

SANATANA DHARMA COLLEGE, ALAPPUZHA



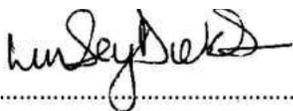
3.1.1 - Grants received from Government and non-governmental agencies for research projects



COLLABORATION AGREEMENT
between
University of Stirling
and
University of Strathclyde
and
National Institute of Plant Health Management
and
International Crops Research Institute for the Semi-Arid Tropics
And
Sanatana Dharma College, University of Kerala

SIGNED FOR AND ON BEHALF OF UNIVERSITY OF STIRLING:

Full Name: Linsey Dickson

Signed: 

Date: 21 June 2021

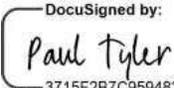
Designation: Director of Research & Innovation Services

Address: University of Stirling, Stirling, FK9 4LA

S. D. College, Alappuzha

SIGNED FOR AND ON BEHALF OF UNIVERSITY OF STRATHCLYDE:

Full Name: Paul Tyler

Signed: 
.....3715F2B7C959482.....

Date: 10 June 2021

Designation: Contracts Manager

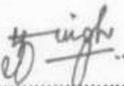
Address: 16 Richmond Street, Glasgow, G1 1XQ

S. D. College, Alappuzha

SIGNED FOR AND ON BEHALF OF NATIONAL INSTITUTE OF PLANT HEALTH MANAGEMENT:

Full Name: DR. SAGAR HANUMAN SINGH, IPS

Designation: DIRECTOR GENERAL

Signed: 

Date: 31/5/2021

Address: Rajendranagar, Hyderabad - 500 030, Telangana, India

SIGNED FOR AND ON BEHALF OF INTERNATIONAL CROPS RESEARCH INSTITUTE FOR THE SEMI-ARID TROPICS:

Full Name:



Signed:

Date:22 April 2021.....

Designation: Deputy Director General-Research

Address: Patancheru, Hyderabad – 502 324, Telangana, India

S. D. College, Alappuzha

SIGNED FOR AND ON BEHALF OF SANATANA DHARMA COLLEGE, UNIVERSITY OF KERALA:

Full Name: Dr. P. R. Unnikrishna Pillai

Signed: 
.....

Date: 11/6/2021
.....

Designation: Dr. P. R. UNNIKRISHNA PILLAI
Principal, S.D. College
Alappuzha

Address: Kanyakumari - Panvel Road, Sanathanapuram, Alappuzha – 688 003, Kerala,
India



This is the Schedule referred to in the foregoing Collaboration Agreement between University of Stirling and University of Strathclyde and National Institute of Plant Health Management and International Crops Research Institute for the Semi-Arid Tropics and Sanatana Dharma College, University of Kerala

Part 3

Payment Details

The Lead Collaborator shall pay to the Parties, in consideration of the work carried out under this Agreement, the sums detailed below. All sums are inclusive of VAT or local taxes, if applicable. Payments shall be made subject to the receipt of sufficient funds from the Funder and within 30 days of receipt of quarterly invoices from the relevant Parties. The final invoice should be sent to the Lead Collaborator within one month of the end of the Project to allow preparation of the final cost statement.

Awarded amounts and amounts agreed by the management committee for revised activities as detailed in Schedule 4 are shown below. Costs have been vired from Y1 T&S and Other Costs:

Summary of awarded budget:

	Awarded Amount (£)	Revised Amount (£)
Stirling	£257,306.46	£245,306.46
Strathclyde	£9,600	£9,600
National Institute of Plant Health Management	£0	£0
International Crops Research Institute for the Semi-Arid Tropics	£25,500	£37,500
Sanatana Dharma College, University of Kerala	£7,500	£7,500
TOTAL:	£299,906.46	£299,906.46

