

SANATANA DHARMA COLLEGE ALAPPUZHA



AQAR 2021-2022

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year



Approval of the Project Proposal – Regd.

From: Ministry of AYUSH (info-nmpb@nic.in)

To: polachirayan@yahoo.co.in

Date: Tuesday, 21 January, 2020 at 04:41 pm IST

Z. 18020/GO/HG/KE-01/2019-20 – NMPB- VIII

National Medicinal Plants Board
Ministry of AYUSH
Government of India

1st & 2nd Floor,
Indian Red Cross Society (IRCS)
Annexe Building, Red Cross Road,
New Delhi – 110 001
E-mail: info-nmpb@nic.in
Dated: 20th January, 2020

To,

Dr. Jose Mathew,
Assistant Professor,
Department of Botany,
Sanatana Dharma College,
Sanathanapuram P.O., Alappuzha,
Kerala- 688003

Subject: - Approval of the Project Proposal – Regd.

Sir,

The undersigned is directed to refer to the project proposal entitled “**Setting up of a Herbal garden for Demonstration**” submitted by you and to say that the project has been approved in 75th SFC meeting held on 05th December, 2019 for a cost of **Rs. 2.20 lakhs** (Rupees Two Lakh Twenty Thousand only) for establishment of Herbal Garden in 2 ha. area & 1 year maintenance for a period of two years. The project No. is HG/KE-01/2019-20.

2. Details of the approved financial break-up is as indicated below:

Component	NMPB Cost per ha.(Rs. 3.00 lacs for establishment and Rs. 60,000/- for maintenance)	Evaluated Cost	Recommendation of PSC
Establishment of Herbal Garden (2 ha.)	1,20,000/-	1,20,000/-	1,20,000/-
Maintenance for 1 year	1,00,000/-	1,00,000/-	1,00,000/-
Total		2,20,000/-	2,20,000/-

3. SFC also suggested the following:

1. Land document should be submitted along with 10 years undertaking stating that land not to be diverted for any other purposes.
2. Medicinal Plant species should be submitted for proposed Herbal Garden including *Tinospora cordifolia*.

4. Year wise instalments:

1st instalment	1,20,000/-
2nd instalment	1,00,000/-
Total	2,20,000/-

5. In this regard, you are requested to submit the following documents:

1. Pre-receipt of 1st Installment of Rs. 1,20,000/- for the year 2019-20 on affixed Re. 1/- revenue stamp.
2. A certificate stating that Institute/organization is not involved in any proceeding relating to the account or conduct for any of its office bearers.
3. You should submit Herbal Garden status every year and after 5 year you should also submit about the status of land if the land is diverted for any other purpose you will be blacklisted.
4. An undertaking that the terms and conditions of the grant are acceptable to the college/organizations.
5. A certified copy duly authenticated by a Gazetted Officer of the documents showing the Constitution of the governing Body or Managing Committee responsible for the running of the organization and that the persons signing the bond are authorized to operate upon and bind the funds of organizations/Institute.
6. A certificate that the organization has not received any grant from State or Central Govt. or from any other agency for the same proposal.
7. Agency Details (Proforma Enclosed)
8. **Bank Mandate Form** should be submitted through Bank (Proforma Enclosed).
9. PI should upload photograph with timeline every year in NMPB's monitoring app Bhuvan e-HERBS.

You are requested to furnish the above information/ documents at the earliest.

Yours Faithfully

Sd/-
(Dr. Jeetendra Kumar Vaishya)
Research Officer (MPs/ Agro.)

