



6.4.1 : Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government / nongovernment organization) and it conducts financial audits regularly (internal and external)

SANCTION ORDERS OF PROJECTS

CRITERION : 6

**GOVERNANCE, LEADERSHIP
AND MANAGEMENT**

FILE NO. SSY/2019/000780
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(a statutory body of the Department of Science & Technology, government of India)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 30-Sep-2019

ORDER

Subject: Financial assistance for the organizing National Seminar on "National Seminar on Advanced Materials For Energy(NSAME-2019)" by **Ms. Anju Joseph, St.Thomas College,Ranni , Pazhavangadi P.o,Ranni, Pathanamthitta, Kerala-689673** being held from 28-Nov-2019 to 29-Nov-2019 (2 days).

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 50000/- (Rs. Fifty Thousand Only) to St.Thomas College,Ranni , Pazhavangadi P.o,Ranni, Pathanamthitta, Kerala-689673 during the financial year 2019-2020 to meet the expenses related to TA/DA to Young and Senior Indian Scientists, Pre-conference printing in connection with the above event.

2. The amount of **Rs. 50000/- (Rs. Fifty Thousand Only)** will be drawn by Under Secretary, SERB and disbursed by the means of Cheque or Electronic Fund Transfer (NEFT/RTGS) as beneficiary's Bank Details given below.

PFMS Unique Code	KLPT00002065
Account Name	Principal St Thomas College Ranni
Account Number	57030046265
Bank Name & Branch	State Bank of india State Bank of india,ThottamonRanni
IFSC/RTGS Code	SBIN0070345
Email id of A/C Holder	stcranni@gmail.com
Email id of PI	anjudiluabraham@gmail.com

to Principal, St.Thomas College,Ranni, Pazhavangadi P.O,Ranni

3. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)**
This release is being made under Seminar/Symposia. (Internal Committee)

4. The Sanction has been issued with the approval of competent authority under delegated powers and vide sanction number to St.Thomas College,Ranni, Pazhavangadi P.O,Ranni with the approval of the competent authority under delegated powers on **24 September, 2019** and vide Diary No. **SERB/F/5085/2019-2020** dated **25 September, 2019**

5. As per Rule 211(1) of GFRs, the accounts of the Grantee Institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so.

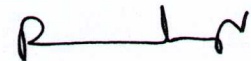
6. It is **mandatory** that the grantee institution is required to submit to this office, audited Statement of Income-Expenditure, Utilization Certificate (in duplicate as per prescribed format) and brief report of above event (max. 04 pages) within three months after the date of completion. .

7. The balance amount, if any, may be returned through DD in favor of "Fund for Science & Engineering Research" payable at New Delhi.

8. The Organization/Institute/University should ensure that the technical support/financial assistance provided to them by the Science and Engineering Research Board, a statutory body of the Department of Science and Technology (DST), Government of India should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

9. In addition, the investigator / host Institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science and Engineering Research Board, a statutory body of the Department of Science and Technology (DST), Government of India.

10. The logo of SERB is to be displayed on all Conferences / Seminars / Symposium material being used for the event.



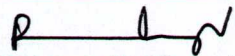
(Dr. Ramesh Vijayan)
Scientist C

seminar.symposia@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB , New Delhi.
3.	File Copy
4.	Ms. Anju joseph Department of Physics St.Thomas College,Ranni , Pazhavangadi p.o,Ranni, Pathanamthitta, Kerala-689673 Email: anjudiluabraham@gmail.com Mobile: 919496211790 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	Principal, St.Thomas College,Ranni, Pazhavangadi P.O,Ranni (Receipt of Grant may be intimated by name to the undersigned)



(Dr. Ramesh Vijayan)
Scientist C

seminar.symposia@serb.gov.in

DST/WOS-B/AFE-12/2021(G)
Government of India
Ministry of Science & Technology
Department of Science & Technology
(WISE-KIRAN Division)

Technology Bhawan,
New Mehrauli Road
New Delhi - 110016
Dated: 17.09.2021

ORDER

Sub: Financial approval of **WOS-B** project proposal entitled "Estimation of carbon sequestration potential trees in Ranni range of Pathanamthitta District, Kerala" for the duration of 36 months.

PI: Dr. Asha Saji, St. Thomas college, Pathanamthitta, Kerala-689673.

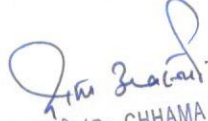
Sanction of the President is hereby accorded to the above-mentioned project at a total cost of Rs. **31,26,591/- (Rupees Thirty-one Lakh Twenty-Six Thousand Five Hundred Ninety-One only)** to St. Thomas college, Pathanamthitta, Kerala for a duration **36** months. The detailed breakup of the grant towards General Components and Capital Assets are given below:

General Component: Rs. 28,81,400/-
Capital Component: Rs. 2,45,191/-
Total : Rs. 31,26,591/-

Detailed breakup of the total grant towards above WOS-B project for **36** months duration is given below:

Sl. No.	Heads	1st Year (Rs.)	2nd Year (Rs.)	3rd Year (Rs.)	Total (Rs.)
A.	Non-Recurring (Capital Items)				
	Equipment Cost	2,45,191	-----	-----	2,45,191
B.	Recurring (REC)(General)				
	Recurring -I	6,60,000	6,60,000	6,60,000	19,80,000
	a. Fellowship @ Rs 55,000/- p.m. for 36 months				
	b. HRA @8%	52,800	52,800	52,800	1,58,400
	c. Manpower	96,000	96,000	96,000	96,000
	Recurring -II (Consumables, Other Costs and Travel)	1,30,000	65,000	65,000	2,60,000
	Recurring -III (Contingencies)	25,000	25,000	25,000	75,000
C.	Recurring -IV (Overhead)	50,000	40,000	30,000	1,20,000
D.	Total of Recurring Grant (B+C)	10,13,800	9,38,800	9,28,800	28,81,400
E.	GRAND TOTAL (A+D)	12,58,991	9,38,800	9,28,800	31,26,591

2. While providing operational flexibility amount various sub-heads under head Recurring-II, it should be ensured that not more than Rs. 75,000/- should be spent for Travel in 3 years.


डॉ. सहा अवस्थी / Dr. CHHAMA AWASTHI
वैज्ञानिक 'सी' / Scientist 'C'
विज्ञान और प्रौद्योगिकी विभाग
DEPTT. OF SCIENCE & TECHNOLOGY
भारत सरकार / Govt. of India
नई दिल्ली-110016 / New Delhi-110016

3. The sanction of the President is also accorded to the release of **Rs.10,13,800/- (Rupees Ten Lakh Thirteen Thousand Eight Hundred only)** under 'General component' and **Rs. 2,45,191/- (Rupees Two Lakh Forty-Five Thousand One Hundred Ninety-one only)** under Capital Assets as the first installment of grant for implementation of the above-mentioned project.

4. The amount of **Rs. 10,13,800/- (Rupees Ten Lakh Thirteen Thousand Eight Hundred only)** will be drawn by the Drawing and Disbursing Officer, Department of Science and technology (DST) and will be disbursed to Director, St. Thomas college, Pathanamthitta, Kerala-689673 through RTGS for account details as given below:

Institution Account Name	St. Thomas college, Pathanamthitta, Kerala-689673.
Saving Bank Account Number	2319101053652
Name of Bank	CANARA BANK
Branch Name	RANNI
RTGS/IFSC Code	CNRB0002319

5. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned/ accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

6. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal and UC id number should be intimated to us besides sending it in physical form to this Division. The subsequent/ final installment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

7. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE&UC has to be furnished for the released Capital head grant.