University of Stirling

	Awarded Amount (£)	Revised Amount (£)
PI / Col Salary - (PI Maharaj, Col Bhowmik, Col Marino & PDRA)	181,771.46	181,771.46
Equipment & Consumables	19,985	20,980
Travel & Subsistence	36,950	26,955
Event Costs	2,000	2,000
Other Costs	9,100	8,600
Administrative Costs	7,500	5,000
TOTAL:	£257,306.46	£245,306.46

University of Strathclyde

	Amount (£)	Revised Amount (£)
Col Salary - Col Kleczkowski (18 d) – to assist with decision support tools (including software), development of data and data tools for the project, networking and reporting of discussions among stakeholders and scientific community and other work as specified in the Proposal (and Variation if applicable).	£9,600	£9,600
TOTAL:	£9,600	£9,600

National Institute of Plant Health Management

	Amount (£)	Revised Amount (£)
Col Salary - National Institute of Plant Health Management (NIPHM) will contribute the time of Dr Alice Christopher to assist with event organisation, liaise with trainees at NIPHM, and attend project events and meetings as an In-Kind contribution.	0	0
TOTAL:	£0	£0

International Crops Research Institute for the Semi-Arid Tropics

	Amount (£)	Revised Amount (£)
Col Salary - ICRISAT will contribute the time of Dr Srikanth Rupavatharam to liaise with SenseAcre to arrange drone monitoring services in Kerala, and to attend project events and meetings.	0	0
Other Staff Costs	0	11,000
Water & Sample Analyses	0	1,000
Drone surveys with Senseacre including Passover costs	25,500	25,500
TOTAL:	£25,500	£37,500

Sanatana Dharma College, University of Kerala

	Amount (£)	Revised Amount (£)
Col Salary - Sanatana Dharma College will contribute the time of Dr Nagendra Prabhu to assist with event organisation, advise on field work in Kerala, and attend project events and meetings as an In-Kind Contribution	0	0
Field Workers employed by Sanatana Dharma College	£7,500	£7,500
TOTAL:	£7,500	£7,500

Any other project costs that the Parties wish to recover from a central project budget held by the Lead Collaborator (such as, but not limited to, travel costs) should be invoiced on the same basis as the above - invoices must be raised for 80% of such costs (showing 100% expenditure).

Invoices to be addressed to:

Payment Section, Finance Office, University of Stirling, FK9 4LA.

FAO: Computing, Maths

Email: payment.section@stir.ac.uk

Lead Collaborator Reference:

Project ID: 1500744

Finance Project Code: 100786

(Please include this on all invoices)

Table 1. Quality assessments for water and plant samples

Parameters to be monitored for water samples	Parameters to be monitored for plant samples
pH	Sodium (mg/kg)
Electrical conductivity (dS/m)	Calcium (mg/kg)
Turbidity (NTU)	Magnesium (mg/kg)
Total alkalinity (mg/L as CaCO ₃)	Total nitrogen (mg/kg)
Total Hardness (mg/L as CaCO ₃)	Total phosphorous (mg/kg)
Calcium hardness (mg/L as CaCO ₃)	Total potassium (mg/kg)
Sodium (mg/L)	Total organic carbon (mg/kg)
Potassium (mg/L)	
Ammoniacal-Nitrogen (mg/L)	
Nitrate/Nitrite-Nitrogen (mg/L)	
Phosphate (mg/L)	
Sulfate (mg/L)	
Chemical Oxygen Demand (mg/L)	
Chloride (mg/L)	



KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY AND ENVIRONMENT
An Autonomous body of the Government of Kerala

KSCSTE – Rural Technology Programme - Project entitled 'Value Added Products from Water Hyacinth (Eichhornia Crassipes)' submitted by Dr. G. Nagendra Prabhu, Associate Professor, Centre for Research on Aquatic Resource, P. G. Department of Zoology & Research Centre, S.D College, University of Kerala, Alappuzha. - financial grant - sanctioned – Orders issued.