Copy to:

1. **Chief Executive Officer, State Medicinal Plants Board, Kerala, Shornur Road, Thrissur, Kerala.**

National Medicinal Plants Board,
Ministry of Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy,
Government of India

Indian Red Cross Society (IRCS)
Annexe Building, 1st floor & 2nd floor
1 Red Cross Road, New Delhi – 110001

[#AYUSH#ZindagiRaheKhush](#)



കേരള സർക്കാർ

പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന ഡയറക്ടറേറ്റ്

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

ഫോൺ 0471 2326264 (ഓഫീസ്)

ഇ-മെയിൽ env_dir@kerala.gov.in മെയ് 2019 ഓഫീസ്

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/2019/2019

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 ഇൻവെന്ററിക്കോരായി "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" ശീർഷകത്തിൽ കീഴിലെ സാമ്പത്തിക സഹായം ലഭിക്കുന്നതിലേക്കായി പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന ഡയറക്ടറേറ്റ് ഡയറക്ടർ മുന്മാകെ സമർപ്പിക്കുകയുണ്ടായി. ടി രൂപരേഖ 30.09.2019 ലെ വകുപ്പിലെ വർക്കിംഗ് ഗ്രൂപ്പ് മുന്മാകെ 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) പ്രകാരം ഒരു ധാരണാപത്രവും ഒപ്പു വെക്കുകയുണ്ടായി.

മേൽ വിഷയം പരിശോധിച്ചതിന്റെ അടിസ്ഥാനത്തിൽ, പദ്ധതിയുടെ ആദ്യ വർഷത്തെ പ്രവർത്തികൾ നടത്തുന്നതിന്റെ പൈലറിലേക്കായി 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

ഉത്തരവിൻ്റെ പ്രകാരം

അഡ്മിനിസ്ട്രേറ്റീവ് ഓഫീസർ

DIRECTORATE OF ENVIRONMENT AND CLIMATE CHANGE
THIRUVANANTHAPURAM

UTILIZATION CERTIFICATE

UC for the II Year (for the project from 16 Nov., 2021 to 15 Nov., 2022)

- 1. Project Title:** Studies on effect of climatic change on the morphology, phenology and reproductive biology of some endemic ephemerals of south Western Ghats (G.O. (Rt) No. 105/2019 Env. Dated, Thiruvananthapuram 30/10/2019).
- 2. Name of the Institution:** Sanatana Dharma College, Alappuzha, Kerala
- 3. Name & Address of PI:** Dr. Jose Mathew, Assistant Professor, Sanatana Dharma College, Kalarkode, Sanathanapuram P.O., Alappuzha 688003 Email: polachirayan@yahoo.co.in
- 4. Total Amount sanctioned :** 9,37,200 INR
- 5. Amount received during the project year:**

Amount Sanctioned	: 2,23,100
Amount released	: 1,84,889/- (Rs. 38,214 is adjusted from previous year)
Letter/ Order No.	: DOECC/AEO2/CC/1679/2019 Dated 07. 02. 2022
- 6. Total Amount available (sanctioned) for expenditure during the project year:** 446000 INR
- 7. Actual Expenditure Incurred during the project year:** 390944 INR

CERTIFICATE

Certified that out of the grant in aid of Rs. 4,46,200/- approved for second year of the project, of which Rs. 1,84,889 released from the sanctioned amount of Rs. 2,23,100 during the year 2021-2022 (for the period of Nov., 16, 2021- Nov., 15, 2022) in favour of Principal Sanatana Dharma College, Alappuzha as per the order mentioned above and Rs. 38,214 on account of unspent balance of the previous year/years, and accrued interest of Rs 1,030, a sum of Rs.3,90,944 has been utilized for the purpose of form which the grant/grants was/were sanctioned and that the balance of Rs1,66,814 (advance paid by the PI) to be released at the end of the project.

N. Saraswathy

Signature of PI

Date 26.11.2022

Dr. JOSE MATHEW
Assistant Professor
Department of Post Graduate Studies &
Research in Botany
Sanatana Dharma College, Alappuzha-688 003
Mob: 9744702847



Head of the Organization

Date 26.11.2022

Dr. SARASWATHY ANTHARJANAM, M
PEN 467769
ASSOCIATE PROFESSOR IN CHARGE OF PRINCIPAL'S
DRAWING & DISBURSING OFFICE
S.D COLLEGE, ALAPPUZHA.