8. The grant-in-aid being released is subject to the condition that:

(a) As per Rule 149 of GFR, 2017, the Goods (consumables/equipment) available in GeM portal are to be procured mandatorily online through GeM only.

(b) While submitting Utilization Certificate & Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.

(c) "Grantee organization is advised to start using EAT module and next release will be made only after mapping and following EAT modules by the grantee organization."

9. As per General Financial Rules (GFR) 2017, the grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest-bearing bank account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings, against released Grant shall be **remitted to Consolidated Fund of India (CFI)(through Non-Tax Receipt Portal (NTRP)) i.e.www.bharatkosh.gov.in)**, immediately after finalization of accounts of each financial year as it shall not be adjusted towards future release of Grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure/Utilization Certificate for considering subsequent release of Grant/Closure of project accounts.

10. (a) **DST reserves sole rights on the assets out of grants.** Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or

Dr. CHHAMA AWASTHI
विज्ञान और प्रौद्योगिकी
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condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.

(b) DST reserves rights to close the project activity any time based on the review of progress of the project.

(c) A prior intimation to DST by grantee is must before leaving the country for attending conference/availing any short-term fellowship abroad during the project tenure.

11. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C & AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

12. **Due acknowledgment** of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

13. Failure to comply with the terms and condition of the Bond (if applicable) will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

14. **The targeted deliverables along with the timelines as proposed in the project are annexed herewith. The subsequent releases will be made on the basis of "Targets Vs Achievement".**

15. The expenditure involved is dubitable to Demand No.88, Department of Science & Technology for the year 2021-22:

3425 Other Scientific Research (Major Head)
60 Others (Sub-Major Head)
60.200 Assistance to other Scientific Bodies (Minor Head)
68 Science and Technology Institutional and Human Capacity Building (Sub Head)
01 Disha Programme for Women in Science
68.01.31 **Grants-in-aid General for the year 2021-22 (Voted)**
(Previous: Disha Programme for Women in Science 3425.60.200.55.01.31)

16. As per rule 234 of GFR, this sanction has been entered in the register maintained by the WISE-KIRAN Division (Disha Programme for Women in Science) for the Grant-in-aid sanctions and a serial no assigned in the register for this sanction is 317.

17. This issues with the concurrence of IFD of DST vide the concurrence Dy.
No.100/IFD/1992 /2021-22 dated- 15.09.2021.

To

The Pay and Accounts Officer
Department of Science & Technology
New Delhi.

(Chhama Awasthi)

Scientist 'C'
डॉ. क्षमा अवस्थी / Dr. CHHAMA AWASTHI
वैज्ञानिक 'सी' / Scientist 'C'
विज्ञान और प्रौद्योगिकी विभाग
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2. PAO, DST, New Delhi.
3. Director of Audit (CW&M-II), Indraprastha Estate, AGCR Building, New Delhi - 110002.
4. Director, St. Thomas college, Pathanamthitta, Kerala-689673.
5. Dr. Francis Mathew, Assistant Professor, Department of Botany, St. Thomas college, Pathanamthitta, Kerala-689673. (Mentor)
6. Dr. Asha Saji, St. Thomas college, Pathanamthitta, Kerala-689673.
7. Sanction Folder
8. WISE-KIRAN Secretariat/Head, WISE-KIRAN Division.

(Chhama Awasthi)

Scientist 'C'
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DST/WOS-B/AFE-12/2021(C)
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ORDER

Sub: Financial approval of WOS-B project proposal entitled "Estimation of carbon sequestration potential trees in Ranni range of Pathanamthitta District, Kerala" for the duration of 36 months.

PI: Dr. Asha Saji, St. Thomas college, Pathanamthitta, Kerala-689673.

In continuation of the Sanction Order No. DST/WOS-B/AFE-12/2021(G) dated-17.09.2021 Sanction of the President is hereby accorded to the payment of **Rs. 2,45,191/- (Rupees Two Lakh Forty-Five Thousand One Hundred Ninety-one only)** to St. Thomas college, Pathanamthitta, Kerala as the grant for "Creation of Capital Assets" for the implementation of the above mentioned WOS-B project. The details of the equipment(s) to be procured are given below:

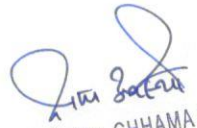
S.No.	Heads	Budget (In Rupees)
A.	Non-Recurring (Capital Item)	2,45,191/-
	Equipment Cost	
	-(Weighing Balance, Hot air oven, Increment wood borer (2 nos), GPS, SLR Digital camera, Binocular)	
	Total	2,45,191/- (Restricted)

2. The amount of **Rs.2,45,191/- (Rupees Two Lakh Forty-Five Thousand One Hundred Ninety-one only)** will be drawn by Drawing and Disbursing Officer, Department of Science & Technology and will be disbursed to The **Director**, St. Thomas college, Pathanamthitta, Kerala-689673. The bank account details for electronic transfer of fund through RTGS are given below:

Institution Account Name	St. Thomas college, Pathanamthitta, Kerala-689673.
Saving Bank Account Number	2319101053652
Name of Bank	CANARA BANK
Branch Name	RANNI
RTGS/IFSC Code	CNRB0002319

3. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned/ accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

4. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal and UC id number should be intimated to us besides sending it in physical form to this Division. The subsequent/ final installment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.


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5. If the grant has been released under 'Capital' Head through separate sanction order under the same project for purpose of equipment(s) separate SE/UC has to be furnished for the released Capital Head grant.

6. The grant-in-aid being released is subject to condition that-

(a) **As per Rule 149 of GFR, 2017, the Goods (consumables/equipment) available in GeM portal are to be procured mandatorily online through GeM only.**

(b) while submitting UC/SE, the organization has to ensure submission of supporting documentary evidence with regard to purchase of the equipment/capital assets as per the provisions of GFR 2017. Subsequent grants under the project shall be made only on receipt of the said documents.

(c) **"Grantee organization is advised to start using EAT module and next release will be made only after mapping and following EAT modules by the grantee organization."**

7. As per General Financial Rules (GFR) 2017, the grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings, against released Grant shall be **remitted to Consolidated Fund of India (CFI)(through Non-Tax Receipt Portal (NTRP)) i.e. www.bharatkosh.gov.in**, immediately after finalization of accounts of each financial year as it shall not be adjusted towards future release of Grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure/Utilization Certificate for considering subsequent release of Grant/Closure of project accounts.

8. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.

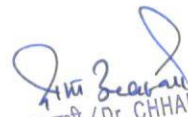
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10. **Capital grant should be utilized within one year from the date of project sanctioned otherwise amount has to be refunded to DST.**

11. **The expenditure involved is debit to Demand No.88 – Department of Science & Technology for the year 2021-22.**

3425 Other Scientific Research (Major Head)
60 Others (Sub-Major Head)
60.200 Assistance to Other Scientific Bodies (Minor Head)
68 Science and Technology Institutional and Human Capacity Building (Sub Head)
01 Disha Programme for Women in Science
68.01.35 **Grant for creation of Capital assets for the year 2021-22 (Voted)**
(Previous: Disha Programme for Women in Science 3425.60.200.55.01.35.)

