



Newman College

Affiliated to Mahatma Gandhi University

Reaccredited by NAAC with A grade (Cycle 3, CGPA 3.32)

Email: principal@newmancollege.ac.in

website: www.newmancollege.ac.in

Phone: 04862-222686   

Criterion III Research, Innovations and Extension



3.1

Resource Mobilization for Research

3.1.1

**Sanction Orders of Grants by the Funding Agency and
Utilization Certificates**

Submitted to



National Assessment and Accreditation Council



NEWMAN COLLEGE

THODUPUZHA, IDUKKI

KERALA, INDIA - 685585

Affiliated to Mahatma Gandhi University, Kottayam

NAAC Reaccredited 'A' Grade Institution



Details of Grants received from Government agencies for research projects, in the institution during the last five years (INR in Lakhs)

Sl. No.	Name of the Research Project/ Endowment	Name and Department of the Principal Investigator / Co- investigator	Year of Award	Amount Sanctioned (INR in Lakhs)	Page No
1	Understanding the role entrainment on warm clouds over South Asia using Lagrangian Cloud Model (Science and Engineering Research Board (SERB) Startup Research Grant, Department of Science and Technology, Govt. of India)	Subin Jose Physics	2022	25.99872	5
2	Bimetallic Transition Metal Catalysts Modified Nickel Nanostructures for Electrochemical Green Hydrogen Synthesis (Science and Engineering Research Board (SERB) Startup Research Grant, Department of Science and Technology, Govt. of India)	Alex Joseph Chemistry	2022	15.03120	8
3	Popularisation of Plant Taxonomy: A workshop-based itinerary to document flora of the campus (Directorate of Environment and Climate Change, Government of Kerala)	Anju T R Biotechnology	2022	0.75	14
4	DBT Star College Scheme (Department of Biotechnology Government of India)	Anju T R Biotechnology	2021	63	20



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5	Digital Library Resources for Teaching, Learning and Research (National Academy of Sciences, India, Kerala Chapter)	Anju T R Biotechnology	2021	0.1	25
6	Virya- Effective utilisation of solar energy to build self-reliant villages (Kerala State council for Science and Technology)	Alex Joseph Chemistry	2020	0.33287	28
7	Scheme for Trans-Disciplinary Research for India's Developing Economy (Scheme for Trans-Disciplinary Research for India's Developing Economy)	Principal	2020	95	30
8	Investigation on Thermoelectric Effect of Thin Film Junctions (Kerala State council for Science and Technology)	Indu Sebastian Physics	2020	0.1	34
9	Development of a Nontoxic Holographic Recording Material (Kerala State council for Science and Technology)	Beena Mary John Physics	2019	0.1	36
10	Fluorescence Studies on Dye Sensitised PVA Films (Kerala State council for Science and Technology)	Beena Mary John Physics	2019	0.1	40
11	Antibacterial property of Pepper and Green chilli- A Comparative Study (Kerala State council for Science and Technology)	Anju T R Biotechnology	2019	0.1	43



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12	Health Benefits of Carrot and Beetroot in the perspective of its antimicrobial properties (Kerala State council for Science and Technology)	Parvathy S Botany	2019	0.1	47
13	Chemically Modified Electroactive Polymer Nanoparticles for Electrochemical detection of Heavy Metal Ions (Science and Engineering Research Board (SERB) Startup Research Grant, Department of Science and Technology, Govt. of India)	Alex Joseph/ Bejoy Thomas Chemistry	2017 (2017-2020)	27.0488	51
14	Selective Augmentation of Research and Development (Kerala State council for Science and Technology)	Alex Joseph Chemistry	2016 (2016-2019)	32	56
Total				259.76159	



1. Details of Grant Received from Science and Engineering Research Board (SERB), Department of Science and Technology, Govt. of India

Name of the Research Project/ Endowment	Understanding the Role Entrainment on Warm Clouds over South Asia using Lagrangian Cloud Model
Name of the Principal Investigator/Co-investigator	Subin Jose, Assistant Professor in Physics
Department of Principal Investigator	Physics
Year of Award	2022
Amount Sanctioned in Lakhs (in INR)	25.99872 Lakhs
Duration of the Project	2 years (2022-2024)
Name of the Funding Agency	Science and Engineering Research Board (SERB), Department of Science and Technology, Govt.of India
Type (Government/non-Government)	Government

SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

(A statutory body of the Department of Science & Technology, Government of India)
 Science and Engineering Research Board
 3rd & 4th Floor, Block II
 Technology Bhavan, New Mehrauli Road
 New Delhi - 110016

Dated: 01 November, 2022

ORDER

Subject: Financial Sanction of the research project titled **Understanding the role entrainment on warm clouds over South Asia using Lagrangian Cloud Model** under the guidance of **Dr. Subin Jose, Physics, Newman College Thodupuzha**, Newman college rd, mangattukavala, thodupuzha, Idukki, Kerala-685584 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of **Rs. 2599872/- (Rs. Twenty Five Lakh Ninety Nine Thousand Eight Hundred and Seventy Two Only)** with break-up of Rs. 1250000/- under Capital (Non-recurring) head and Rs. 1349872/- under General (Recurring) head for a duration of 24 months. The items of expenditure for which the total allocation of Rs. 2599872/- has been approved are given below:

The following budget may be considered for **Newman College Thodupuzha, Newman College Rd, Mangattukavala, Thodupuzha**

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> High Performance Computing system	1250000
A'	Total (Non-Recurring)	1250000
B	Recurring Items	
1	Recurring - I : (Research Personnel) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	803520 300000 10000
2	Recurring - IV : (Overhead Charges)	236352
B'	Total (Recurring)	1349872
C	Total cost of the project (A' + B')	2599872

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

3. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

4. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1 lakh each should be spent for travel and contingency.

5. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.

6. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

7. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

8. The institute will furnish to the SERB, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

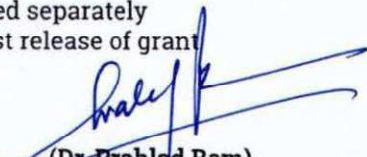
10. The research personnel sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any. beyond the duration of the project

11. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

12. The project File no. SRG/2022/001537 should be mentioned in all communications arising from the above project. The organization/institute/university should ensure that the technical support/financial assistance provided to them by SERB should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

13. 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 SERB.

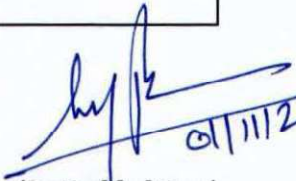
14. Sanction order for release of funds under a) Non-recurring and b) Recurring will be issued separately depending on the availability of funds. The project become operational from the day the first release of grant received by the implementing Institute.


(Dr. Prahlad Ram)
Scientist D
prahlad@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.	Dr. Subin Jose Physics Newman College Thodupuzha , Newman college rd, mangattukavala, thodupuzha, Idukki, Kerala-685584 Email: subinjose22@gmail.com Mobile: 918019785338 (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 , Newman College Thodupuzha, Newman College Rd, Mangattukavala, Thodupuzha (Receipt of Grant may be intimated by name to the undersigned)


(Dr. Prahlad Ram)
Scientist D
prahlad@serb.gov.in
01/11/2022



2. Details of Grant Received from Science and Engineering Research Board (SERB), Department of Science and Technology, Govt. of India

Name of the research project/ endowment	Bimetallic Transition Metal Catalysts Modified Nickel Nanostructures for Electrochemical Green Hydrogen Synthesis
Name of the Principal Investigator/Co-investigator	Alex Joseph, Assistant Professor in Chemistry
Department of Principal Investigator	Chemistry
Year of Award	2022
Amount Sanctioned in Lakhs (in INR)	15.03120 Lakhs
Duration of the project	6 Months
Name of the Funding Agency	Science and Engineering Research Board (SERB), Department of Science and Technology, Govt. of India
Type (Government/non- Government)	Government

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

(Statutory Body Established Through an Act of Parliament: SERB Act 2008)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Approval Letter

Award Number: SIR/2022/000128

Dated: **12-May-2022**

Dear **Dr. Alex Joseph**,

I am pleased to inform that you have been provisionally selected for the SERB International Research Experience for the year 2022-2023 supported by the Science and Engineering Research Board (SERB), a statutory body of the Department of Science and Technology, Government of India. The fellowship has been approved for a maximum duration of 6 months with George John at Department of Chemistry and Biochemistry, The City College Of New York-cuny, (USA). Please note that there is no provision to extend your Fellowship beyond the approved duration of 6 months. The fellowship should commence within 3 months from the date of issue of this letter. No request for a waiver on any account will be considered. Failure to commence the fellowship within the given timeframe will be summarily terminated.

You may also note that once the award has been made, no change of host institution will be permitted under any circumstance/s.

SERB International Research Experience includes:

Monthly Fellowship equivalent to USD 3000 per month.