Signature & Seal

of Chartered Accountant

Date 26.11.2022

MANOJ KUMAR K. & ASSOCIATES
Chartered Accountants
FRN. 0110779

MANOJ KUMAR K., B.Com., FCA
M. No. 215973
Partner



To Dr. Sreekanth Varma Dept of Physics

Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00991/SPS 65/2021/KSCSTE

Dear Dr.SREEKANTH VARMA

Sub-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Organic - Inorganic Nanohybrids for Energy Applications." submitted by Dr.SREEKANTH J VARMA as PI and Gowri S Nair, Parvathy V. as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	8000
2	Minor equipments	0
3	Travel	500
4	Research Literature & Documentation	0
5	Others (for analysis)	1500
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, Sanathana Dharma College, Alappuzha, 688003

Copy to:

Dr.SREEKANTH J VARMA, Assistant Professor, Physics, Sanathana Dharma College, Alappuzha-688003
Gowri S Nair, Parvathy V student(s), Sanathana Dharma College, Alappuzha-688003

● KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY & ENVIRONMENT
An autonomous body of the
Government of Kerala

KSCSTE – Kerala Biotechnology Commission – BIRD Project- " Training Programmes on Value Addition of Aquatic Weeds"- by Dr.G.Nagendra Prabhu, Principal Investigator Centre for Research on Aquatic Resources, SD College, University of Kerala, Alleppey-688 003- Sanctioned - Orders issued.

Council (P) Order No.748/2016/KSCSTE Thiruvananthapuram, Dated: 17.11.2016

File No. 028/BIRD/KBC/2016/KSCSTE

Ref:- 1)Decision of the Expert Committee Meeting held on 03.09.2016.

ORDER

1. Kerala Biotechnology Commission is operating programmes to promote Human Resource Development as well as R&D activities in the area of Biotechnology. KBC has initiated a scheme called "Biotechnology Innovations for Rural Development"(BIRD). This scheme is to provide financial support to academic institutions and reputed NGOs/self help groups registered in Kerala to promote rural innovations for developing Biotech based products and also to popularise/promote the use of biotechnological process and tools for creating employment opportunities in rural areas.
2. Dr.G.Nagendra Prabhu, Principal Investigator, Centre for Research on Aquatic Resources, SD College, University of Kerala, Alleppey-688 003 had submitted a proposal entitled, "Training Programmes on Value Addition of Aquatic Weeds" to Kerala Biotechnology Commission for financial assistance under BIRD programme. The proposal was evaluated by a Expert Committee meeting held on 3rd September 2016. The committee has recommended the project for financial assistance.
3. As per reference 1 above, the Expert Committee meeting held on 03.09.2016 recommended that the project be sanctioned for a period of one year. Accordingly, Kerala State Council for Science, Technology and Environment (KSCSTE) is pleased to sanction financial assistance for a period of one year for the project entitled "Training Programmes on Value Addition of Aquatic Weeds" for a total cost of Rs. 5,00,000/-(Rupees Five Lakhs Only), submitted by Dr.G.Nagendra Prabhu, Principal Investigator, Centre for Research on Aquatic Resources, SD College, University of Kerala, Alleppey-688 003, under the BIRD programme of Kerala Biotechnology Commission.
4. The budget estimate of the project for a period of one year will be as detailed below (in Rupees).

Sl. No.	Item	Amount
1	Labour/ Daily Wages	70,000
2	Consumables	1,00,000
3	Training Materials	2,00,000
4	Travel	30,000
5	Contingencies	1,00,000
	Total	5,00,000