12. As per rule 234 of GFR, this sanction has been entered in the register maintained by the WISE-KIRAN Division (Disha Programme for Women in Science) for the Grant-in-aid sanctions and a serial no assigned in the register for this sanction is 317.


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13. This issues with the concurrence of IFD of DST vide the concurrence Dy.
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(Chhama Awasthi)

To

The Pay and Accounts Officer
Department of Science and Technology
New Delhi – 110016

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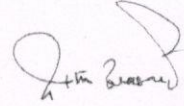

(Chhama Awasthi)

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DST/WOS-B/AFF-12/2021
Government of India
Ministry of Science and Technology
Department of Science and Technology
Annexure

Targeted Objectives/Deliverables along with the its timelines to achieve the same.

Sl. No.	Objective/Target	Proposed time period to achieve the given objective (months)
1.	Establishment of permanent plots in the selected areas of Ranni range of Pathanamthitta District, Kerala for monitoring tree growth and carbon sequestration.	1-12
	A. Selection of study area and mark permanent plots (10m x 10m workable sub-plots for tree inventories)	
	B. First tree survey in study area (Estimation of above and belowground biomass of trees)	
2.	Estimation of stored biomass of trees in selected forest areas.	12-24
3.	Assessment of carbon sequestration potential of forest trees in the study area.	
	C. Survey 2 in permanent plots (Estimation of above and belowground biomass of trees)	
	D. Identification of potential carbon sequestering species.	24-36
4.	Identification of suitable tree species for future plantation in Ranni range of Pathanamthitta District, Kerala.	
	E. Confirm the results with survey in study site	
	F. Evaluation of best tree species for the afforestation program	
	G. Final report submission	


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LIST OF INSTITUTIONS SELECTED FOR OZONE DAY CELEBRATIONS-2019			
No	Application No	Name of Institution	Recommended Budget (Rs)
R&D Institutions & University Departments			
1.	OD/2019-133	Dept. of Environmental Sciences, University of Kerala, Kariavattom, Thiruvananthapuram	13,000/-
2.	OD/2019-190	Department of Education University of Kerala, Palayam, Thiruvananthapuram	12,000/-
3.	OD/2019-150	Integrated Rural Technology Centre, Mundur, Palakkad	12,000/-
Professional Colleges			
4.	OD/2019-20	College of Engineering, Kalloopapara, Kadamankulam, Thiruvalla, Pathanamthitta	12,000/-
5.	OD/2019-67	Rajiv Gandhi Institute of Technology (Govt. Engineering College) Kottayam	12,000/-
6.	OD/2019-79	Govt. Engineering College, Thalappuzha, Wayand	15,000/-* (2days)
7.	OD/2019-83	College of Engineering, Chengannur, Alappuzha	11,000/-
Colleges- Govt			
8.	OD/2019-8	Government Arts and Science College, Santhanpara, Idukki	13,000/-
9.	OD/2019-12	Maharaja's College, Ernakulam	9,000/-
10.	OD/2019-81	Govt. College for Women, Vazhuthacaud, Thiruvananthapuram	14,000/-* (2 days)
11.	OD/2019-200	Government College, Nattakam, Kottayam	12,000/-
Colleges- Aided			
12.	OD/2019-9	BCM College, Kottayam	9,500/-
13.	OD/2019-24	MES Mampad College, Malappuram	11,000/-
14.	OD/2019-28	Sree Narayana Guru College, Chelannur, Kozhikode	10,000/-
15.	OD/2019-34	Sree Narayana College, Nattika, Thrissur	11,000/-
16.	OD/2019-45	Milad-E-Sherief Memorial College, Kayamkulam, Alappuzha	13,000/-
17.	OD/2019-47	Sree Narayana College, Thottada, Kannur	10,000/-
18.	OD/2019-53	MES Asmabi College, Kodungallur, Thrissur	10,000/-
19.	OD/2019-55	Principal, VTM NSS College, Dhanuvachapuram, Thiruvananthapuram	10,000/-
20.	OD/2019-149	Iqbal College, Peringammala, Thiruvananthapuram	13,000/-
21.	OD/2019-59	MES Ponnani College, South Ponnani, Malappuram	11,000/-
22.	OD/2019-64	Henry Baker College, Melukavu, Kottayam	10,000/-
23.	OD/2019-75	St. Thomas College, Ranni, Pathanamthitta	10,000/-
24.	OD/2019-270	St Pauls College, Kalamassery,	10,000/-
25.	OD/2019-78	NSS College, Manjeri, Malappuram	9,500/-
26.	OD/2019-80	NSS College, Nemmara, Palakkad	11,000/-
27.	OD/2019-93	Payyanur College, Payyanur, Kannur	10,000/-
28.	OD/2019-94	MES College, Nedumkandam, Idukki	11,000/-
29.	OD/2019-95	KE College Mannanam, Kottayam	11,000/-
30.	OD/2019-106	Sree Kerala Varma College, Thrissur	10,000/-
31.	OD/2019-116	NSS Training College, Changanacherry Kottayam	9,000/-
32.	OD/2019-123	Bishop Abraham Memmorial College, Thuruthicad, Thiruvalla, Pathanamthitta	9,500/-

33.	OD/2019-125	Newman College, Thodupuzha, Idukki	11,000/-
34.	OD/2019-129	St. Thomas College, Thrissur	10,500/-
35.	OD/2019-132	St. Xavier's College, Thumba, Thiruvananthapuram	8,500/-
36.	OD/2019-134	Sree Narayana Arts and Science College, Kumarakom, Kottayam	11,000/-
37.	OD/2019-144	Carmel College, Mala	15,000/-* (2 days)
38.	OD/2019-159	Sacred Heart College, Thevara, Ernakulam	10,000/-
39.	OD/2019-170	St Aloysius College, Elthuruth PO, Thrissur	11,000/-
40.	OD/2019-173	St Aloysius College, Edathua, Alappuzha	7,000/-
41.	OD/2019-175	Kurikose Gregorios College, Pampady, Kottayam	10,000/-
42.	OD/2019-194	E.M.E.A College of Arts and Science, Kumminiparamba, Malappuram	11,000/-
43.	OD/2019-198	N.A.M. College, Kallikkandy, Kallikkandy, Kannur	10,000/-
44.	OD/2019-216	Mahathma Gandhi College, Thiruvananthapuram	10,000/-
45.	OD/2019-220	Devasom Board College, Thalayolaparambu, Kottayam	10,000/-
46.	OD/2019-222	Sree Krishna College, Guruvayur, Thrissur	9,000/-
47.	OD/2019-229	Mannam Memorial College, Kottiyam, Kollam	9,000/-
48.	OD/2019-233	Sree Narayana College, Kollam	10,000/-
49.	OD/2019-248	Mar Athanasious College, Kothamangalam	10,000/-
50.	OD/2019-249	Principal In charge, Pavanatma College, Idukki, Murickassery	9,000/-
51.	OD/2019-264	Catholicate College, Pathanamthitta	9,000/-
52.	OD/2019-268	Mar Ivanious College, Thiruvananthapuram	10,000/-
Polytechnic Colleges Govt/Aided			
53.	OD/2019-35	Swami Nithyananda Polytechnic College, Kanhangad, Kasaragod	8,000/-
54.	OD/2019-161	Govt Polytechnic College, Chelad Kothamangalam, Ernakulam	9,500/-
55.	OD/2019-207	Govt Polytechnic, Muttom, Thodupuzha, Idukki	10,000/-
Schools -Govt			
56.	OD/2019-5	Govt UPS, Parackal, Aliyadu PO, Venjaramoodu, Thiruvananthapuram	8,000/-
57.	OD/2019-27	Jawahar Navodaya Vidyalaya, Lakkidi PO, Vythiri, Wayanad	9,000/-**
58.	OD/2019-33	Headmaster, Govt. Model UP School, Nilambur, Malappuram	8,000/-
59.	OD/2019-82	GHSS Perassannur-11162, Malappuram	9,000/-
60.	OD/2019-84	GHSS, Kanniakulangara, Vembayam	6,000/-
61.	OD/2019-89	Govt UP School, Padinjattinkara, Kottarakkara, Kollam	8,500/-
62.	OD/2019-160	GHSS Pattikkad, Malappuram	8,000/-
63.	OD/2019-177	Govt V&HSS, Vattiyoorkavu, Thiruvananthapuram	9,600/-
64.	OD/2019-143	Govt UPS Thengumcode, Thiruvananthapuram	7,500/-
65.	OD/2019-183	Govt HS Kuppadi, Wayanad	9,000/-
66.	OD/2019-19	Govt Technical High School, Kuttippuram 19502	8,000/-
67.	OD/2019-203	GHSS, Kattilangadi, Tanur, Malappuram	7,600/-
68.	OD/2019-205	Govt HSS, Puthoor, Kollam	9,000/-
69.	OD/2019-231	Govt UPS Puthichal, Plavila, Thannimodu,	8,500/-