Council (P) Order No704/2019/KSCSTE Dated: Thiruvananthapuram,25/05/2019

- Ref - (1) Proposal dated: 11.04.2018
(2) File No. KSCSTE/897/2018-RTP
(3) Minutes of the 23rd meeting of TC-RTP held on 30th January 2019
(4) Letter No. KSCSTE/897/2018-RTP, dt:01.03.2019
(5) Agreement executed by Dr. G. Nagendra Prabhu.

ORDER

1. As per reference (1) cited above, Dr. G. Nagendra Prabhu, Associate Professor, Centre for Research on Aquatic Resource, P. G. Department of Zoology & Research Centre, S.D College, University of Kerala, Alappuzha submitted a project proposal entitled 'Value Added Products from Water Hyacinth (Eichhornia Crassipes)' seeking financial assistance under the RTP scheme. The Technical Committee for Rural Technology Programme (TC-RTP) of the Council evaluated the proposal and based on the recommendations, the Council has decided to support the project by offering an amount of Rs.3,00,000/- with Dr. G. Nagendra Prabhu as the Principal Investigator (PI) and Sanatana Dharma College, Alappuzha as the tie up institution. As per reference (5) cited above, Dr. G. Nagendra Prabhu, Associate Professor, Centre for Research on Aquatic Resource, P. G. Department of Zoology & Research Centre, S.D College, University of Kerala, Alappuzha executed an agreement on the Terms and Conditions, duly signed by the Principal, Sanatana Dharma College, Alappuzha in the requisite stamp paper worth Rs. 100/-.

2. Kerala State Council for Science, Technology and Environment (KSCSTE) is pleased to accord sanction for the project entitled 'Value Added Products from Water Hyacinth (Eichhornia Crassipes)' submitted by Dr. G. Nagendra Prabhu, under Rural Technology Programme and to support the project by providing financial grant of Rs. 3,00,000/- (**Rupees Three Lakhs only**).

3. Based on the recommendations of TC-RTP and as per Council norms, **Rs. 1,37,500/- (50% of the budget heads excluding Institutional Overhead)** will be released as initial payment and the amount will be released to the Head of the tie-up institution. The sanctioned budget heads for the project are as given below

SI No.	Items	Amount (Rs.)
1.	Manpower (Skilled Labour)	1,00,000/-
2.	Consumables (Raw materials/ Chemicals, Binder etc.)	60,000/-
3.	Travel Expenses	20,000/-
4.	Contingency	20,000/-
5.	Others (Testing charges for briquettes, dyed materials and pulp products)	75,000/-
6.	Institutional Overhead	25,000/-

	Total Cost	3,00,000/-
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4. Duration of the project shall be two years. PI should report the date of start of the project and in any case, it shall not be later than one month of the date of issue of the Council Order.

5. KSCSTE's name should be engraved or affixed permanently on all equipment/ instruments procured and also on fabricated ones under the RTP Programme of KSCSTE as 'Procured under RTP project sanctioned from KSCSTE'. It should be ensured that all the assets are procured, strictly following the purchase procedures of the institution.

6. The balance amount will be released subject to monitoring the progress of the project and verification of audited financial statements (Statement of Expenditure and Utilization Certificate) in the prescribed format.

7. Head of the Institution should ensure that the Terms & Conditions executed are strictly followed during the implementation of the project. Also, it should be ensured that Quarterly Progress Reports (QPRs) in the prescribed format are submitted promptly.

8. KSCSTE is pleased to release Rs. 1,37,500/- (**Rupees One Lakh Thirty Seven Thousand and Five Hundred only**) towards the first installment of the financial assistance for the implementation of the project and the amount will be disbursed to the **Principal, Sanatana Dharma College, Alappuzha** through net banking for the above said purpose.