Return Airfare in by economy class and shortest route from your place of work in India to the place of the overseas host institute and back. (SERB is directed to instruct the applicant to purchase the air tickets either of these two Govt. authorized travel agents viz. 1) M/s Balmer Lawrie & company Limited (BLCL) and 2) M/s Ashok Travels and Tours (ATT) vide order no. 19024/03/2021-E.IV dated 31.12.2021 issued by Department of Expenditure, Ministry of Finance. In case of failure of adherence to this guideline, air fare will not be reimbursed.)

Preparatory Allowance / Contingency grant up to Rs. 75,000/- to cover expenses for Visa and airport transfers etc.

Overseas Medical Insurance on actual but limited to Rs. 20,000/-.

Please note that the Award is subject to providing your acceptance to the terms and conditions laid by SERB as detailed in the Sanction Order and satisfying the eligibility conditions as specified in the call for applications.

You are requested to submit the following and intimate your acceptance latest by a week time from the issue of this letter.

Tentative schedule of your overseas visit.

RTGS details of the Institute (As per SERB format available at www.serbonline.in)

High resolution scan of your passport size photograph.

A copy of first and last pages of your passport.

Letter of acceptance of the fellowship.

You are requested to submit the above documents / information through SERB online portal. Also, a copy of VISA is required to be uploaded on the portal before travelling to the overseas.

Kindly quote the above referred Award Number in all your future correspondence with us. Please note that release of grant is subject to availability of funds under the scheme. The award no. must also be mentioned in all communications arising from the above research work. *This is mandatory to do all communication related to this programme through SERB online portal*

Best wishes for your research endeavor .

Kindly follow the below steps only then you will be able to acknowledge the approval letter :

1. Go to www.serbonline.in through your credentials
2. Go to Menu --> Proposal submission --> View submitted proposals
3. Click on the link under Status column "Proposal Approved, Acknowledgment pending from PI"

Yours sincerely,
(Dr. Arvind Chaudhary)

Scientist D

Email: ms-ocpac@serb.gov.in

Ph: 01126511035

Dr. Alex Joseph

Chemistry

Newman College Thodupuzha, Newman College Rd, Mangattukavala, Thodupuzha, Idukki, Kerala-685584

GFR 12- A
[(See Rule 238(1))]

UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2022-23
In respect of *RECURRING*
as on 31st March 2023 to be submitted to SERB
Is the UC – Audited
(To be given separately for each financial year ending on 31st March)

- | | |
|---|---|
| 1. Name of the grant receiving Organization | : Newman College Thodupuzha |
| 2. Name of Principal Investigator (PI) | : Dr. Alex Joseph |
| 3. SERB Sanction order no. & date | : SIR/2022/000128 dated 12 th May, 2022 |
| 4. Title of the Project | : Bimetallic transition metal catalysts modified
Nickel nanostructures for electrochemical
green hydrogen synthesis |
| 5. Name of the SERB Scheme | : DST- SIRE Postdoctoral Fellowship (DST-
SIRE.) |
| 6. Whether recurring or non-recurring grants | : Recurring |
| 7. Grants position at the beginning of the Financial year | |
| (i) Carry forward from previous financial year | : Rs.0 |
| (ii) Others, If any | : Rs.0 |
| (iii) Total | : Rs.0 |

8. Details of grants received, expenditure incurred and closing balances: (Actuals)

Unspent Balance of Grants received previous years [figure as at Sl. No. 7(iii)]	Interest Earned thereon	Interest deposited back to the SERB	Grants received during the year			Total Available funds (1+2-3+4)	Expenditure incurred	Closing Balance (5-6)
			1	2	3			
			Sanction No.(i)	Date (ii)	Amount (iii)			
Rs.0	Rs.0	Rs.0	SIR/2022/000128	26/09/2022	Rs. 15,03,120	Rs. 15,03,120	Rs. 17,39,208	Rs.(-)2,36,088

Component wise utilization of grants:

Grants-in-aid-General	Grant-in-aid-creation for capital assets	Total

Details of grants position at the end of the year

- (iv) Balance available at end of financial year :Rs.0
- (v) Unspent balance refunded to SERB(If any) :Rs.0
- (vi) Balance(Carried forward to next financial year) if applicable :Rs.0

GFR 12- A
[(See Rule 238(1))]

UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2022-23

In respect of *RECURRING*

as on 31st March 2023 to be submitted to SERB


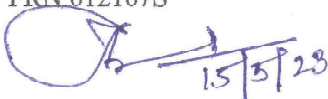
Is the UC – Audited

(To be given separately for each financial year ending on 31st March)

Certified that I have satisfied that the conditions on which grants were sanctioned have been duly fulfilled/ are being fulfilled and that I have exercised following checks to see that the money has been actually utilized for the purpose for which it was sanctioned:

- (i) The main accounts and other subsidiary accounts and registers (including assets registers) are maintained as prescribed in the relevant Act/Rules/Standing instructions (mention the Act/Rules) and have been duly audited by designated auditors. The figures depicted above tally with the audited figures mentioned in financial statements/accounts.
- (ii) There exist internal controls for safeguarding public funds/assets, watching outcomes and achievements of physical targets against the financial inputs, ensuring quality in asset creation etc. & the periodic evaluation of internal controls is exercised to ensure their effectiveness.
- (iii) To the best of our knowledge and belief, no transactions have been entered that are in violation of relevant Act/Rules/standing instructions and scheme guidelines.
- (iv) The responsibilities among the key functionaries for execution of the scheme have been assigned in clear terms and are not general in nature.
- (v) The benefits were extended to the intended beneficiaries and only such areas/districts were covered where the scheme was intended to operate.
- (vi) The expenditure on various components of the scheme was in the proportions authorized as per the scheme guidelines and terms and conditions of the grants-in-aid.

- (vii) It has been ensured that the physical and financial performance under DST- SIRE Postdoctoral Fellowship (SIRE) (Name of the scheme has been according to the requirements, as prescribed in the guidelines issued by Govt. of India and the performance/ targets achieved statement for the year to which the utilization of the fund resulted in outcomes given at Annexure– I duly enclosed.
- (viii) The utilization of the fund resulted in outcomes given at Annexure–II duly enclosed (to be formulated by the Ministry/Department concerned as per their requirements/specifications.)
- (ix) Details of various schemes executed by the agency through grants-in-aid received from the same Ministry or from other Ministries are enclosed at Annexure–II (to be formulated by the Ministry/Department concerned as per their requirements/specifications).

Signature of PI	Signature with Seal	Signature with Seal of Chartered Accountant
 Dr. Alex Joseph Assistant Professor Newman College Thodupuzha	 Head of Organization	 for V.V.THOMAS & CO. Chartered Accountants FRN-012107S 15/5/23 V.V.THOMAS, FCA Proprietor M.No: 039232 UDIN:23039232BGVNXXK6234 

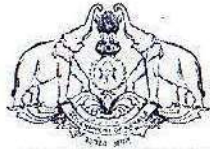
Date : 15-05-2023

Place: Thodupuzha



3. Details of Grant Received from Kerala State Council for Science and Technology, Govt. of Kerala

Name of the Research Project/ Endowment	Popularisation of Plant Taxonomy: A Workshop Based Itinerary to Document Flora of the Campus
Name of the Principal Investigator/Co-investigator	Anju T R, Assistant Professor in Biotechnology
Department of Principal Investigator	Biotechnology
Year of Award	2022
Amount Sanctioned in Lakhs (in INR)	0.75 Lakhs
Duration of the Project	1 year
Name of the Funding Agency	Kerala State Council for Science and Technology
Type (Government/non- Government)	Government



കേരള സർക്കാർ

പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന ഡയറക്ടറേറ്റ്

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

ഫോൺ 0471 2326264

മെയിൽ environmentdirectorat@gmail.com വെബ് www.envt.kerala.gov.in

**പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന വകുപ്പ് ഡയറക്ടറുടെ നടപടിക്രമം
(ഹാജർ : സൂനീൽ പമിടി ഐ എഫ് എസ്)**

നം: ഡി.ഒ.ഇ.സി.സി/ഇ1/1359/2021

തീയതി. 16.02.2022

വിഷയം : പരിസ്ഥിതി കാലാവസ്ഥാ വ്യതിയാന ഡയറക്ടറേറ്റ് - പരിസ്ഥിതി വിഷയങ്ങളിൽ പരിശീലന പരിപാടികൾ, ശില്പശാലകൾ തുടങ്ങിയവ സംഘടിപ്പിക്കുന്നതിനായി ആദ്യ ഗഡു തുക അനുവദിച്ച് ഉത്തരവാകുന്നത് - സംബന്ധിച്ച്