		Thiruvananthapuram	
70.	OD/2019-232	Govt HSS, Mavoor, Kanniparamba, Kozhikode	8,000/-
71.	OD/2019-243	GVHSS, Cheruvannur, Kolathara, Kozhikode	7,000/-
72.	OD/2019-250	AKS GHSS, Malappattam, Kannur	8,000/-
73.	OD/2019-263	Govt UPS Kuzhivila, Karimanal, Thiruvananthapuram	7,500/-
74.	OD/2019-269	GHSS Kummil, Kadakkal, Kollam	8000/-
Schools -Aided			
75.	OD/2019-54	Infant Jesus BCH School, Manarcaud, Kottayam	9,000/-
76.	OD/2019-102	Palora HSS, Ulliyeri, Kozhikode	7,000/-
77.	OD/2019-105	St Joseph High School, Chemanoda, Kozhikode	8,000/-
78.	OD/2019-109	AV Higher Secondary School, Ponnani, Malappuram	8,000/-
79.	OD/2019-124	Thiruvangoor HSS, Kozhikode	7,500/-
80.	OD/2019-126	NVUP School, Vayala, Anchal, Kollam	7,000/-
81.	OD/2019-145	National Higher Secondary School, Kolathur, Malappuram	8,000/-
82.	OD/2019-182	VHSS Karalam, Thrissur	7,000/-
83.	OD/2019-227	AKHMUP School, Chathrathody, Parambilpeedika, Malappuram	8,000/-
84.	OD/2019-254	Maryland High School, Madampam, Kannur	6,500/-

(By approval)

- * to conduct programmes for two days within the recommended budget according to KSCSTE-provisional sanction letter
- all other institutions to conduct the programmes for only one day within the recommended budget according to KSCSTE-provisional sanction letter
- ** to conduct the programmes according to KSCSTE- provisional sanction letter

UTILIZATION CERTIFICATE**KSCSTE- OZONE DAY CELEBRATIONS -2019**

Title of Programme: 'Let's protect our ozone layer for a better tomorrow'

Date of Programme Conducted/Organized: 16.09.2019

Venue: Seminar Hall, St. Thomas College, Ranni

KSCSTE-FileNo: KSCSTE/1818/2019- E&E/OD

Certified that out of Rs. 10,000/- sanctioned by Kerala State Council for Science, Technology and Environment as per Provisional Sanction Letter No. KSCSTE/1818/2019 dated 21st August 2019, towards financial assistance for the conduct of Ozone Day Celebration 2019, an amount of Rs. 13,350/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs. 00.00 at the close of 18/09/2019 as shown in the Statement of Expenditure annexed.


 Dr. Devi Praya M.
 Name & Signature
 of Co-ordinator


 Prof. Dr. Lata Monica Verghese
 Name & Signature
 of Head of the Institution
 with seal & date


 Name & Signature of
 Chartered Accountant
 with seal & date




Re: Corrected -proposal-Ranni

From: Ranjeev Misra (rmisra@iucaa.in)

To: marykuttykjames@yahoo.co.in

Cc: drjoephysics@gmail.com; mss@iucaa.in; rewati@iucaa.in; thakare@iucaa.in

Date: Sunday, 15 December, 2019 at 10:20 pm GMT-8

Dear Marrykutty,

I am pleased to inform you that your proposal to hold a seminar on X-ray Astronomy has been approved by the IUCAA's Meeting committee.
IUCAA financial commitment will be limited to Rs. 1,53,600 as per budget details attached.

Yogesh: Please update IUCAA's event page

Seminar on X-ray Astronomy

Dates: January 25-26, 2020

Place: St. Thomas College Ranni

Coordinator: Marykutty James| R. Misra

regards,
Ranjeev

From: "Marykutty James" <marykuttykjames@yahoo.co.in>

To: "Ranjeev Misra" <rmisra@iucaa.in>, "Joe Jacob" <drjoephysics@gmail.com>

Sent: Tuesday, December 10, 2019 10:01:22 PM

Subject: Corrected -proposal-Ranni

Dear Ranjeev,

Modified proposal is attached.
Kindly reply if you have any more comments.

Thanks,

Marykutty



Introductory Seminar Proposal Ranni-modified.pdf
99.2kB

KERALA STARTUP MISSION

Abstract

Kerala Startup Mission – Innovation and Entrepreneurship Development Center (IEDC) - Grants - Sanctioned - Orders Issued

KERALA STARTUP MISSION

KSUM/360/2022

Date: 19.04.2022

ORDER

Sanction is accorded for release of Rs. 30.8 lakhs to the 18 IEDC's towards grant. The expenditure met from Evangelisation – Grant for existing IEDC & Grant for new IEDC

SL No	Please Select your IEDC	Recommended Amount as IEDC Grant
1	ST.George's College Aruvithura	200000
2	Sree Sankara Vidyapeetom College, Perumbavoor	200000
3	Rajagiri School of Engineering & Technology	200000
4	College of applied science IHRD chelakkara	200000
5	Asian School of Business	200000
6	IHRD College of applied Science Vadakkenchery Palakkad	200000
7	National Institute of Technology Calicut	200000
8	Adi Shankara Institute Of Engineering and Technology	200000
9	ST. Teresa's College	150000
10	ST. Thomas College Ranni	150000
11	Sreepathy Institute of Management And Technology	150000
12	Government Polytechnic College Perinthalmanna	130000
13	AL-Ameen Engineering College Shornur	150000
14	SCMS School Of Engineering And Technology	150000
15	Mohandas College of Engineering & Technology	150000
16	Christ College of Engineering	150000
17	Government Polytechnic College Palakkad	150000
18	Govt. Women's Polytechnic College Thrissur	150000
Total		3080000

John M Thomas
Chief Executive Officer

To:
The Institutions concerned
File No KSUM/146/2022-AM(Funding)

Forwarded/ By Order


B. Sreekumaran Nair
Secretary & Registrar



കേരള സർക്കാർ

പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന ഡയറക്ടറേറ്റ്

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

ഫോൺ 0471 2326264 (ഓഫീസ്) ; 2322554 (ഫാക്സ്)

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

നം: ഡി.ഒ.ഇ.സി.സി/എഇഒ/2684/2018

തീയതി. 10.01.2019

പ്രേഷിത

ഡയറക്ടർ

സ്വീകർത്താവ്

The Principal,
St. Thomas College
Ranni, Pazhavangadi P.O.,
Pathanamthitta

സർ.

