. Other necessary accessories	2,00,000.00	1	2,00,000.00
4	Field Expenses: a. Transportation, b. Accommodation, c. Food	5,000.00	80	4,00,000.00
5	Data devices: a. Laptop, b. Storage Media, c. Printer	1,65,000.00	1	1,65,000.00
6	Field Equipment - Tents, Portable Chairs, Tables, Sleeping Bags, Torches	40,000.00	1	40,000.00
7	Contingency Expenses – a. Field and Printing Stationery, b. Communication, c. Photo-video documentation etc.	20,000.00	1	20,000.00
8	Books a. Bird identification guides b. Reference Books c. Journal Subscriptions	20,000.00	1	20,000.00
9	Bird Conservation / Awareness Programs.	20,000.00	5	1,00,000.00
10	Institutional Overhead Charges (College)			50,000.00
			Total	9,95,000

9. Breakup Structure of research Amount:

A. Books and Journal Subscriptions:

Sr. No.	Title of the Book	Author	Publication	Price	Unit	Amount
3	The Book of Indian Birds 13 th Edition	Salim Ali	Oxford	550.00	1	550.00
4	A Field Guide to the Birds of the Indian Subcontinent	Krys Kazmierczak	Yale University Press	800.00	4	3200.00
5	Birds of India: Collins Field Guide	Norman Arlott	Collins	420.00	1	420.00



7	A Naturalist's Guide to the Birds of India	Bikram Grewal and Garima Bhatia	Prakash Books India Pvt Ltd	420.00	1	420.00
11	The Book of Indian Reptiles and Amphibians	J. C. Daniel	BNHS	850.00	3	2550.00
15	A Naturalist's Guide to the Mammals of India	Bikram Grewal and Rohit Chakravarty	Prakash Books India Pvt Ltd	450.00	1	450.00
16	A Naturalist's Guide to the Reptiles of India	Indraneil Das and Abhijit Das	Prakash Books India Pvt Ltd	420.00	1	420.00
17	Important Bird Areas of Maharashtra: Priority Sites for Conservation	Asad Rahmani, et. al	IBCN, BNHS	300.00	1	300.00
18	Birds of South Asia: The Ripley Guide Vol. I and Vol. II	Pamela C. Rasmussen, John C. Anderton	Lynx Edicions	8,000.00	1	8,000.00
19	Birds of the Indian Subcontinent	Richard Grimmett, et al	Bloomsbury India	1,300.00	1	1,300.00
20	Magical Biodiversity of India	Asad R. Rahmani and Dhritiman Mukherjee	Oxford	2,000.00	1	2,000.00
					Total	19,610.00

B. Data devices:

Sr. No.	Particulars	Price in INR	Unit	Amount
1	Laptop (latest model with High Configuration)	1,00,000.00	1	1,00,000.00
2	Wireless Keyboard and Mouse Set	1,500.00	1	1,500.00
3	1 TB Portable SSD	10,000.00	2	20,000.00
4	4TB Professional External HDD	20,000.00	1	20,000.00
5	128 GB High-speed Flash Drives	1,200.00	2	2,400.00
6	Printer (All-in-one)	15,000.00	1	15,000.00
			Total	1,58,900.00

C. Photography Equipment with all necessary accessories:

Sr. No.	Equipment	Model	Price in INR	Unit	Amount
4	Camera	SONY full-frame Body + 28-60 mm zoom lens	80,000.00	2	1,60,000.00
13	Tripod	Benro TTOR24CGX30 Carbon Fiber Tripod Kit	15,000.00	1	15,000.00
17	Memory Cards	SanDisk Ultra® micro SDXC UHS-I Card, 64GB, 140MB/s R	1,000.00	5	5,000.00
				Total	1,80,000.00




Principal
 Shahid Virpatni Laxmi Mahavidyalaya
 Titava, Tal. Radhanagar, Dist. Koilapur.

Ref. No.: DAPC | 59 | 2022-23.

Date: 15/03/2023

To,
The Principal,
Shahid Virpatni Laxmi Mahavidyalaya, Titave
Tal: Radhanagari, Dist: Kolhapur.