- പരാമർശം :- (1) 09.08.2021 ലെ സർക്കാർ ഉത്തരവ് നമ്പർ 53/2021/പരിസ്ഥിതി.
 (2) വിവിധ സ്ഥാപനങ്ങൾ സമർപ്പിച്ച പ്രൊപ്പോസലുകൾ
 (3) 03/02/2022 ലെ വകുപ്പ് തല സാങ്കേതിക കമ്മിറ്റി യോഗ തീരുമാനം

ഉത്തരവ്

സംസ്ഥാന പരിസ്ഥിതി കാലാവസ്ഥാ വ്യതിയാന ഡയറക്ടറേറ്റിന്റെ 'പരിസ്ഥിതി അവബോധനവും പ്രോത്സാഹനവും' പ്ലാൻ ശീർഷകത്തിൻ കീഴിൽ പരിസ്ഥിതി അവബോധന പ്രവർത്തനങ്ങൾ സംഘടിപ്പിക്കുന്നതിന് പരാമർശം (1) പ്രകാരം സർക്കാർ ഉത്തരവായിട്ടുണ്ട്. ആയതിൻ പ്രകാരം പരിസ്ഥിതി സംബന്ധമായ വിഷയങ്ങളിൽ പരിശീലന പരിപാടികൾ, ശില്പശാലകൾ തുടങ്ങിയവ സംഘടിപ്പിക്കുന്നതിനായി സംസ്ഥാനത്തൊട്ടാകെയുള്ള വിദ്യാഭ്യാസ, ഗവേഷണ സ്ഥാപനങ്ങൾ, അംഗീകൃത സർക്കാരിതര പ്രൊഫഷണൽ സ്ഥാപനങ്ങൾ എന്നിവരിൽ നിന്നും പത്രമാധ്യമങ്ങളിലൂടെയും, ഈ കാര്യാലയത്തിന്റെ വെബ്സൈറ്റിലൂടെയും അപേക്ഷ ക്ഷണിച്ചതിന്റെ അടിസ്ഥാനത്തിൽ 28 അപേക്ഷകൾ ലഭിച്ചിരുന്നു. ടി അപേക്ഷകൾ വകുപ്പ് തല സാങ്കേതിക കമ്മിറ്റി വിശദമായി പരിശോധിക്കുകയും, പരാമർശം (3) പ്രകാരം 21 സ്ഥാപനങ്ങൾ സമർപ്പിച്ച പ്രൊപ്പോസലുകൾ ധനസഹായത്തിന് അർഹരാണെന്ന് ശുപാർശ ചെയ്തിട്ടുള്ളതുമാണ്. പ്രസ്തുത തുക സംബന്ധിച്ച വിശദാംശങ്ങൾ ഈ നടപടിക്രമത്തിന്റെ അനുബന്ധമായി ചേർത്തിരിക്കുന്ന പട്ടികയിൽ ഉൾപ്പെടുത്തിയിരിക്കുന്നു

മേൽ വിഷയങ്ങൾ പരിശോധിച്ചതിന്റെ അടിസ്ഥാനത്തിൽ സ്വീകാര്യമാണെന്ന് ബോധ്യമായതിനാൽ ഈ നടപടി ക്രമത്തിന്റെ ഭാഗമായി ചേർത്തിരിക്കുന്ന അനുബന്ധ പട്ടികയിലുള്ള 21 സ്ഥാപനങ്ങൾക്ക് പട്ടികയിൽ പരാമർശിച്ചിരിക്കുന്നതിൻ പ്രകാരം ആകെ 20,64,000/- (ഇരുപത് ലക്ഷത്തി അറുപത്തിനാലായിരം രൂപ മാത്രം) താഴെ പറയുന്ന നിബന്ധനകൾക്ക് വിധേയമായി അനുവദിച്ച് ഉത്തരവാകുന്നു. ആദ്യഗഡുവായി പ്രസ്തുത വിഹിതത്തിന്റെ 60% തുകയായ 12,38,400/- (പന്ത്രണ്ട് ലക്ഷത്തി മൂപ്പത്തി എണ്ണായിരത്തി നാനൂറ് രൂപ മാത്രം) '3435-03-003-98 പരിസ്ഥിതി അവബോധനവും പ്രോത്സാഹനവും (പ്ലാൻ)' എന്ന ശീർഷകത്തിൽ നിന്നും വഹിച്ച്

അനുബന്ധപട്ടികയിൽ വിവരിക്കുന്നതിൻ പ്രകാരം ബന്ധപ്പെട്ട സംഘടനകളുടെ ബാങ്ക് അക്കൗണ്ടി ലേയ്ക്ക് നിക്ഷേപിക്കുന്നതിന് അനുമതി നൽകി ഉത്തരവാകുന്നു.

1. പദ്ധതി നിർവഹണവുമായി ബന്ധപ്പെട്ട് പ്രസിദ്ധീകരിക്കുന്ന ലഘുലേഖകൾ, പോസ്റ്ററുകൾ, ബാനറുകൾ തുടങ്ങിയവയിൽ പരിസ്ഥിതി കാലാവസ്ഥാ വ്യതിയാന ഡയറക്ടറേറ്റിന്റെ പേര് ആലേഖനം ചെയ്യേണ്ടതാണ്.
2. പദ്ധതി നിർവ്വഹണം പൂർത്തിയാക്കി ഫോട്ടോ /വീഡിയോ സഹിതം ആയതിന്റെ വിശദമായ റിപ്പോർട്ടും, ഓഡിറ്റ് ചെയ്ത സാമ്പത്തിക വിനിയോഗ രേഖകളും [Utilization Certificate (KFC FORM 44) Expenditure Statement] 2022 മാർച്ച് 20 നു മുൻപായി സമർപ്പിക്കേണ്ടതാണ്.
3. വകുപ്പിന്റെ ആഭിമുഖ്യത്തിൽ നടത്തുന്ന റിവ്യൂ മീറ്റിംഗിൽ പദ്ധതി നടത്തിപ്പു വിവരം ഓരോ സ്ഥാപനങ്ങളും അവതരിപ്പിക്കേണ്ടതാണ്.
4. മേൽ കാര്യങ്ങളിൽ പിഴവ് വരുത്തുന്ന പക്ഷം പ്രസ്തുത പദ്ധതിയ്ക്കായി നൽകിയ തുക 18% പലിശ സഹിതം സർക്കാരിലേയ്ക്ക് തിരിച്ചടയ്ക്കേണ്ടതാണ്. അല്ലാത്ത പക്ഷം കേരള സർക്കാർ റവന്യൂ റിസെവി ആക്ട് പ്രകാരമുള്ള നടപടികൾ സ്വീകരിക്കുന്നതുമാണ്.
5. പദ്ധതി നടത്തി ചെലവാകാതെ ബാക്കി വരുന്ന തുക അടിയന്തിരമായി സർക്കാരിലേയ്ക്ക് തിരിച്ചടയ്ക്കേണ്ടതാണ്.

ഒപ്പ്
ഡയറക്ടർ

സ്വീകർത്താവ്

Dr. Anju T R,
Assistant Professor,
Newman College,
Thodupuzha, Pin - 685585

പകർപ്പ് :

1. അക്കൗണ്ടന്റ് ജനറൽ (എ & ഇ), തിരുവനന്തപുരം
2. ജില്ലാ ട്രഷറി ഓഫീസർ, തിരുവനന്തപുരം
3. ഓഫീസ് കോപ്പി
4. സ്റ്റോക്ക് ഫയൽ.

ഉത്തരവിൻപ്രകാരം

അഡ്മിനിസ്ട്രേറ്റീവ് ഓഫീസർ

Sl. No	Name and address of the Co-ordinator	Name of the Programme Proposed	Total Amount Sanctioned	Amount to be released as First Installment (60%)	Bank Account Details
20	Dr. Anju T R, Assistant Professor, Newman College, Thodupuzha, Pin - 685585	Popularization of plant taxonomy: A workshop based itinerary to document flora of the campus	Rs. 75,000/-	Rs. 45,000/-	ACCOUNT NUMBER : 0858073000000001 IFSC : SIBL0000858 ACCOUNT HOLDER : PRINCIPAL



NEWMAN COLLEGE

THODUPUZHA, IDUKKI

KERALA, INDIA - 685585

Affiliated to Mahatma Gandhi University, Kottayam
NAAC Re-Accredited 'A' grade institution



No:

Date:

Translation of the abstract of the order issued from Directorate of Environment and Climate Change, Government of Kerala towards the sanction of financial assistance for the programme entitled "Popularisation of Plant Taxonomy: A workshop-based itinerary to document flora of the campus".

Ref: 1. G.O/53/2021/ Environment dated 09/08/2021

2. No.DoECC/E1/ 1359/2021 dated 16-02-2022

As per G.O (ref.1), sanction has been accorded by Directorate of Environment and Climate Change, Government of Kerala for the Financial assistance of Rs. 75000/- to Dr. Anju T R, Assistant Professor, Newman College Thodupuzha for the programme entitled "Popularisation of Plant Taxonomy: A workshop-based itinerary to document flora of the campus".