വിഷയം:- ഡി.ഒ.ഇ.സി.സി - പരിസ്ഥിതി ബോധവൽക്കരണവും പ്രോത്സാഹനവും
നവം- 2018-19 വർഷത്തെ സെമിനാർ/സിംപോസിയം -യന സഹായ
ത്തിനായി തീർ ഞെടുക്കപ്പെട്ട സംഘടനകൾ/സ്ഥാപനങ്ങൾ -
മാനദണ്ഡങ്ങൾ പുറപ്പെടുവിക്കുന്നത് - സംബന്ധിച്ച്.

- പരാമർശം :- 1) സ.ഉ.(സാധാ) നമ്പർ. 54/2018/പരി തീയതി 03.05.2018.
2) ഈ കാര്യാലയത്തിൽ ചേർന്ന പദ്ധതി വിലയിരുത്തൽ കമ്മിറ്റി
യുടെ യോഗ നടപടി കുറിപ്പ്.

പരിസ്ഥിതി ബോധവൽക്കരണവും പ്രോത്സാഹനവും എന്ന ബഡ്ജറ്റ് ശീർഷക
ത്തിന് കീഴിൽ സമൂഹത്തിൽ പരിസ്ഥിതി അവബോധം വളർത്തുന്നതിനായി 2018-19
സാമ്പത്തിക വർഷത്തിൽ സെമിനാറുകൾ/സിംപോസിയങ്ങൾ തുടങ്ങിയവ സംഘടിപ്പി
ക്കുന്നതിനായി സന്നദ്ധരായ സർക്കാർ/സർക്കാരേതര സ്ഥാപനങ്ങൾ/ സംഘടനകൾ തുട
ങ്ങിയവയിൽ നിന്നും അപേക്ഷ ക്ഷണിച്ചിരുന്നു. ആയതിന്റെ അടിസ്ഥാനത്തിൽ ലഭിച്ച
അപേക്ഷകൾ തെരഞ്ഞെടുക്കുന്നതിനായി വകുപ്പ് തല വിലയിരുത്തൽ കമ്മിറ്റിയിൽ പരി
ശോധിച്ചതിന്റെ അടിസ്ഥാനത്തിൽ യോഗ്യരായ 28 സ്ഥാപനങ്ങളെ തെരഞ്ഞെടുത്തിട്ടു
ണ്ട്. ആയതുപ്രകാരം താങ്കളുടെ സ്ഥാപനം സമർപ്പിച്ച "National Conference on Sustainable
Development Through Biodiversity Conservation" എന്ന പ്രൊപ്പോസലിന് ആകെ 70,000/-
രൂപ (എഴുപതിനായിരം രൂപ മാത്രം) അനുവദിച്ചിട്ടുണ്ട്. സമർപ്പിച്ച പദ്ധതി രൂപ രേഖ
പ്രകാരം സെമിനാർ/സിംപോസിയങ്ങൾ തുടങ്ങിയവ നടത്തി ആയതിന്റെ വിശദമായ
റിപ്പോർട്ട് (ഫോട്ടോ/വീഡിയോ സഹിതം), തുക വിനിയോഗ സർട്ടിഫിക്കറ്റ് (in KFC
form 44), തുക വിനിയോഗ പത്രിക എന്നിവ നൽകുന്ന മുറയ്ക്ക് പ്രസ്തുത തുക,
അനുവദിക്കുന്നതാണ്.

ചുവടെ ചേർത്തിരിക്കുന്ന നിബന്ധനകൾ നിർബന്ധമായും പാലിക്കേണ്ടതാണ്.

1. പദ്ധതി നിർവ്വഹണവുമായി ബന്ധപ്പെട്ട പോസ്റ്ററുകൾ, ലഘുലേഖനങ്ങൾ, ബാനറുകൾ, മറ്റ് പ്രസിദ്ധീകരണങ്ങൾ എന്നിവയിൽ പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന ഡയറക്ടറേറ്റിന്റെ പേര് ആലേഖനം ചെയ്യേണ്ടതാണ്.
2. 2019 ഫെബ്രുവരി 28 ന് മുമ്പായി പദ്ധതി നിർവ്വഹിച്ച് ആയത് സംബന്ധിച്ച് വിശദമായ റിപ്പോർട്ടും തുക വിനിയോഗ സർട്ടിഫിക്കറ്റും (KFC form 44 - ൽ) തുക വിനിയോഗ പത്രികയും സമർപ്പിക്കേണ്ടതാണ്. പ്രസ്തുത തീയതിക്കുമുമ്പായി മേൽപ്പറഞ്ഞ രേഖകൾ സമർപ്പിക്കാത്ത പക്ഷം പദ്ധതിക്ക് അനുവദിച്ച തുക നൽകുന്നതല്ല. കൂടാതെ അത്തരം സംഘടനകളെ വരും വർഷങ്ങളിൽ പരിഗണിക്കുന്നതുമല്ല.
3. 2018-19 സാമ്പത്തിക വർഷം അവസാനിക്കുന്നതിനുമുമ്പായി വകുപ്പിന്റെ ആഭിമുഖ്യത്തിൽ നടത്തുന്ന റിവ്യൂ മീറ്റിംഗിൽ പദ്ധതി നടത്തിപ്പു വിവരം ഓരോ സംഘടന/സ്ഥാപനങ്ങളും അവതരിപ്പിക്കേണ്ടതാണ്.
4. ചെലവഴിച്ച തുകയുടെ ഒറിജിനൽ ബില്ലുകളും വൗച്ചറുകളും, സമർപ്പിക്കേണ്ടതാണ്.
5. പ്രസ്തുത പരിപാടിയിലെ പ്രധാനകാര്യങ്ങൾ നടപ്പാക്കുന്നത് ഈ കാര്യാലയത്തിൽ മുൻകൂറായി അറിയിക്കേണ്ടതും ഈ കാര്യാലയത്തിലെ ഉദ്യോഗസ്ഥന്റെ സാന്നിധ്യം ഉറപ്പാക്കേണ്ടതുമാണ്.
6. പദ്ധതി നടത്തിപ്പിൽ ഹരിതപൈരുമാറ്റച്ചട്ടം കർശനമായും പാലിക്കേണ്ടതാണ്.