Subject: Approval for Project Name "Investigating the Impact of Land Use Pattern on Avian Diversity in Kolhapur District"

Respected Sir,

We are pleased to inform you that your proposed project "**Investigating the Impact of Land Use Pattern on Avian Diversity in Kolhapur District**", has been approved by Doodhganga Agro Producer Company Ltd, Kasaba Walave, we believe that this project aligns well with our organizational goals and will contribute significantly to our objectives.

Project Objectives:

- Identify the different land use patterns in the district.
- Determine the avian diversity in different land use areas.
- Analyse the relationships between land use pattern and avian diversity.
- Assess the impact of human activities on avian diversity.

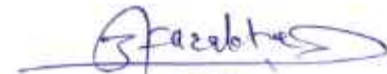
Budget Allocation: 10 Lakh INR

Sanction Amount: 6,75,000 INR

We appreciate the effort and dedication you have put into developing this project proposal. Your thorough analysis and strategic approach have been duly noted and considered during the evaluation process.

Please be advised that the approval of this project comes with certain expectations regarding its successful execution and timely completion. We trust that you and your team will adhere to the agreed-upon timeline and deliverables outlined in the project plan.

Once again, congratulations on the approval of your project. We look forward to witnessing its successful implementation and the positive impact it will have on our organization.
Sincerely,



CEO

**Doodhganga Agro Producer
Company Ltd, Kasaba Walave**

Shahid Virpatni Laxmi Mahavidyalay, Titve 22-23

At/post Titve
Tal Redhanagari
Dist Kolhapur

Receipts and Payments

1-Apr-2022 to 31-Mar-2023

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Receipts	1-Apr-2022 to 31-Mar-2023	Payments	1-Apr-2022 to 31-Mar-2023
Opening Balance	4,42,327.94	Amount From/To Sanstha	41,74,983.0
Bank Accounts	4,40,037.94	Shahid Shikshan Prasarak Mandal Account	41,74,983.00
Cash-in-Hand	2,290.00	Fixed Assets	14,27,670.0
Indirect Incomes	2,06,89,171.00	Computer Printer Purchase Account	3,82,550.00
College Fees Received Account	92,22,865.00	Furniture and Fixtures Account	2,84,000.00
Dudhganga Agro Reserch Fund Account	6,75,000.00	Lab Computer Instruments Account	2,47,590.00
Fee Received Account	20,29,859.00	Library Books Account	1,29,672.00
Other Receipts Account	6,13,832.00	Tools & Equipemnts Account	3,83,658.00
Partnership Received Account	83,47,615.00	Indirect Incomes	67,295.0
		Fee Received Account	67,295.00
		Indirect Expenses	1,19,45,598.5
		Advertising and Campening Expenses Account	5,13,882.00
		Bank Charges Paid Account	13,637.51
		Computer Maintenance Account	9,540.00
		Daily Wages Account	10,300.00
		Dress Code Account	2,07,772.00
		Functions and Celebaration Account	1,85,369.00
		Ground Rent Account	16,000.00
		Health & Medicine Account	1,973.00
		Internet Bill Account	56,616.00
		ISO Registration Account	10,000.00
		Kamava V Shika Mandhan Account	53,230.00
		Light Bill Account	1,48,160.00
		Mess Expenses Account	31,612.00
		N S S Camp Expenses Account	32,004.00
		Printing and Stationery Account	1,40,083.00
		Remmuration Paid Account	97,800.00
		Repairs & Maintenance Account	3,38,606.00
		Sahitya Account	7,400.00
		Salary Account	50,17,262.00
		Sanitation Charges Account	40,740.00
		Seminer Account	16,687.00
		SNDT Vidyapeeth Exam Fee Paid Account	22,59,676.00
		Sports instruments and Competition Account	2,400.00
		Staff Development Account	2,69,301.00
		Students Development Account	2,64,733.00
		Students I Card Charges Account	37,480.00
		Student Stationery Account	16,700.00
		Students Transport Charges Account	18,02,685.00
		Sundry Exps Account	72,049.00
		Training & Placement Account	7,346.00
		Transport Charges Account	20,660.00
		Travelling Expenses Account	1,87,218.00
		Workshop Account	56,275.00
		Closing Balance	37,15,962.4
		Bank Accounts	37,14,751.43
		Cash-in-Hand	1,201.00
Total	2,13,31,498.94	Total	2,13,31,498.5

Prepared as Per Information
given by the Proprietor


Santosh Gulavani
 M.Com G.A (Inter) B.D.C & A
 Tax Consultant