The order in the regional language (Malayalam) is attached herewith.



Principal
DR. BIJIMOL THOMAS
PRINCIPAL
NEWMAN COLLEGE, THODUPUZHA
PEN: 467337



NEWMAN COLLEGE

THODUPUZHA, IDUKKI
KERALA, INDIA - 685585

Affiliated to Mahatma Gandhi University, Kottayam
NAAC Re-Accredited 'A' grade institution



No:

Date: 16-3-2022

STATEMENT OF EXPENDITURE

DIRECTORATE OF ENVIRONMENT AND CLIMATE CHANGE (DOECC)

GOVT OF KERALA

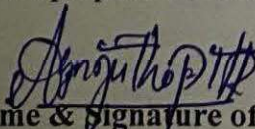
**'POPULARIZATION OF PLANT TAXONOMY: A WORKSHOP BASED ITINERARY
TO DOCUMENT FLORA OF THE CAMPUS'**

Letter no. DoECC/E1/1359/2021 dated 16-02-2022


Name of Institution: Newman College, Thodupuzha.

Receipts	Amount (Rs.)	Payments	Amount (Rs.)
1. Amount sanctioned from DoECC	75,000.00	TA & Honorarium for invited faculty	15,000.00
		Resource Materials for delegates /Publications for community (Flora book) and Identification name plates	40,238.00
		Miscellaneous	20,000.00
Total		Total	75,238.00
Amount released from DoECC	45,000.00		
Remaining Amount sanctioned from DoECC for reimbursement	30,000.00		

Certified that I have exercised all kinds of checks to see that the grant has been utilized for the purpose for which it was sanctioned by DoECC.


Name & Signature of Anju T.R.
Programme co-ordinator Asst. Prof.
Newman College
Thodupuzha




Name & Signature
Head of the Institution
DR. THOMSON JOSEPH
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA

K.F.C. FORM 44
FORM OF UTILISATION CERTIFICATE
Certificate showing utilisation of Grants-in-aid

Name of institution: **Newman College, Thodupuzha**

Sl. no	Order sanctioning grant	Amount sanctioned Rs.	Year to which the grant 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	DoECC/E1/1359/2021	75000/-	2021-2022	March 2022		Three days workshop on 'Popularization of plant taxonomy: a workshop based itinerary to document flora of the campus'	75000/-	0.00	

1. Certified that out of the grant-in-aid of **Rs. 75000/-** sanctioned during the year **2021-2022** in favour of **Principal, Newman College, Thodupuzha** as per the orders mentioned above, and **Rs. 0.00/-** on account of unspent balance of the previous year/years, a sum of **Rs.75000/-** has been utilized for the purpose of for which the grant/grants was/ were sanctioned and that the balance of **Rs.0.00/-** remaining unutilized at the end of the year **2021-2022**.
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.

Signature:



DR. THOMSON JOSEPH
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE

Designation: **THODUPUZHA**





4. Details of Grant Received from Department of Biotechnology

Government of India

Name of the Research Project/ Endowment	Star College Scheme
Name of the Principal Investigator/Co-investigator	Anju T R, Assistant Professor in Biotechnology
Department of Principal Investigator	Biotechnology
Year of Award	2021
Amount Sanctioned in Lakhs (in INR)	63 Lakhs
Duration of the Project	3 years (2021-2024)
Name of the Funding Agency	Department of Biotechnology, Government of India
Type (Government / non- Government)	Government

HRD-11011/27/2021-HRD-DBT
Government of India
Ministry of Science & Technology
Department of Biotechnology

Block 2, 6-8th Floor
CGO Complex, Lodi Road
New Delhi - 110003


Dated: 03/09/2021

ORDER

Sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Power Rules, 1978 for the financial support for strengthening of Life Science and Biotechnology Education and Training at undergraduate level under **Star College Scheme** to **Newman College, Thodupuzha, Idukki, Kerala** at a total project cost of **Rs. 63.00 lakhs (Rupees Sixty three lakhs only)** for **three years** as per budget details are given below:-

Head	1 st Year rel	2 nd Year rel	3 rd Year rel	Total
Non-Recurring Equipment @ Rs. 10.00 lakhs per dept. (1. Botany & Biotechnology, 2. Chemistry and 3. Physics & Mathematics (clubbed together)	30.00	0.00	0.00	30.00
Recurring to all three depts. @ Rs. 3.00 lakhs per year (1. Botany & Biotechnology, 2. Chemistry and 3. Physics & Mathematics (clubbed together)	9.00	9.00	9.00	27.00
Travel Grant (Mentoring, Monitoring and Site Visit) @ Rs. 1.00 lakhs per year	1.00	1.00	1.00	3.00
Contingency @ Rs. 1.00 lakh per year	1.00	1.00	1.00	3.00
Total:	41.00	11.00	11.00	63.00

2. **Dr. Anju T R, Assistant Professor, Department of Biotechnology, Newman College, Thodupuzha, Idukki, Kerala** will be the coordinator for this programme and will submit utilization certificate and statement of expenditure duly signed by him, finance/accounts officer of college and head of college in duplicate at the end of financial year.
3. The college is required to implement the programme as per the terms and conditions given in **Annexure-I**.
4. As per "Rule 236 (1) of GFR 2017", the Account of all Grantee Institution or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG (DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the institute or Organisation is called upon to do so.
5. Non-recurring grant shall be utilized within 18 months of their release.
6. The institute/agency will keep the whole of the grant in a bank account earning interest, and the interest so earned should be reported to DBT in the utilization certificate and statement of expenditure. **The interest so earned should be refunded to the consolidated funds of India through Bharat Kosh (NTRP) Portal.**
7. Continuation of the project beyond 30.09.2021 will be subject to the appraisal and approval of the relevant scheme for the continuation beyond 30.9.2021


डॉ. गरीमा गुप्ता / Dr. GARIMA GUPTA
 वैज्ञानिक 'एफ' / Scientist 'F'
 बायोटेक्नोलॉजी विभाग / Dept. of Biotechnology
 विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.
 भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

8. After completion of the project period, the retention of equipment(s) purchased out of the project grant by the private agencies /NGOs is not allowed as per the prevailing Govt. of India instructions. Hence, the Pvt. Institutes/ NGOs involved in the instant project shall abide by the instructions issued/ to be issued by the Department in this regard from time to time.

9. The expenditure involved is debit to:

Demand No. 89	Department of Biotechnology
3425	Other Scientific Research (Major Head)
60	Others (Sub Major Head)
60.200	Assistance to Other Scientific Bodies (Minor Head)
29	Biotechnology Research and Development, Human Resource Development, Research Resources and facilities
29.17	Assistance for Research and Development
29.17.31	Grants-in-Aid General for the FY-2021-22

Demand No. 89	Department of Biotechnology
3425	Other Scientific Research (Major Head)
60	Others (Sub Major Head)
60.200	Assistance to Other Scientific Bodies (Minor Head)
29	Biotechnology Research and Development, Human Resource Development, Research Resources and facilities
29.17	Assistance for Research and Development
29.17.35	Grants-in-Creation of Capital Assets FY-2021-22

10. This issues under powers delegated to this Dept. and with the concurrence of IFD vide their **San No. 102/IFD/SAN/1012/2021-22 dated: 02.09.2021**

11. This sanction order has been noted at serial No. **11** In the register of grants.

To,
The Pay & Accounts Officer
Department of Biotechnology
New Delhi-110003

Copy to:

1. The Principal, Director of Audit (Scientific Departments), AGCR Building, New Delhi-110002
2. Cash Section, DBT, (2 Copies)
3. The Principal, Newman College, Thodupuzha, Idukki, Kerala.
4. Dr. Anju T R, Assistant Professor, Department of Biotechnology, Newman College, Thodupuzha, Idukki, Kerala.
5. Sanction Folder

(Dr. Garima Gupta) Scientist 'F'
Biology, Department of Biotechnology
Ministry of Science & Tech.
Govt. of India, N. Delhi

(Dr. Garima Gupta) Scientist 'F'
Biology, Department of Biotechnology
Ministry of Science & Tech.
Govt. of India, N. Delhi



V. V. THOMAS & CO.
Chartered Accountants

Mahima Complex,
Temple By-pass Road
Thodupuzha, Idukki,
Kerala. Pin-685584

UTILISATION CERTIFICATE
(for the period from 01/04/2022 to 31/03/2023)

1. Title of the project/scheme : **DBT Star College Scheme**
2. Name of the Organisation: **Newman College, Thodupuzha**
3. Principal Investigator : **Dr. Anju T R**
4. Dept. of Biotechnology Sanction Order No. & date of sanctioning the project: **Sanction Order No. HRD-11011/27/2021-HRD-DBT dated 03/09/2021**
5. Amount brought forward from the previous financial year quoting DBT letter No. & date in which the authority to carry forward the said amount was given :