5. Sanction is accorded for the release of an amount of **Rs. 4,00,000/- (Rupees Four lakhs Only)**, ie 80% of the total cost, will be disbursed as the first instalment of grant to the **Principal, Sanatana Dharma College, Alleppey - 688 003** as a/c payee cheque for the above said purpose. The Utilization Certificate (UC) and Statement of Expenditure (SE) will be submitted on completion of project period along with project completion report.
6. The remaining portion of grant sanctioned (20% or balance amount as per SE&UC, whichever is less) will be released to the Head of the institution, only after the successful completion of the programme.
7. The expenditure will be met from the Council's budget head of account **V, Biotechnology development.**
8. The above sanction has been issued under delegated powers of the Council, vide sanction No: 719/DIR/2016-17/KSCSTE ,dated: 17.11.2016 and Council Order(M)No.64/2016/KSCSTE dated:18.03.2016


Prof.(Dr) G.M.Nair
Advisor
Kerala Biotechnology Commission

To
The Principal,
Sanatana Dharma College,
Alleppey - 688 003

Copy to:

Dr.G.Nagendra Prabhu,
Associate Professor,
P. G. Dept. of Zoology & Research Centre,
SD College, Alleppey-688 003

The Cash Section - will disburse the amount through a/c payee cheque
Co A, AO, F O - KSCSTE,
PS to Executive Vice President
PA to Member Secretary, PA to Director
Auditors File/Stock File/Office Copy


22/11/16



Kerala State Council for Science, Technology and Environment

Dr. Ajit Prabhu V.

Chief Scientist (Scientist G)

& Head (TDPMD)

KSCSTE/897/2018-RTP

01.03.2019

Sir,

Sub: - KSCSTE-Rural Technology Programme(RTP)- reg.

Ref: - i) Your proposal entitled 'Value Added Products from Water Hyacinth (Eichhornia Crassipes)'

ii) Minutes of the 23rd meeting of TC-RTP held on 30th January 2019

Kindly recall the discussions you had with the Technical Committee for Rural Technology Programme (TC-RTP) on 30th January 2019. The Committee noted that the PI aims to make value added products from water hyacinth which is a grave menace to the water bodies of Kerala. It was observed that the proposal has the potential for rural women entrepreneurship/employment. The manpower as proposed is not acceptable and the Committee recommended to utilise the in-house manpower. However, since skilled labour is required, skilled labour charge is recommended.

Based on the proposal and discussions held during TC-RTP, the Committee made the following recommendation

- The Committee recommended to support the project proposal under the following budget heads.

Sl. No.	Item	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 (specify if any) (Testing charges for briquettes, dyed materials and pulp products)	75,000/-
6.	Institutional Overhead	25,000/-
Total		3,00,000/-

- The optimum design of particle boards and other products should be engineered properly in collaboration with an engineering college, preferably College of Engineering Trivandrum and do all qualification tests and get necessary certificates.
- The duration of the project shall be 2 years.
- Initially Rs.1,37,500/- (50% of Budget Heads excluding Institutional Overhead), may be released as the first instalment and balance amount will be released only after evaluating the progress of the project.

If the above is acceptable, you may kindly execute the Terms and Conditions (enclosed herewith) in a non-judicial stamp paper worth Rs. 100/- counter signed by the Head of the Institution. I request you to kindly ensure that the PI, Co-PI and Head of the Institution have signed in all the papers of the agreement on Terms and Conditions. You are also requested to abide by the recommendations of the Committee.

Thanking you,

Yours Sincerely

Dr. Ajit Prabhu V.

Dr. G. Nagendra Prabhu, Centre for Research on Aquatic Resource, P.G. Department of Zoology & Research Centre, S.D. College, University of Kerala, Alappuzha – 688003.

Sasthra Bhavan, Pattom P.O, Thiruvananthapuram - 695 004, Kerala State, India
Tel: 0471- 2548252, 2543234, 2548211. Fax : 0471-2543234 e-mail : to.drprabhu@gmail.com

Website : www.kscste.kerala.gov.in



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, dt01.03.2019
 (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

Sl 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 braquettes, dyed materials and map products)	75,000/-
6	Institutional Overhead	25,000/-

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

For the purposes of the Legal Writings (Counterparts and Delivery) (Scotland) Act 2015, this Collaboration Agreement ('Agreement') is dated for reference 21st June, 2021.