9. The amount will be disbursed to the following Bank Account through net banking/e-payment.

Beneficiary Account Name	Principal
Beneficiary Account Number (SB/CC)	009500100059204
Beneficiary IFSC code	DLXB0000273
Beneficiary Name and Branch	Dhanlaxmi Bank, S.D. College Branch
Beneficiary Address	Kalarkode, Alappuzha
Beneficiary Mobile No:	9495017901
Beneficiary email id	nagendra.prabhu@gmail.com

N
E

10. The expenditure in this regard will be met from the Council's budget head **III Schemes and Programmes of KSCSTE (E-4) Rural Technology Programme.**

Validity unknown

Digitally signed by K P SUDHEER
K P
Date: 2019.05.25 12:04 IST
Reason: Approved

K P SUDHEER
EXECUTIVE VICE PRESIDENT, KSCSTE

To

The Principal, Sanatana Dharma College, University of Kerala, Alappuzha – 688003

Copy to:

F. No. Z.18020/GO/HG/KE-01/2019-20- NMPB
Government of India
Ministry of Ayurveda, Yoga & Naturopathy, Unani, Siddha & H
(AYUSH)
National Medicinal Plants Board

India Red Cro
India Red Cro

E-mai
Dat

NMPB/IFD/GIA/NR/PL/2021-22/ 08

To
The Pay & Accounts Officer (Sectt.),
Ministry of Health & Family Welfare
Nirman Bhavan, New Delhi – 110 011

**Subject: Release of 2nd & final installment of Non-recurring grant
2021-22 to Sanatana Dharma College, Alappuzha, Ker
Establishment of Expenditure AYUSH-3463 (as attach
reg.....**

Sir,

In exercise of powers delegated under DFPR-1978, I am directed
the sanction of the President to release of non-recurring grant amounting
(Rupees One Lakh Only) to Sanatana Dharma College, Alappuzha,
2nd & final installment during the year 2021-22 in the following heads:-

(a)	Allocated Budget (BE-2021-22)	Rs. 47,50,00,000
(b)	Expenditure prior to this sanction	Rs. 1,88,34,422/
(c)	Amount of Release of current sanction	Rs. 1,00,000/-
(d)	Cumulative expenditure	Rs. 1,89,34,422/
(e)	Balance Budget after the release	Rs. 45,60,65,578

2. The Grant-in-aid is subject to the terms and conditions laid down for the
3. There is **No Utilization Certificate** pending from the above grante
scheme.

Copy to:-

i) The Under Secretary, Ministry of AYUSH, New Delhi.

ii) The Project Investigator – **Dr. Jose Mathew**, Assistant Professor, Depart
Sanatana Dharma College, Alappuzha-688003, **Kerala**- with the request th
must be done with observance of codal formalities and following document
the competent authority and certified as correct by Govt. Auditor or Charter
the case may be, shall also be sent to this Ministry within a period of twelve
closure of the financial year of 2021-22:

- i) Utilization certificate in the prescribed proforma (GFR – 12 C) to
grant has been utilized for the purpose for which it was sanctioned
Govt. Auditor or Chartered Accountant.
- ii) Audited accounts reflecting therein the grant-in-aid and the item-by
incurred thereof duly signed by Govt. Auditor or Chartered Account
- iii) A certificate stating that grantee/institution/organization has not
assistance for the same purpose from any other department of the
Government or any other Government Agency.
- iv) An achievement-cum-performance report explaining:-
 - (a) The purpose for which the grant was received.
 - (b) The manner in which it has been utilized.
 - (c) How the grant helped to improve the performance of the Institut

Under Secretary to

Copy also to:

1. The Director of Audit, Central Revenues, I.P. Estate, New Delhi.
2. The Secretary (Health) of the concerned State Governments/U.Ts
3. Dr. Padma Kumar, Assistant Advisor (Bot.), NMPB.
4. Deputy Secretary, Ministry of AYUSH, AYUSH Bhawan, INA, New Delhi.
5. Cash (AYUSH) Section, Ministry of AYUSH, AYUSH Bhawan, INA, Ne
spare copy with the request to kindly release the amount through RTGS as p
enclosed.
6. ISM (E.III) Section/P&E Cell/US (IFD), Ministry of AYUSH
7. **The Chief Executive Officer**, State Medicinal Plants Board, Kerala, Sh
Thiruvambady, Thrissur-680022, Kerala.
8. **Dr. K.C. Chacko**, Regional Director, Regional cum Facilitation Centre (S