Rs. 41.17182 lakhs (Sanction Order No. HRD-11011/27/2021-HRD-DBT dated 03/09/2021)
6. Amount received from DBT during the period: **Rs. 0**
7. Other receipts/interest earned, if any, on the DBT grants : **Rs. 0.69236 Lakhs**
8. Total amount that was available for expenditure during the period (Sl. nos. 5, 6 and 7): **Rs. 41.86418 Lakhs**
9. Actual expenditure (excluding commitments) incurred during the period (Statement of Expenditure is enclosed) : **Rs. 41.85322 Lakhs**

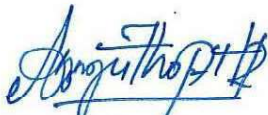
10. Unspent balance refunded, if any : **Rs 1.23901 Lakhs**

11. Balance amount available at the end of the period : **Rs 0**

1. Certified that the amount of **Rs. 41.85322 Lakhs** mentioned against col. 9 has been utilised on the project / scheme for the purpose for which it was sanctioned and unutilised grant of **Rs 0.01096 Lakhs** is refunded.
2. Certified that we have satisfied ourselves that the conditions on which the grants-in-aid was sanctioned are being fulfilled and that we have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

- Vouching
- Bank Statement scrutinizing



Dr. ANJU T R
Course Coordinator



Programme Coordinator
DBT - Star College Scheme
NEWMAN COLLEGE
Thodupuzha - 685 585




Dr. BIJIMOL THOMAS
Head of the Institution
DR. BIJIMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA

for **V.V.THOMAS & CO.**

Chartered Accountants

FRN.012107S



V V THOMAS, FCA

Proprietor

M. No. 039232

UDIN: 23039232BGVNXT1145





**5. Details of Grant received from National Academy of Science, India
Kerala Chapter**

Name of the Research Project/ Endowment	Digital Library Resources for Teaching, Learning and Research
Name of the Principal Investigator/Co-investigator	Anju T R, Assistant Professor in Biotechnology
Department of Principal Investigator	Biotechnology
Year of Award	2021
Amount Sanctioned in Lakhs (in INR)	0.1 Lakhs
Duration of the Project	1 year
Name of the Funding Agency	National Academy of Science, India, Kerala Chapter
Type (Government/non-Government)	Government



राष्ट्रीय विज्ञान अकादमी, भारत
The National Academy of Sciences, India
KERALA CHAPTER

KAU P.O., Thrissur, Kerala -680 656, INDIA
E-mail: deepu.mathew@kau.in, Phone: 9446478503

Deepu Mathew Ph D,
Professor and Secretary

11 February 2021

Sanction order

To

Anju T.R., Ph. D.
Assistant Professor and Coordinator
Department of Biotechnology
Newman College
Thodupuzha, Kerala - 685 585

National Academy of Sciences, India, Kerala Chapter hereby informs that the Chapter has approved and sanctioned an amount of Rs. 10,000 (Rupees Ten Thousand only) as financial assistance to Department of Biotechnology, Newman College, for conducting one day National Webinar on 'Digital Library Resources for Teaching, Learning and Research' in association with it on February 27, 2021. The amount will be released to reimburse the actual expenses under the approved heads and you may submit a detailed report along with the bills and audited utilization certificate (AUC).

Deepu Mathew

President **Secretary**
National Academy of Sciences India
Kerala Chapter



TINU JOSEPH ACA
Chartered Accountant

Mahima Complex
Temple By-pass Road
Thodupuzha. Idukki
Kerala. Pin - 685 584

UTILIZATION CERTIFICATE

It is certified that an amount of Rs. 10,546/- (Rupees Ten Thousand Five Hundred and Forty Six Only) incurred towards the expenditure for organizing a Webinar on *“Digital Library Resources for Teaching, Learning and Research”* for the purpose for which it is allocated and in accordance with the terms and conditions as laid down by the NASI-Kerala Chapter.

If any excess payment is noticed as a result of check or audit objection at a later stage, we have no objection for refund, adjust or regularization of the objected amount.

Dr. Thomson Joseph
Principal
Newman College



16.03.2021
Tinu Joseph, ACA
Chartered Accountant

M.No: 242133

uDiw. 2i24 2i33A000DB9011

Mob: 09496078882
Email: tj.tinujoseph08@gmail.com



6. Details of Grant received from Energy Management Centre, Department of Power, Government of Kerala

Name of the Research Project/ Endowment	Virya- Effective Utilisation of Solar Energy to Build Self-reliant Villages
Name of the Principal Investigator/Co-investigator	Alex Joseph, Assistant Professor in Chemistry
Department of Principal Investigator	Chemistry
Year of Award	2020
Amount Sanctioned in Lakhs (in INR)	0.33287 Lakhs
Duration of the Project	1 year (2020-2021)
Name of the Funding Agency	Energy Management Centre, Department of Power, Government of Kerala
Type (Government/non- Government)	Government



Energy Management Centre

(State Designated Agency to enforce Energy Conservation Act 2001)

Department of Power, Government of Kerala

Sreekrishna Nagar, Sreekariyam P.O.

Thiruvananthapuram 695 017

Tel : 0471-2594922, 2594924.

E-mail: emck@keralaenergy.gov.in

Website: www.keralaenergy.gov.in

EMC/354/2020-ETB-4(ESS)

16-11-2020

Ms. Sandra Jayakumar
Kalathoor House, Kalayanthani P.O
Alakkode, PIN: 685588

Dear Sandra,

Sub: Award letter for SMALL GRANTS PROGRAM SGP021 -reg

We are happy to inform you that your team **SGP021** under the guidance of **Dr. Alex Joseph** has been selected by the technical committee formulated by Energy Management Centre - Kerala to the final award list of EMC SMALL GRANTS PROGRAM. As per the evaluation done by the technical team EMC is happy to award you an amount of **Rs. 33,287/-** (Rupees Thirty Three Thousand Two Hundred and Eighty Seven only) for your project "Virya - Effective utilization of solar energy to build self-reliant Villages". The award amount will be given to you on a reimbursement basis only after the evaluation of the developed project and project report by the technical team with necessary supporting documents.

We are enclosing a draft format for the affidavit to be prepared, signed and sent by you to EMC Kerala on receipt of this award letter.

Thanking You,

Yours faithfully,

Director (i/c)

Encl: Affidavit Format



7. Details of Grant Received from University Grants Commission

Name of the Research Project/ Endowment	Scheme for Trans-Disciplinary Research for India's Developing Economy, STRIDE
Name of the Principal	Principal
Investigator/Co-investigator	Newman College Thodupuzha
Department of Principal Investigator	
Year of Award	2019
Amount Sanctioned in Lakhs (in INR) Duration of the Project	95 Lakhs 4 years (2019-2023)
Name of the Funding Agency	University Grants Commission, UGC
Type (Government/non-Government)	Government



UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI - 110002

No.F.2-34/2019(STRIDE-I)

January, 2020

✓ The Principal
Newman College,
Mangattukavala, Thodupuzha, Kerala- 685 584

21 JAN 2020

Subject: Approval of grant-in-aid under Recurring & Non-recurring Head for the year 2019-20 under STRIDE, Component-I (Research Capacity Building and Human Resource Development).

Sir/Madam,

I am directed to convey the approval of the University Grants Commission for sanction of an amount of Rs.47,50,000/- (Rupees Forty Seven Lakh Fifty Thousand only), Rs.37,50,000/- for Recurring grant & Rs.10,00,000/- for Non-recurring during the year 2019-20.

Recurring Grant:

Components	By RTGS (in Rs.)
General (76%)	28,50,000/-
SC (16%)	6,00,000/-
ST (8%)	3,00,000/-
Total	37,50,000/-

Non-recurring Grant:

Components	By RTGS (in Rs.)
General (76%)	7,60,000/-
SC (16%)	1,60,000/-
ST (8%)	80,000/-
Total	10,00,000/-

The university/department may also utilize the above grant as per allocation already conveyed vide this office letter of even no. dated 03.12.2019.

Yours faithfully,

(Nirmal Kaur)
Under Secretary



DEVI K.B. & CO
Chartered Accountants

Mahima Complex,
Temple By-pass Road,
Thodupuzha, Idukki,
Kerala - 685584, India

UNIVERSITY GRANTS COMMISSION

STATEMENT OF EXPENDITURE IN RESPECT OF SCHEME FOR TRANS-DISCIPLINARY RESEARCH FOR INDIA'S DEVELOPING ECONOMY (STRIDE) PROJECT

1. Coordinator of the Project- **Dr. Jenni K. Alex**
2. University/College -**Newman College Thodupuzha, Kerala**
3. UGC approval Letter No. and Date – No. F. 2-34/2019(STRIDE-1) - Dated -3rd December 2019
4. a. Period of Expenditure: **From 5th February 2020 to 28th February 2023**
b. Details of Expenditure

(Amount in Rs.)