COLLABORATION AGREEMENT

between

UNIVERSITY OF STIRLING, a university established in Scotland by charter dated 14th December 1967 and registered as a charity in Scotland with registration number SC011159 and having its main administrative offices at Stirling, FK9 4LA ("**Lead Collaborator**"); and

UNIVERSITY OF STRATHCLYDE, incorporated by Royal Charter in 1964, a charitable body registered in Scotland with registration number SC015263 and having its Principal Office at 16 Richmond Street, Glasgow, G1 1XQ ("**Strathclyde**"); and

NATIONAL INSTITUTE OF PLANT HEALTH MANAGEMENT, registered as an Autonomous Society under the Ministry of Agriculture, Govt. of India, in the Office of the Registrar of Societies, Rangareddy District, Hyderabad, Andhra Pradesh on 24th October, 2008 with Registration No. 1444 of 2008 under the Andhra Pradesh Societies Registration Act, 2001 (Act No.35 of 2001) and having its Principal Office at Rajendranagar, Hyderabad - 500 030, Telangana, India ("**NIPMH**"); and

INTERNATIONAL CROPS RESEARCH INSTITUTE FOR THE SEMI-ARID TROPICS, a CGIAR Research Center, is a non-profit, non-political International Organization with privileges and immunities of the United Nations (Privileges and Immunities) Act, 1947, extended through Extraordinary Gazette Notification No. UI/222(66)/71 dated 28 October 1972, issued by the Ministry of External Affairs, Government of India and having its Principal Office at Patancheru - 502 324, Telangana, India ("**ICRISAT**"); and

SANATANA DHARMA COLLEGE, UNIVERSITY OF KERALA established in 1946 and affiliated to the University of Kerala and recognized by UGC, Government of India under 2(f) and 12 (B) and having its Principal Office at Kanyakumari - Panvel Road, Sanathanapuram, Alappuzha - 688 003, Kerala, India ("**S. D. College Kerala**")

(together the "**Parties**" and each individually a "**Party**").

BACKGROUND

- (A) The Parties submitted a collaborative proposal for funding to the Royal Academy of Engineering (the "**Proposal**"), a copy of which is attached hereto as Part 1 of the Schedule, to support the project entitled: "**Multimodal Data Analysis for Monitoring Invasive Aquatic Weeds in India**" (the "**Project**").
- (B) The Royal Academy of Engineering ("**Funder**") has accepted the Proposal and entered into a research contract dated March 10, 2020 with the Lead Collaborator to carry out the Project, a copy of which is set out at Part 2 of the Schedule (the "**Main Contract**").
- (C) The total amount awarded to the Project by the Funder amounts to **TWO HUNDRED and NINETY-NINE THOUSAND, NINE HUNDRED and SIX POUNDS, FORTY-SIX PENCE (£299,906.46)** payable in accordance with the terms of the Main Contract (the "**Award**").
- (D) The Parties now wish to define their rights and obligations with respect to the carrying out of the Project as follows.

TERMS AND CONDITIONS

It is hereby agreed as follows:

1. Definitions

1.1. The words and phrases below shall have the following meanings:

Agreement	means this collaboration agreement and the Schedule in four Parts annexed hereto and forming part of this Agreement.
Background Intellectual Property	means any Intellectual Property excluding Results owned or controlled by any Party prior to commencement of or developed independently from the Project, and which the owning Party contributes or uses in the course of performing the Project.
Data Protection Legislation	means while it remains in force and applicable the General Data Protection Regulation (GDPR), the <i>Data Protection Act 2018</i> and any other laws and regulations relating to the processing of personal data and privacy which apply to a Party and, if applicable, any binding codes of practice issued by the relevant data protection, supervisory authority or regulatory authority.
Funder	means The Royal Academy of Engineering (RAEng)
Budget	means the Budget attached as Schedule 3, which sets out the funding contribution from the Funder for the Project.
Intellectual Property	means intellectual property of any description including but not limited to all inventions, designs, information, specifications, formulae, improvements, discoveries, know-how, data, processes, methods, techniques and the intellectual property rights therein, including but not limited to, patents, copyrights, database rights, design rights (registered and unregistered), and applications for any of the above.
Joint Results	means Results generated or created by more than one Party.
Representatives	means the employees, subcontractors, directors, officers and authorised agents of a Party
Results	means any Intellectual Property which is generated or first reduced to practice by any Party or Parties directly as a result of the work undertaken in accordance with this Agreement and excludes Background Intellectual Property.
Variation	means the additional provisions set out in Part 4 of the Schedule.