കേരള സർക്കാർ

പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന ഡയറക്ടറേറ്റ്

കെ എസ്.ആർ.റ്റി.സി ബസ് ടെർമിനൽ (നാലാം നില) തിരുവനന്തപുരം 695 001

ഫോൺ 0471 2326264 (ഓഫീസ്)

ഇ-മെയിൽ envt_dir@kerala.gov.in വെബ് www.envt.kerala.gov.in

വിഷയം:- ഡി.ഒ.ഇ.സി.സി - കാലാവസ്ഥ വ്യതിയാനം - കാലാവസ്ഥ വ്യതിയാനം ശീർഷകത്തിലെ പദ്ധതിയായ “Studies on effect of climatic changes on the morphology , phenology and reproductive biology of some endemic ephemerals of south Western Ghats” - ന്റെ ഒന്നാം ഗഡുവായ 4.91 ലക്ഷം രൂപ അനുവദിച്ച് ഉത്തരവാകുന്നു.

പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന വകുപ്പ് ഡയറക്ടറുടെ നടപടിക്രമം

(ഹാജർ : മിർ മുഹമ്മദ് അലി ഐ എ എസ്)

നം: ഡി.ഒ.ഇ.സി.സി/എഇ2/സിസി/2094/2019

തീയതി. 04.11.2020

- പരാമർശം:-
1. 23.07.2019 ലെ Dr. Jose Mathew, Assistant Professor, S.D. College, Alappuzha - 688003 സമർപ്പിച്ച പദ്ധതി രൂപരേഖ.
 2. സ.ഉ(സാധാ)നം.105/2019/പരി. തീയതി 30.10.2019.
 3. 02.12.2019 ലെ ഈ ഓഫീസിലെ ഇതേ നമ്പർ ധാരണാപത്രം.

ഉത്തരവ്

പരാമർശം (1) പ്രകാരം Dr. Jose Mathew, Assistant Professor, Sanatana Dharma College, Alappuzha - 688003 പ്രിൻസിപ്പൽ ഇൻവെന്റിഗേറ്ററായി “Studies on effect of climatic changes on the morphology , phenology and reproductive biology of some endemic ephemerals of south Western Ghats” എന്ന പേരിൽ ഒരു പദ്ധതി രൂപരേഖ “കാലാവസ്ഥ വ്യതിയാനം” ശീർഷകത്തിൻ കീഴിലെ സാമ്പത്തിക സഹായം ലഭിക്കുന്നതിലേക്കായി പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന ഡയറക്ടറേറ്റ് ഡയറക്ടർ മുമ്പാകെ സമർപ്പിക്കുകയുണ്ടായി. ടി രൂപരേഖ 30.09.2019 ലെ വകുപ്പുതല വർക്കിംഗ് ഗ്രൂപ്പ് മുമ്പാകെ സമർപ്പിച്ച് അംഗീകാരം വാങ്ങുകയും പരാമർശം (2) പ്രകാരം പ്രസ്തുത പദ്ധതിയുടെ രണ്ട് വർഷ കാലയളവിലെ നിർവ്വഹണത്തിലേക്കായി 9.372 ലക്ഷം രൂപയുടെ ഭരണാനുമതിയും ലഭിക്കുകയും പദ്ധതി നിർവ്വഹണത്തിലേയ്ക്കായി ആദ്യ ഗഡുവായി 4.91 ലക്ഷം രൂപയും നടപ്പ് സാമ്പത്തിക വർഷത്തിൽ അനുവദിച്ച് ഭരണാനുമതി ലഭിക്കുകയുണ്ടായി. ആയതിന്റെ ആദ്യ ഗഡു അനുവദിക്കുന്നതിന് മുന്നോടിയായി പരാമർശം (3)