Sl. No.	Non-Recurring (Item approved)	Grant allocated	Grant Released	Expenditure Incurred	Balance As on 28-02-2023
1	Equipments	20,00,000	10,00,000	10,00,000	0
	Total	20,00,000	10,00,000	10,00,000	0
Sl. No.	Recurring (Item approved)				
1	Core Assistance (Participant Cost and Hiring Services)	39,00,000	19,50,000	19,50,034	(34)
2	Human resources(Subject Experts)Cost	15,00,000	750,000	750,931	(931)
3	Contingencies(Uilities, Stationary and Miscellaneous)	600,000	300,000	300,345	(345)
4	Travel (Domestic and International)	15,00,000	750,000	750,000	0
	Total	95,00,000	47,50,000	47,51,310	(1310)

Certified that the grant has been utilized for the purpose for which it was sanctioned and in accordance with terms and condition attached with the grant.

If as a result of check any audit objection or some irregularity is noticed at a later stage action will be to refund/adjust to regularize the objected amount.

SIGNATURE OF THE
PROJECT COORDINATOR

REGISTRAR/ PRINCIPAL
(Seal)

FINANCE OFFICER



STATUTORY AUDITOR

(Cost Auditor / Chartered Accountant)

(Seal)

DR. BIJIMOL THOMAS
PRINCIPAL
NEWMAN COLLEGE, THODUPUZHA
PEN: 467337.





DEVI K.B. & CO
Chartered Accountants

Mahima Complex,
Temple By-pass Road,
Thodupuzha, Idukki,
Kerala - 685584, India

UNIVERSITY GRANTS COMMISSION

UTILIZATION CERTIFICATE

It is certified that the institution has spent an aggregate amount of Rs. 47,51,310/- (Forty Seven Lakh Fifty One Thousand Three Hundred and Ten Only), against the grant of Rs. 47,50,000 received from the University Grants Commission in favour of The Principal Newman College Thodupuzha to support for Component -1(Research Capacity Building and Human Resource Development) under the **Scheme for Trans-disciplinary Research for India's Developing Economy (STRIDE)** project entitled **An Institutional Research Scheme on the Sustainable Development Initiatives in the Western Ghats in Idukki, Kerala** vide UGC letter No. F. 2-34/2019 (STRIDE-1) dated 3rd December 2019, has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University Grants Commission. There is a minor overspend resulting in a negative balance of Rs. 1,310 (Rupees One Thousand Three Hundred and Ten only). This overspend will be covered internally and doesn't impact the overall financial integrity of the project.

If as a result of check any audit objection or some irregularity is noticed at a later date action will be taken to refund/adjust the objected amounts.

SIGNATURE OF THE
PROJECT COORDINATOR

REGISTRAR/ PRINCIPAL
(Seal)

DR. BIJIMOL THOMAS
PRINCIPAL
NEWMAN COLLEGE, THODUPUZHA
PEN: 467337

STATUTORY AUDITOR
(Govt. Internal Auditor/
Chartered Accountant)

(Seal)





8. Details of Grant Received from Kerala State Council for Science and Technology

Name of the Research Project/	Investigation on Thermoelectric Effect of Thin
Endowment	Film Junctions
Name of the Principal	Indu Sebastian, Assistant Professor in Physics
Investigator/Co-investigator	
Department of Principal Investigator	Physics
Year of Award	2020
Amount Sanctioned in Lakhs (in INR)	0.1 Lakhs
Duration of the project	1 year
Name of the Funding Agency	Kerala State Council for Science and Technology
Type (Government/non-Government)	Government



Kerala State Council for Science, Technology and Environment

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

16.01.2020

Letter No. 00824 /SPS 64/2019/KSCSTE

Dear Dr.Indu Sebastian

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 "Investigation on thermoelectric effect of thin film junctions" submitted by Dr. Indu Sebastian as PI and Ginadev Rajan, Anju Antony, Anagha Venu, Sruthy K S, Nil 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	6000
2	Minor equipments	1500
3	Travel	500
4	Research Literature & Documentation	500
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

Dr. Indu Sebastian, Assistant Professor, Dept. of Physics, Newman College Thodupuzha Pin: 685585

Copy to:

The Principal, Newman College Thodupuzha Pin: 685585

Ginadev Rajan, Anju Antony, Anagha Venu, Sruthy K S, Nil, student(s), Master of Science (MSc), Physics, Newman College Thodupuzha Pin: 685585



9. Details of Grant Received from Kerala State Council for Science and Technology

Name of the Research Project/ Endowment	Development of a Nontoxic Holographic Recording Material
Name of the Principal Investigator/Co-investigator	Beena Mary John, Assistant Professor in Physics
Department of Principal Investigator	Physics
Year of Award	2019
Amount Sanctioned in Lakhs (in INR)	0.1 Lakhs
Duration of the Project	1 year (2018-2019)
Name of the Funding Agency	Kerala State Council for Science and Technology
Type (Government/non-Government)	Government



Kerala State Council for Science, Technology and Environment

Dr. Anilkumar C
Principal Scientist & Head
Science Education Division

07.01.2019

72/SPYTiS-II /2018/KSCSTE

Dear Dr. Beena Mary John,

Sub:- Financial assistance from KSCSTE for SPYTiS project reg.
Ref:- Your application received under SPYTiS Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled 'Development of a nontoxic holographic recording material' submitted by Dr. Beena Mary John as PI and Ms. Unnimaya R, Ms. Grace Tresa Jacob, Ms. Silpa Siby as student investigator(s) has been approved. An amount of Rs. 10000/- is sanctioned by the Council. The budget estimate of the project will be as detailed below.

The PI has to submit the signed 'Terms and Conditions' and the date of start of the project to the Council within two weeks. On completion of the project you should submit one hard copy and a soft copy of the final report (in pdf to sed.spytis@gmail.com), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format to submit final report, SE, UC and bank account details of Head of the Institution can be downloaded from www.kscste.kerala.gov.in

Thanking you,

Yours sincerely,

Anilkumar C

To,

✓ Dr. Beena Mary John, Department of Physics, Newman College, Thodupuzha, Idukki- 685585

Copy to:

The Principal, Newman College, Thodupuzha, Idukki- 685585

Ms. Unnimaya R, Ms. Grace Tresa Jacob, Ms. Silpa Siby, Student (s), Newman College, Thodupuzha, Idukki- 685585

STATEMENT OF EXPENDITURE

Project Title: 'Development of non-toxic holographic recording material'

Name of Institution: Dept. of Physics, Newman College, Thodupuzha


Receipts	Amount (Rs.)	Payments	Amount (Rs.)
1. Amount sanctioned from KSCSTE (to be receivable)	10000/-	1. Analysis	2500/-
		2. Chemicals and Electronics	3000/-
		3. Postal	271/-
		4. Travel	300/-
		5. Photostat	1300/-
		6. Consumables	5000/-
Total	10000/-	Total	12371/-

Certified that I have exercised all kinds of checks to see that the grant has been utilized for the purpose for which it was sanctioned by KSCSTE.

Dr. Beena Mary John

Name & Signature of Principal Investigator



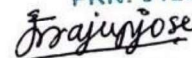

Name & Signature of Head of the Institution
Rev. Dr. VINCENT JOSEPH
PRINCIPAL
NEWMAN COLLEGE
THODUPUZHA

Office Seal



Name & Signature of Chartered Accountant

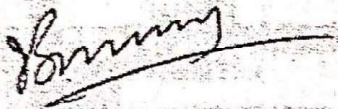
For Maju & Associates
Chartered Accountants
FRN. 012892S


MAJU P. JOSE, B Com, FCA, DISA (ICAI)
Proprietor (M. No: 218668)



UTILIZATION CERTIFICATE

Certified that out of Rs. 10000/- sanctioned by Kerala State Council for Science, Technology and Environment towards financial assistance for the student project titled 'Development of non-toxic holographic recording material', an amount of Rs. 10000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs. 0.00/- at the close of 72/SPYTiS-II/2019/KSCSTE as shown in the Statement of Expenditure annexed.