2. Duration

2.1. Unless terminated earlier in accordance with its terms, this Agreement shall commence on 13 March 2020 and shall continue in full force and effect until the later of 30 April 2023 and completion of the Project in terms of this Agreement.

3. Scope of Obligations

3.1. The Parties shall undertake their respective obligations as described in the Proposal and supplemented by the Variation in Part 4 of the Schedule, all in accordance with this Agreement.

The Parties respectively undertake to use all reasonable endeavours to perform these obligations timeously and professionally.

- 3.2. The Parties shall co-operate to ensure the efficient management of the Project, in particular, the Parties shall each provide the Lead Collaborator with the information reasonably necessary for the Lead Collaborator to carry out its duties under the Main Contract.
- 3.3. The work outlined in the Proposal and Variation may be amended, in response to changed circumstance or priorities, only by written agreement signed by all of the Parties, and with the written agreement of the Funder, where appropriate.

4. Precedence

- 4.1. In the event of any conflict between the terms of this Agreement and the Main Contract, then the terms of the Main Contract will prevail.
- 4.2. The Parties acknowledge and undertake that they will use all reasonable endeavours to observe and perform such terms and obligations of the Main Contract as are applicable to them.

5. Financial Matters

- 5.1. Although the Parties will receive funding from the Funder towards the cost of the Project, each Party agrees that unless otherwise agreed in writing, it is responsible for any additional unfunded costs that it may incur in carrying out its obligations in relation to the Project.
- 5.2. The budget allocation to each of the Parties is set out in Schedule 3.
- 5.3. All Parties shall maintain full and accurate financial records relating to its expenditure in connection with the Project and shall provide copies of all such records to the Lead Collaborator and Funder upon request.
- 5.4. The Lead Collaborator, as the main administrator of the Project, shall maintain full records of all income received from the Funder under the Main Contract and consequently disbursed. The Lead Collaborator shall be responsible for preparing all financial reports due to the Funder, and the other Parties shall provide all information relating to their expenditure pursuant to the Project as is necessary to enable the Lead Collaborator to comply with any accounting obligations owed to the Funder under the Main Contract.
- 5.5. The Lead Collaborator shall pass on to each Party their respective proportion (as detailed in Schedule 3) of funds received from the Funder under the Main Contract as soon as reasonably practicable, and in any event within thirty (30) days of receipt of quarterly invoices from the relevant Party. In the event that the Funder requires the reimbursement by the Lead Collaborator of any sums paid under this Agreement, then to the extent that such requirement arises from the acts or omissions of another Party, that Party hereby agrees to reimburse the Lead Collaborator for the sum received by the Party which it is required to reimburse together with any interest charged thereon.
- 5.6. Where the Main Contract stipulates that funding is payable upon completion of specific deliverables, the Lead Collaborator may withhold payment of any funding payable to a Party if the Lead Collaborator has not received the Project deliverables as per the agreed work plan and schedule. The Lead Collaborator will be entitled to withhold payment until the deliverables have been completed in accordance with the work plan and Proposal and any Variation.
- 5.7. The Lead Party shall ensure compliance with the Main Contract to the extent of any financial and other obligations imposed upon it under the Main Contract, and each of the other Parties shall take reasonable steps to ensure that it does not place the Lead Collaborator in breach of the Main Contract. Each Party shall comply with any request by the Lead Collaborator for reports and

● **KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY & ENVIRONMENT**
An autonomous body of the
Government of Kerala

KSCSTE – Kerala Biotechnology Commission – BIRD Project- " Training Programmes on Value Addition of Aquatic Weeds"- by Dr.G.Nagendra Prabhu, Principal Investigator Centre for Research on Aquatic Resources, SD College, University of Kerala, Alleppey-688 003– Sanctioned - Orders issued.