വിശ്വസ്തതയോടെ,

അഡ്മിനിസ്ട്രേറ്റീവ് ഓഫീസർ
ഡയറക്ടർക്ക് വേണ്ടി

ORGANIZING COMMITTEE

Patron

Prof. (Dr.) Abraham V. Kuriakose (Manager)

Chairperson

Prof. (Dr.) Lata Marina Varghese (Principal)

Advisory Committee

Dr. Aleyamma Kuruvilla (Vice Principal)
Capt. John M. George (IQAC Co-ordinator)
Prof. Suja Abraham (HoD, Dept. of Hindi)

Convenor

Dr. Suresh M.K.

Co-ordinator

Dr. Devi Priya M.

Organizing Secretary

Dr. R. Aruna Devy

Members

Dr. Susha S.P.
Dr. Ansu Jacob
Dr. Mathew Kuruvilla
Dr. Marykutty James

Correspondence

Dr. R. Aruna Devy
Organizing Secretary
Phone : 9447945878
stcr.ns19@gmail.com



EACH ONE OF US IS
RESPONSIBLE FOR EVERYTHING
TO EVERY ONE ELSE



National Seminar on *Sustainable Development through Biodiversity Conservation*



Venue

Seminar Hall
St. Thomas College, Ranni
February 22-23, 2019

Organized by

**Research Development Committee &
IQAC**
St. Thomas College, Ranni

Sponsored by

**Directorate of Environment and Climate
Change (DoECC), Trivandrum**

In collaboration with

**Tropical Institute of Ecological Sciences
(TIES), Kottayam**

Dear Sir/Madam,

We are pleased to inform you that the Research Development Committee and IQAC of St. Thomas College Ranni is organizing a National Seminar on "Sustainable Development through Biodiversity Conservation" sponsored by Directorate of Environment and Climate Change (DoECC), Trivandrum in collaboration with Tropical Institute of Ecological Sciences (TIES), Kottayam on 22nd and 23rd February 2019.

In wake of the unprecedented flood that devastated Kerala recently resulting in loss of thousands of human lives and destruction of flora and fauna. The state is now threatened by severe climatic changes with the traditional natural reservoirs drying up fast due to excessive mining, stone quarrying and deforestation. In such a scenario it is timely and highly relevant to initiate activities and plans for better biodiversity conservation. But such actions cannot be done independently or planned in isolation. The shortest way to achieve this goal is only through environmental awareness and interventions. As to evoke in all human beings the necessity of social responsibility to respect, protect and preserve the natural world for coming generations. With these objectives in mind, we plan to conduct this seminar on "Sustainable Development through Biodiversity Conservation".

We request your valuable presence and active participation in this seminar.

Prof. Dr. LATA MARINA VARGHESE
(Principal)

Dr. SURESH M.K.
(Convenor)

Dr. DEVI PRIYA M
(Co-ordinator)

Dr. R. ARUNA DEVY
(Organizing Secretary)

BROAD AREAS OF THE SEMINAR

- Biodiversity Conservation, Informatics & Environmental Ethics
- Impacts of recent floods on Biodiversity
- Natural Hazards and Disaster Management
- Climate Change and Biodiversity
- Green Initiatives and Policy challenges
- Ecotourism and Sustainable Development
- Environmental Toxicology

Abstracts (both oral and poster presentation) should be limited to 250 words and would consists of title, authors name, affiliations and text in MS word document, which would be sent to the Organizing Secretary at stcr.ns19@gmail.com. Proceedings of the seminar will be published with ISBN.

CASH AWARD OF RS. 1,500/- WILL BE AWARDED TO THE BEST PAPER PRESENTATION

IMPORTANT DATES

Last date for abstract submission : 14-02-2019
Last date for acceptance : 16-02-2019
Last date for full paper submission : 18-02-2019

Registration Fee

Teachers/ Scientists : Rs.300/-
Research Scholars/ Students : Rs. 100/-

PROGRAMME

DAY I : 22.02.2019 (FRIDAY)

Registration : 09.00 am
Inaugural Session : 09.30 - 11.00 am
Inauguration : **Sri. M. UNNIKRISHNAN IFS**
(DFO, Ranni)
Tea Break : 11.00 - 11.15 am
Technical Session I : 11.15 - 12.30 pm

Speaker:

Prof. A. ALAGAPPA MOSES

(HOD, PG and Research Dept. of Environmental Sciences
Bishop Heber College, Tiruchirappalli)

Topic:

Ecotourism, Ecorestoration & Sustainable Development

Lunch Break : 12.30 - 01.15 pm

Technical Session II : 01.15 - 02.30 pm

Speaker:

Dr. SAJIN KUMAR K.S.

(Dept. of Geology, University of Kerala, Trivandrum)

Topic:

Visualizing the 2018 Floods from Satellite

Tea Break : 02.30 - 02.45 pm

Oral Presentations : 02.45 - 04.00 pm

DAY 2 : 23.02.2019 (SATURDAY)

Technical Session III : 9.30 - 10.45 am

Speaker:

Dr. C. PERIYASAMI

(D, Dept. Botany, PMT College, Tirunelveli)

Topic:

Biodiversity Production and Utilization of Marine Plants (Sea Weeds)

Tea Break : 10.45 - 11.00 am

Paper Presentation : 11.00 - 12.15 pm

Lunch Break : 12.15 - 01.00 pm

Technical Session IV : 01.00 - 02.30 pm

Speaker:

Sri. N.T. NIYAS

(Scientist, India Meteorological Department)

Topic:

**Understanding Climate Change through Meteorological
Observations**

Valedictory : 02.30 pm



National Seminar
On

**SUSTAINABLE DEVELOPMENT THROUGH
BIODIVERSITY CONSERVATION**

22nd and 23rd February, 2019

ABSTRACTS

Organised by

**RESEARCH COMMITTEE AND IQAC,
ST. THOMAS COLLEGE, RANNI**

Sponsored by

**Directorate of Environment and Climate Change
(DoECC),
Trivandrum**

**In collaboration with
Zoological Society of Kerala**



LIGHTNING OF LAMP BY PROF. ALAGAPPA
RESOURCE PERSON
MOSES,



LIGHTNING OF LAMP BY
Vice-principal Dr. ALEYANIYA
KURUVILLA

INAUGURAL SESSION ON 22nd FEBRUARY, 2013



KEY NOTE ADDRESS
BY DFO, RANAI
SRI. M.S. UNNI KRISHNAN



CLASSES - Invited Talk
by RESOURCE PERSON
Dr. C. PERMASANY



VALEDICTORY SESSION
ON 23rd FEBRUARY, 2019
Dr. Mathew Kuruvilla, Treasurer
Welcoming the gathering.



PRIZE DISTRIBUTION BY DR. ANITA
AND
MARINA VARGHESE,
CERTIFICATE
PRINCIPAL
ST. THOMAS COLLEGE
RANAI



St. Thomas College, Ranni

PAZHAVANGADI P.O., KERALA, INDIA - 689 673

RE - ACCREDITED BY NAAC AT B LEVEL

(Affiliated to Mahatma Gandhi University, Kottayam - Kerala)

Prof. Dr. LATA MARINA VARGHESE
PRINCIPAL

Date :

No. Stc/537/18-19

28/02/2019

To

The Director
Directorate of Environment and Climate Change (DoECC)
Trivandrum

Sir/Ma'am,

Sub: Submitted Utilization certificate & Report of National Seminar,
St. Thomas College, Ranni, regd:-
Ref. No: DOECC/AEO1/2684/2018 DTD 10/1/2019

Firstly of all let me thank the Directorate of Environment and Climate Change (DoECC), Trivandrum for being our sponsors so that we could conduct a National seminar on " Sustainable Development through Biodiversity Conservation".