Name & Signature of
Principal Investigator



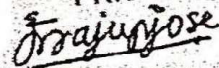
Name & Signature
of Head of the Institution
Rev. Dr. VINCENT JOSEPH
PRINCIPAL
NEWMAN COLLEGE
THODUPUZHA

Office Seal



Name & Signature
of Chartered Accountant

For Maju & Associates
Chartered Accountants
FRN. 012892S



MAJUP. JOSE, B Com, FCA, DISA (ICAI)
Proprietor (M. No: 215669)

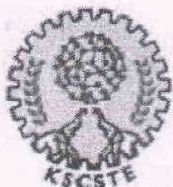


Office Seal



10. Details of Grant Received from Kerala State Council for Science and Technology

Name of the Research Project/ Endowment	Fluorescence Studies on Dye Sensitised PVA Films
Name of the Principal Investigator/Co-investigator	Beena Mary John, Assistant Professor in Physics
Department of Principal Investigator	Physics
Year of Award	2019
Amount Sanctioned in Lakhs (in INR)	0.1 Lakhs
Duration of the Project	1 year
Name of the Funding Agency	Kerala State Council for Science and Technology
Type (Government/non-Government)	Government



Kerala State Council for Science, Technology and Environment

Dr. Anilkumar C
Principal Scientist & Head
Science Education Division

07.01.2019

71/SPYTIS-II/2018/KSCSTE

Dear Dr. Beena Mary John,


Sub:- Financial assistance from KSCSTE for SPYTIS project reg.
Ref:- Your application received under SPYTIS Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled 'Fluorescence studies on dye sensitized PVA films' submitted by Dr. Beena Mary John as PI and Mr. Shinu Antony, Ms. Rani K Roy, Ms. Meghna Pradeep as student investigator(s) has been approved. An amount of Rs. 10000/- is sanctioned by the Council. The budget estimate of the project will be as detailed below.

The PI has to submit the signed "Terms and Conditions" and the date of start of the project to the Council within two weeks. On completion of the project you should submit one hard copy and a soft copy of the final report (in pdf to sed.spytis@gmail.com), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format to submit final report, SE, UC and bank account details of Head of the Institution can be downloaded from www.kscste.kerala.gov.in

Thanking you,

Yours sincerely,


Anilkumar C

To:

✓ Dr. Beena Mary John, Department of Physics, Newman College, Thodupuzha, Idukki- 685585

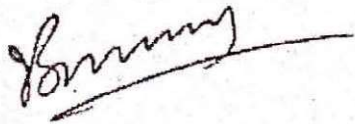
Copy to:

The Principal, Newman College, Thodupuzha, Idukki- 685585

Mr. Shinu Antony, Ms. Rani K Roy, Ms. Meghna Pradeep, Student (s), Newman College,
Thodupuzha, Idukki- 685585

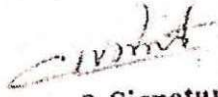
UTILIZATION CERTIFICATE

Certified that out of Rs. 10000/- sanctioned by Kerala State Council for Science, Technology and Environment towards financial assistance for the student project titled 'Fluorescence studies on dye sensitized PVA films', an amount of Rs. 10000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs. 0.00/- at the close of 71/SPYTiS-II/2019/KSCSTE as shown in the Statement of Expenditure annexed.



Dr. Beena Mary John

Name & Signature of
Principal Investigator



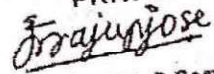
Name & Signature
of Head of the Institution
Rev. Dr. VINCENT JOSEPH
PRINCIPAL
NEWMAN COLLEGE
THODUPUZHA

Office Seal



Name & Signature
of Chartered Accountant

For Maju & Associates
Chartered Accountants
FRN. 012892S



MAJU P. JOSE, B Com, FCA, DISA (ICAI)
Proprietor (M. No: 218662)

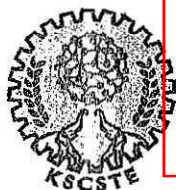


Office Seal



11. Details of Grant Received from Kerala State Council for Science and Technology

Name of the Research Project/ Endowment	Antibacterial Property of Pepper and Green chilly- A Comparative Study
Name of the Principal Investigator/Co-investigator	Anju T R
Department of Principal Investigator	Biotechnology
Year of Award	2019
Amount Sanctioned in Lakhs (in INR)	0.1 Lakhs
Duration of the Project	1 year
Name of the Funding Agency	Kerala State Council for Science and Technology
Type (Government/non-Government)	Government



Kerala State Council for Science, Technology and Environment

Dr. Anilkumar C
Principal Scientist & Head
Science Education Division

07.01.2019

69/SPYTiS-II /2018/KSCSTE

Dear Dr. Anju T R,


Sub:- Financial assistance from KSCSTE for SPYTiS project reg.
Ref:- Your application received under SPYTiS Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled **'Antibacterial property of pepper and green chilli- A comparative analysis'** submitted by **Dr. Anju T R** as PI and Ms. Neethu Gopal as student investigator(s) has been approved. An amount of **Rs.10000/-** is sanctioned by the Council. The budget estimate of the project will be as detailed below.

The PI has to submit the signed 'Terms and Conditions' and the date of start of the project to the Council within two weeks. On completion of the project you should submit one hard copy and a soft copy of the final report (in pdf to sed.spytis@gmail.com), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format to submit final report, SE, UC and bank account details of Head of the Institution can be downloaded from www.kscste.kerala.gov.in

Thanking you,

Yours sincerely,


Anilkumar C

To,

Dr. Anju T R, Department of Biotechnology, Newman College, Thodupuzha, Idukki- 685585

Copy to:

The Principal, Newman College, Thodupuzha, Idukki- 685585

Ms. Neethu Gopal, Student (s), Newman College, Thodupuzha, Idukki- 685585



TINU JOSEPH, ACA
Chartered Accountant

Mahima Complex
Temple By-pass Road
Thodupuzha. Idukki
Kerala. Pin - 685 584

UTILISATION CERTIFICATE

Certified that out of Rs. 10,000/- sanctioned by Kerala State Council for Science, Technology and Environment towards financial assistance for the student project titled 'Antibacterial Property of Pepper and Green Chilli- A Comparative Analysis' (Sanction No.69/SPYTis-II/2018/KSCSTE dated 07.01.2019) an amount of Rs. 11,237/- was utilized for the purpose for which it was sanctioned, as shown in the Statement of Expenditure annexed.

Dr. Anju T R
Co-ordinator

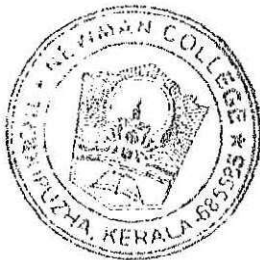
Dr. Thomson Joseph
Principal


16.07.2019

Tinu Joseph, ACA
Chartered Accountant
M.No. 242133

UDIN: 19242133AAAA.CH1017

Dr. THOMSON JOSEPH
PRINCIPAL
NEWMAN COLLEGE
THODUPUZHA





TINU JOSEPH, ACA
Chartered Accountant

Mahima Complex
Temple By-pass Road
Thodupuzha. Idukki
Kerala. Pin - 685 584

AUDITED STATEMENT OF EXPENDITURE AND UTILISATION CERTIFICATE

Project title : Antibacterial Property of Pepper and Green Chilli- A Comparative Analysis
File No./Letter No : 69/SPYTis-II/2018/KSCSTE da Venue: Newman College, Thodupuzha
Organised by : Department of Botany and Biotechnology, Newman College, Thodupuzha

Receipts	Amount (Rs.)	Payments	Amount (Rs.)
1. Amount sanctioned from KSCSTE (to be receivable)	10,000.00	1. Minor Equipments	3,051.00
2. Manager's Contribution	1,237.00	2. Consumables(Chemicals,glassware etc.)	4,006.00
		3. Travel expense	500.00
		4. Contingency(Stationary and similar items)	2,720.00
		5.Others	960.00
Total	11,237.00	Total	11,237.00

Certified that I have exercised all kinds of checks to see that the grant has been utilized for the purpose for which it was sanctioned by KSCSTE vide Council Order No.69/SPYTis-II/2018/KSCSTE, dated 07.01.2019

Dr. Anju T R
Co-ordinator

Dr. Thomson Joseph
Principal

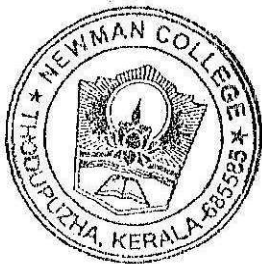


Tinu Joseph
16.04.2019
Tinu Joseph, ACA
Chartered Accountant

M. No.242133

1010119242133AAAACH1017

Dr. THOMSON JOSEPH
PRINCIPAL
NEWMAN COLLEGE
THODUPUZHA



Mob : 09496078882

E-mail : tj.tinujoseph08@gmail.com



12. Details of Grant Received from Kerala State Council for Science and Technology

Name of the Research Project/ Endowment	Health Benefits of Carrot and Beetroot in the Perspective of its Antimicrobial Properties
Name of the Principal Investigator/Co-investigator	Parvathy S, Assistant Professor in Botany
Department of Principal Investigator	Botany
Year of Award	2019
Amount Sanctioned in Lakhs (in INR)	0.1 Lakhs
Duration of the Project	1 year
Name of the Funding Agency	Kerala State Council for Science and Technology
Type (Government/non-Government)	Government



Kerala State Council for Science, Technology and Environment

Dr. Anilkumar C
Principal Scientist & Head
Science Education Division

07.01.2019

70/SPYTiS-II/2018/KSCSTE

Dear Ms. Parvathy S,

Sub:- Financial assistance from KSCSTE for SPYTiS project reg.