Council (P) Order No.748/2016/KSCSTE Thiruvananthapuram, Dated: 17.11.2016

File No. 028/BIRD/KBC/2016/KSCSTE

Ref:- 1)Decision of the Expert Committee Meeting held on 03.09.2016.


ORDER

1. Kerala Biotechnology Commission is operating programmes to promote Human Resource Development as well as R&D activities in the area of Biotechnology. KBC has initiated a scheme called "Biotechnology Innovations for Rural Development"(BIRD). This scheme is to provide financial support to academic institutions and reputed NGOs/self help groups registered in Kerala to promote rural innovations for developing Biotech based products and also to popularise/promote the use of biotechnological process and tools for creating employment opportunities in rural areas.
2. Dr.G.Nagendra Prabhu, Principal Investigator, Centre for Research on Aquatic Resources, SD College, University of Kerala, Alleppey-688 003 had submitted a proposal entitled, "Training Programmes on Value Addition of Aquatic Weeds" to Kerala Biotechnology Commission for financial assistance under BIRD programme. The proposal was evaluated by a Expert Committee meeting held on 3rd September 2016. The committee has recommended the project for financial assistance.
3. As per reference 1 above, the Expert Committee meeting held on 03.09.2016 recommended that the project be sanctioned for a period of one year. Accordingly, Kerala State Council for Science, Technology and Environment (KSCSTE) is pleased to sanction financial assistance for a period of one year for the project entitled "Training Programmes on Value Addition of Aquatic Weeds" for a total cost of Rs. 5,00,000/- (Rupees Five Lakhs Only), submitted by Dr.G.Nagendra Prabhu, Principal Investigator, Centre for Research on Aquatic Resources, SD College, University of Kerala, Alleppey-688 003, under the BIRD programme of Kerala Biotechnology Commission.
4. The budget estimate of the project for a period of one year will be as detailed below (in Rupees).

Sl. No.	Item	Amount
1	Labour/ Daily Wages	70,000
2	Consumables	1,00,000
3	Training Materials	2,00,000
4	Travel	30,000
5	Contingencies	1,00,000
	Total	5,00,000

P.T.O

5. Sanction is accorded for the release of an amount of **Rs. 4,00,000/- (Rupees Four lakhs Only)**, ie 80% of the total cost, will be disbursed as the first instalment of grant to the **Principal, Sanatana Dharma College, Alleppey - 688 003** as a/c payee cheque for the above said purpose. The Utilization Certificate (UC) and Statement of Expenditure (SE) will be submitted on completion of project period along with project completion report.
6. The remaining portion of grant sanctioned (20% or balance amount as per SE&UC, whichever is less) will be released to the Head of the institution, only after the successful completion of the programme.
7. The expenditure will be met from the Council's budget head of account **V. Biotechnology development.**
8. The above sanction has been issued under delegated powers of the Council, vide sanction No: 719/DIR/2016-17/KSCSTE ,dated: 17.11.2016 and Council Order(M)No.64/2016/KSCSTE dated:18.03.2016


Prof.(Dr) G.M.Nair
Advisor

Kerala Biotechnology Commission

To
The Principal,
Sanatana Dharma College,
Alleppey - 688 003

Copy to:
Dr.G.Nagendra Prabhu,
Associate Professor,
P. G. Dept. of Zoology & Research Centre,
SD College, Alleppey-688 003

The Cash Section - will disburse the amount through a/c payee cheque
Co A, AO, F O - KSCSTE,
PS to Executive Vice President
PA to Member Secretary, PA to Director
Auditors File/Stock File/Office Copy


22/11/16