Submitting herewith Utilization certificate, copy of audited bills, vouchers, Report of the Seminar, brochure and abstract. Kindly take steps for the speedy release of the sanctioned amount for final settlement and for printing the proceedings of the seminar.

Thank you
Yours Sincerely

Prof. Dr. Lata Marina Varghese
Principal
St. Thomas College, Ranni



K.F.C. FORM 44
(See Chapter VIII, Article 210)
FORM OF UTILISATION CERTIFICATE
Certificate showing utilization of Grants-in-aid

Name of Institution: **St. Thomas College, Ranni**

Serial Number	Order Sanctioning Grant	Amount Sanctioned Rs.	Year to which the grants relates	Period of utilization	Date of Payment	Purpose of the grant	Amount spent	Unspent balance	Remarks
1	2	3	4	5	6	7	8	9	10
1	D.O.E.C.C./ AEOI/ 2684/ 2018 dated 10.01.19	70,000/-	2018-19	2018-19	15.03.2019	Environmental Awareness and Encouragement- Conduct of Seminar	89,060/-	00	

1. Certified that out of the grant-in-aid of Rs. **70,000/-** sanctioned during the year 2018-19 in favour of **Principal, St. Thomas College, Ranni** as per the orders mentioned above, and Rs. **0.00** on account of unspent balance of the previous year/years, a sum of Rs. **89,060/-** has been utilized for the purpose of which the grant/grants was/were sanctioned and that the balance of Rs. **0.00** surrendered to Government (vide Chelan No.....dated.....)/will be adjusted towards the grant-in aid payable for the succeeding year.
2. Certified that I have satisfied myself that the conditions on which the grant-in aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of Check Exercised

1. TA/Honourarium- Voucher I
2. Postage/ Printing Charge - Voucher II
3. Course Material- Voucher III
4. Miscellaneous- Voucher IV

M&L
KURUVILLA & ASSOCIATES
Chartered Accountants
Pathanamthitta
M. S. KURUVILLA B.Com, ACA
M. No. 237681 FRN:016226S



Signature **Prof.Dr.Lata Marina Varghes**
Principal
Designation **St.Thomas College, Ranni**
Date **24/2/19**

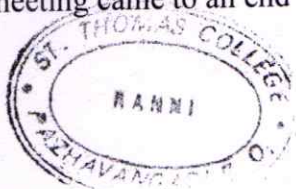
REPORT OF THE NATIONAL SEMINAR ON
"SUSTAINABLE DEVELOPMENT THROUGH BIODIVERSITY
CONSERVATION" CONDUCTED ON 22ND AND 23RD FEBRUARY, 2019


The National Seminar on "Sustainable Development through Biodiversity Conservation" was inaugurated on 22nd February, 2019 by Sri. M. Unnikrishnan IFS, DFO, Ranni. Dr. Suresh M.K, Convenor of the seminar welcomed the gatherings and in the absence of the Principal, Prof. Dr Lata Marina Varghese who was on duty leave, the seminar was presided over by the Vice-Principal Dr. Aleyamma Kuruvilla. The key note address was delivered by Dr. Alagappa Moses, HOD, Department of Environmental Sciences, Bishop Heber College, Tiruchirapalli. Capt. John M. George, IQAC Co-ordinator delivered felicitation and the inaugural session ended with vote of thanks proposed by Dr. R. Aruna Devy, the Organising secretary.

The first Technical session was on the topic "Ecotourism, Ecorestoration and sustainable Development" by Dr. Dr. Alagappa Moses, HOD, Department of Environmental Sciences, Bishop Heber College, Tiruchirapalli. The seminar had been an eye opener for many students from non science backgrounds. The Second session held in the afternoon was on "Visualizing the 2018 floods from Satellite" by Dr. Sajin Kumar K.S, Professor, Department of Geology, University of Kerala, Trivandrum. The speaker was highly efficient in communicating with the mass and it really paved a pathway for many in the audience to realise many of the facts behind the great disaster that took place in Kerala. This was followed by paper presentation on related topics by college students from various colleges.

The Third technical session was on 23rd morning by Dr. C. Periyasamy, HOD, Department of Botany, PMT College, Tirunelveli on the topic "Biodiversity Production and Utilization of Marine Plants (Sea weeds). Paper presentation by various college students, research students and teachers were made which helped the participants realise the immense threat to our biodiversity and the necessity to find alternative means to preserve and conserve it. The fourth session was on "Understanding Climate Change through Meteorological Observations" by the Scientist Sri. N.T. Niyas, India Meteorological Department, Trivandrum. More than 250 participants participated in the seminar and through feedback we understood how much a seminar of this kind could benefit all the participants through the interactive scientific discussions and knowledge sharing that took place.

The Valedictory function on 23rd began with the welcome speech by Dr. Mathew Kuruvilla, the Treasurer of the seminar. The Principal, Prof. Dr. Lata Marina Varghese presided over the function. Feedbacks were collected from the participants. Vote of thanks was proposed by Dr. Devi Priya M., the Co-ordinator of the seminar. The meeting came to an end with the National Anthem.




Prof. Dr. Lata Marina Varghese
Principal
St. Thomas College, Ranni

*Proceedings of the National Seminar
on*
**SUSTAINABLE DEVELOPMENT
THROUGH BIODIVERSITY CONSERVATION**
22ND AND 23RD FEBRUARY - 2019



Organized by

Research Development Committee and IQAC,
St. Thomas College - Ranni

Sponsored by

Directorate of Environment and Climate Change (DoECC),
Trivandrum
In Collaboration with
Zoological Society of Kerala



9788193962923

Editors:

Dr. Devipriya M

Dr. R. Aruna Devy

Printed and Published by:

Dr. Suresh M.K

Convenor:

For National Seminar on

**Sustainable development through Biodiversity
conservation**

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Preface

The National Seminar on Sustainable development through Biodiversity conservation was being organised by Research Development Committee and IQAC, St. Thomas College, Ranni during 22nd and 23rd, February, 2019. This seminar was sponsored by Department of Environment and Climate change, Trivandrum and was conducted in collaboration with Zoological Society of Kerala.

We express our sincere thanks to all the members of the Organising Committee, Advisory Committee, the Management of The St. Thomas College, DoECC and ZSK for their timely advice, co-operation and support.

The seminar brought together Professors, academicians, researchers, students, people representatives, ecologists and other personalities in one forum. It helps to discuss about the different threats to biodiversity and to find some alternatives for it.

Among Academicians, the discussion and the new contacts made during the course of seminar helped them to solve many problems which they encounter during their research.

The seminar had a revitalizing effect on the entire academic atmosphere of college with people from different places and backyards poured into its campus for two days of heated scientific discussions and knowledge sharing.

Dr. Suresh M.K
Convenor

KSUM/ 2017-18/IEDC/015

IEDC SANCTION LETTER

To,
The Principal
St Thomas College, Ranni,
Pathanamthitta- 689673.