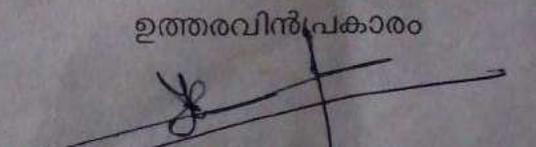
മേൽ വിഷയം പരിശോധിച്ചതിന്റെ അടിസ്ഥാനത്തിൽ, പദ്ധതിയുടെ ആദ്യ വർഷത്തെ പ്രവർത്തനങ്ങൾ നടത്തുന്നതിന്റെ ചെലവിലേക്കായി ആദ്യ ഗഡുവായി 4.91 ലക്ഷം രൂപ Sanatana Dharma College, Alappuzha - ക്ക് അനുവദിക്കുവാനും പദ്ധതി തുകയുടെ എക്സ്പെന്റിച്ചർ സ്റ്റേറ്റ്മെന്റും കെ എഫ് സി ഫോറം 44-ൽ ഉള്ള യൂട്ടിലൈസേഷൻ സർട്ടിഫിക്കറ്റും ഇടക്കാല റിപ്പോർട്ടും ത്രൈമാസമായും, പദ്ധതിയുടെ പൂർത്തീകരണത്തിനുശേഷവും പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന ഡയറക്ടറേറ്റ് ഡയറക്ടർ മുമ്പാകെ സമർപ്പിക്കേണ്ടതും പ്രസ്തുത തുക 3435-04-104-98-പ്ലാൻ, കാലാവസ്ഥ വ്യതിയാനം എന്ന ശീർഷകത്തിൽ നിന്നും വഹിക്കുന്നതിനും ആയത് Principal, Sanatana Dharma College, Alappuzha -688003 ന്റെ പേരിൽ ജില്ലാ ട്രഷറി ആലപ്പുഴ PSTSB അക്കൗണ്ട് നമ്പർ 799012700002154 ൽ നിക്ഷേപിക്കാനും താഴെ പറയുന്ന നിബന്ധനകളോടു കൂടി അനുമതി നൽകി ഉത്തരവാകുന്നു.

1. അനുവദിച്ചു നൽകിയിരിക്കുന്ന തുക ഈ പദ്ധതിയുടെ പ്രവർത്തനത്തിനായി മാത്രം വിനിയോഗിക്കേണ്ടതാണ്.
2. തുക വിനിയോഗിക്കാതെ ബാങ്ക് അക്കൗണ്ടിൽ നിക്ഷേപിക്കുവാൻ പാടില്ല.
3. പരാമർശം (3) പ്രകാരമുള്ള ധാരണാപത്രത്തിലെ വ്യവസ്ഥകൾ കർശനമായി പാലിക്കേണ്ടതാണ്.

ഒപ്പ്/-
ഡയറക്ടർ

സ്വീകർത്താവ് :
Principal, Sanatana Dharma College, Alappuzha-688003

- പകർപ്പ് :
1. അക്കൗണ്ടന്റ് ജനറൽ (എ&ഇ) കേരള, തിരുവനന്തപുരം.
 2. പ്രിൻസിപ്പൽ സെക്രട്ടറി, പരിസ്ഥിതി വകുപ്പ്.
 3. ജില്ലാ ട്രഷറി ഓഫീസർ, തിരുവനന്തപുരം
 4. Dr. Jose Mathew, Assistant Professor, Sanatana Dharma College, Alappuzha - 688003

ഉത്തരവിൻപ്രകാരം

അഡ്മിനിസ്ട്രേറ്റീവ് ഓഫീസർ