Sub: Establishment of Innovation & Entrepreneurship Development Cell (IEDC) at St Thomas College, Ranni.

Approval is hereby accorded for the establishment of an Innovation and Entrepreneurship Development Cell (IEDC) at **St Thomas College, Ranni, Pathanamthitta- 689673** through a grant of **Rs. 2,00,000/- (Rupees Two Lakhs only)** as per the terms and conditions stated below.

1. **Activities:** The IEDC will carry out activities to develop the entrepreneurial and technical skills of the students and promote innovation and enterprise creation among the students of the college.
2. **Bank Account:** The St Thomas College, Ranni will maintain a separate bank account for the IEDC. The financial assistance for the IEDC shall be disbursed by KSUM to this bank account. The first tranche of assistance provided will be Rs. 2 Lakhs. The institute is expected to make an equal investment for creating the IEDC. The Innovation Grant for Idea Day winners from the college will also be transferred to this account.
3. **Space:** Providing the built up space for IEDC activities and administration will be the responsibility of the college and may be counted as the investment made by the college for setting up the IEDC. The space should be accessible to students working on different projects and should have a decent internet connection. Training events may be hosted in the auditorium or events room of the college.
4. **Fund Utilisation:** The grant to be disbursed by KSUM is to be utilised for meeting the operational expenses of the IEDC and not for infrastructure creation and utility charges. The Financial assistance can be used for conducting workshops, seminars, Makathons, Hackathons and other such entrepreneurial activities which may be helpful for the students/faculty of the college, including travel allowances to attend startup events. The assistance may not be used for sponsorship, ads and PR activities. The cost of annual audit may be met from the IEDC grant.

5. **IEDC Team:** St Thomas College, Ranni will appoint a Faculty Nodal Officer who will be in charge of the activities of the IEDC and will be responsible for submitting the Annual Report. The Nodal Officer will also be responsible for certifying the utilisation of the Innovation Grant by the recipients from the college. He/She will be assisted by a team of IEDC Student Coordinators who will carry out the various activities and will prepare the quarterly reports.
6. **Governance:** The St Thomas College, Ranni would constitute a mechanism for ensuring proper implementation and execution of the IEDC. This mechanism could include a Monitoring Committee that would consist of the Head of the Institution, Registrar of the Institution, and a representative each from college alumni, industry, and students. KSUM would have a representative on this committee for oversight. The Monitoring Committee should meet at least once every quarter to review the activities and outcome of the IEDC.
7. **Support to Innovation Grant recipients:** IEDC is expected to provide necessary support to Innovation Grant recipients from the college. The grant awarded by KSUM to these students will be transferred to the IEDC bank account. The Nodal Officer will oversee the projects and the utilisation of the funds and will certify the reports submitted by these students. It is recommended that a faculty be assigned to help students with their product or proof of concept. The expenditure of the grant is to be included in the audited UC submitted by the IEDC every May.
8. **Participation:** Programs organized by KSUM for the student community should be promoted by the IEDC inside the college. Nodal Officers and Student Coordinators should participate in the meet-ups and trainings organised half-yearly by KSUM.
9. **Quarterly Reports:** The IEDC will continue to report to KSUM till such time when the college gets recognized by the Department of Science & Technology as an approved IEDC under the National Science and Technology Entrepreneurship Development Board. For ascertaining the progress made in the project, IEDC would submit an activity update to KSUM every September and January.
10. **Annual Accreditation:** There will be annual review of the activities and performance of the IEDC, and the centre should submit an Annual Report and audited UC to this effect by end of April every year. The report should include list of workshops, hackathons ideathons etc. organised, number of events participated by students & faculties, list of startups generated in college with their contact details and project status of Innovation Grant recipients.

Additional financial support will be provided to the IEDC based on the annual accreditation and the proposed utilisation plan for next year. If the IEDC exhausts the fund in-between the year, the Nodal Officer may submit a request for early processing of the accreditation.

Saji

Dr Saji Gopinath
Chief Executive Officer
Kerala Startup Mission



Trivandrum
19.03.2018

(Copy of the letter is to be signed and submitted to KSUM for fund release)

Read & Accepted on behalf of St Thomas College, Ranni.

Name:
Head of the Institution

Name:
IEDC Nodal Officer



KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY AND ENVIRONMENT

An Autonomous body of the Government of Kerala

KSCSTE - Student Project entitled - "Green synthesis of silver nanoparticles for photo catalysis" submitted by Ms. Anju Joseph, Assistant Professor, Physics, St. Thomas College, Pazhavangadi P O, Ranni-689673 as PI and Ms. Athulya Udayakumar, Ms. Shalu Krishna as student investigator(s) - financial assistance - Orders issued.

Council (P) Order No588/2020/KSCSTE Dated:
Thiruvananthapuram, 11/08/2020

- Ref: - 1 Decision of the 63rd SP Committee meeting dated November 29 & 30, 2018 on item No. SP- 63/195 (902 /SPS63/2018/KSCSTE)
2 File No: KSCSTE/772/2020-SP

ORDER

Kerala State Council for Science Technology and Environment (KSCSTE) is operating a programme for supporting student projects in colleges and university departments. Ms. Anju Joseph, Assistant Professor, Physics, St. Thomas College, Pazhavangadi P O, Ranni-689673, has submitted a student project as PI with Ms. Athulya Udayakumar, Ms. Shalu Krishna as student investigator(s) for financial assistance. The 63rd SP Committee meeting dated November 29 & 30, has sanctioned ₹10000/- (Rupees ten thousand only) for the conduct of the above said project. The PI has submitted the final report and financial statements after completion of the project.

KSCSTE has verified the submitted documents and is pleased to accord sanction for the release of ₹10000/- (Rupees ten thousand only) towards financial assistance for the student project titled - "Green synthesis of silver nanoparticles for photo catalysis" submitted by Ms. Anju Joseph, Assistant Professor, Physics, St. Thomas College, Pazhavangadi P O, Ranni-689673. The amount will be disbursed to The Principal, St. Thomas College, Pazhavangadi P O, Ranni-689673 by means of Electronic Fund Transfer as per their bank details given below.

Beneficiary Name	Account	St. Thomas College, Ranni
Beneficiary Number(SB/CC)	Account	57030046265

Beneficiary IFSC	SBIN0070345
Name of bank	SBI,Ranni, Thottamon
Beneficiary Address	The Principal, St.Thomas College, Pazhavangadi P O, Ranni-689673
Beneficiary Phone No.	9496211790
Beneficiary E-mail ID	anjudiluabraham@gmail.com

The expenditure in this regard will be met from the Council fund (III) Schemes and Programmes of KSCSTE - Student project scheme.

K P SUDHEER
EXECUTIVE VICE PRESIDENT,KSCSTE

To

The Principal, St.Thomas College, Pazhavangadi P O, Ranni-689673

Copy to:

- ✓ Ms. Anju Joseph, Assistant Professor, Physics, St.Thomas College,
Pazhavangadi P O, Ranni-689673
- Ms. Athulya Udayakumar, Ms. Shalu Krishna, Student, M.Sc, St.Thomas
College, Pazhavangadi P O, Ranni-689673
- Cash Section, Stock File/ Office Copy

CRO
S. S. S. S.

Student project
month - 01 10000/-