Ref:- Your application received under SPYTiS Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled **Health benefits of carrot and beetroot in the perspective of its antimicrobial effects** submitted by Ms. Parvathy S as PI and Ms. Radhika Anilkumar as student investigator(s) has been approved. An amount of **Rs.10000/-** is sanctioned by the Council. The budget estimate of the project will be as detailed below.

The PI has to submit the signed 'Terms and Conditions' and the date of start of the project to the Council within two weeks. On completion of the project you should submit one hard copy and a soft copy of the final report (in pdf to sed.spytis@gmail.com), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format to submit final report, SE, UC and bank account details of Head of the Institution can be downloaded from www.kscste.kerala.gov.in

Thanking you,

Yours sincerely,


Anilkumar C.

To,

Ms. Parvathy S, Department of Botany, Newman College, Thodupuzha, Idukki- 685585

Copy to:

The Principal, Newman College, Thodupuzha, Idukki- 685585

Ms. Radhika Anilkumar, Student (s), Newman College, Thodupuzha, Idukki- 685585



TINU JOSEPH, ACA
Chartered Accountant

Mahima Complex
Temple By-pass Road
Thodupuzha. Idukki
Kerala. Pin - 685 584

UTILISATION CERTIFICATE

Certified that out of Rs. 10,000/- sanctioned by Kerala State Council for Science, Technology and Environment towards financial assistance for the student project titled 'Health benefits of carrot and beetroot in the perspective of its antimicrobial effects.' (Sanction No.70/SPYTis-II/2018/KSCSTE dated 07.01.2019), an amount of Rs. 11,009/- was utilized for the purpose for which it was sanctioned as shown in the Statement of Expenditure annexed.

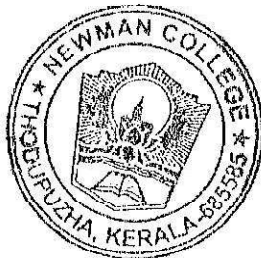
Ms. Parvathy S
Co-ordinator

Dr. Thomson Joseph
Principal
Dr. THOMSON JOSEPH
PRINCIPAL
NEWMAN COLLEGE
THODUPUZHA



Tinu Joseph, ACA
Chartered Accountant
M.No. 242133

UDIN. 19242133AAAACF4495



Mob : 09496078882

E-mail : tj.tinujoseph08@gmail.com



TINU JOSEPH, ACA
Chartered Accountant

Mahima Complex
Temple By-pass Road
Thodupuzha. Idukki
Kerala. Pin - 685 584

AUDITED STATEMENT OF EXPENDITURE AND UTILISATION CERTIFICATE

Project title : Health benefits of carrot and beetroot in the perspective of its antimicrobial effects.

File No./Letter No : 70/SPYTis-II/2018/KSCSTE da Venue: Newman College, Thodupuzha

Organised by : Department of Botany and Biotechnology, Newman College, Thodupuzha

Receipts	Amount (Rs.)	Payments	Amount (Rs.)
1.Amount sanctioned from KSCSTE (to be receivable)	10,000.00	1. Minor Equipments	3,018.00
2. Manager's Contribution	1,009.00	2. Consumables(Chemicals,glassware etc.	4,031.00
		3. Travel expense	500.00
		4. Contingency(Stationary and similar items)	2,460.00
		5.Others	1,000.00
Total	11,009.00	Total	11,009.00

Certified that I have exercised all kinds of checks to see that the grant has been utilized for the purpose for which it was sanctioned by KSCSTE vide Council Order No.70/SPYTis-II/2018/KSCSTE, dated 07.01.2019

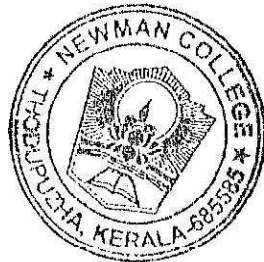
Ms.Parvathy S
Co-ordinator

Dr.Thomson Joseph
Principal
Dr. THOMSON JOSEPH
PRINCIPAL
NEWMAN COLLEGE
THODUPUZHA



16-07-2019
Tinu Joseph, ACA
Chartered Accountant
M. No.242133

UDIN:19242183AAAACF4495





13. Details of Grant Received from Science and Engineering Research Board (SERB), Department of Science and Technology, Govt. of India

Name of the Research Project/ Endowment	Chemically Modified Electroactive Polymer Nanoparticles for Electrochemical Detection of Heavy Metal Ions
Name of the Principal Investigator/Co-investigator	Alex Joseph, Assistant Professor in Chemistry / Bejoy Thomas, Assistant Professor in Chemistry
Department of Principal Investigator	Chemistry
Year of Award	2017
Amount Sanctioned in Lakhs (in INR)	27.0488 Lakhs
Duration of the Project	3 years (2017- 2020)
Name of the Funding Agency	Science and Engineering Research Board (SERB), Department of Science and Technology, Govt. of India
Type (Government/non-Government)	Government

FILE NO. EMR/2016/003755

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: 31-Aug-2017

ORDER

Subject: Financial Sanction of the research project titled "**Chemically modified electroactive polymer nanoparticles for electrochemical detection of heavy metal ions**" under the guidance of Dr. Alex Joseph, Chemistry, NEWMAN COLLEGE THODUPUZHA, Newman college thodupuzha idukki d kerala, india, Idukki, Kerala-695585 and by Dr. Bejoy Thomas, Assistant Professor, Chemistry, NEWMAN COLLEGE THODUPUZHA - Release of 1st grant.

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned project at a total cost of **Rs. 2704880/- (Rs. Twenty Seven Lakh Four Thousand Eight Hundred and Eighty Only)** with break-up of **Rs. 472980/- under Capital (Non-recurring) head** and **Rs. 2231900/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 2704880/-** has been approved are given below:

The following budget may be considered for **NEWMAN COLLEGE THODUPUZHA, NEWMAN COLLEGE THODUPUZHA IDUKKI D KERALA, INDIA**

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Minor equipments	472980
A'	Total (Non-Recurring)	472980
B	Recurring Items	
1	Recurring - A : (Manpower, Consumables, Travel, Contingencies)	1986000
2	Recurring - B : (Overhead Charges)	245900
B'	Total (Recurring)	2231900
C	Total cost of the project (A' + B')	2704880

2. Sanction of the **SERB** is also accorded to the payment of

- **Rs. 472980/-** (Rupees Four Lakh Seventy Two Thousand Nine Hundred and Eighty only) under 'Grants for creation of capital assets' and **Rs. 744000/-** (Rupees Seven Lakh Forty Four Thousand only) under 'Grants-in-aid General' to **Principal, NEWMAN COLLEGE THODUPUZHA, NEWMAN COLLEGE THODUPUZHA IDUKKI D KERALA, INDIA**

being the first installment of the grant for the year 2017-2018 for implementation of the said research project.

3. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)**

This release is being made under **Extra Mural Research Funding (Individual Centric)**. (**PAC Inorganic Physical Chemistry**)

4. The Sanction has been issued to **NEWMAN COLLEGE THODUPUZHA, NEWMAN COLLEGE THODUPUZHA IDUKKI D KERALA, INDIA** with the approval of the competent authority under delegated powers on **28 August, 2017** and vide Diary No. **SERB/F/5665/2017-2018** dated **30 August, 2017**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that **not more than Rs. 1.5 lakh each** should be spent for travel and contingency.

8. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

9. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

10. The release amount of **Rs. 1216980/-** (Rupees Twelve Lakh Sixteen Thousand Nine Hundred and Eighty only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	The Principal
Account Number	67385084474

Bank Name & Branch	STATE BANK OF INDIA STATE BANK OF INDIA, KARIKODE - THODUPUZHA, IDUKKI, KERALA
IFSC/RTGS Code	SBIN0070886
Email id of A/C Holder	principal@newmancollege.ac.in
Email id of PI	alex.chiramattel@gmail.com

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate (UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

13. The project File no. EMR/2016/003755 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.


14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.

15. As this is the first grant being released for the project, no previous U/C is required.

16. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

17. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & 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.


18. 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 & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


 (Dr. Arvind Chaudhary)
 Scientist C
 ipc.serb@gmail.com

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.	<p>Dr. Alex Joseph Chemistry NEWMAN COLLEGE THODUPUZHA, Newman college thodupuzha idukki d kerala, india, Idukki, Kerala-695585 Email: alex.chiramattel@gmail.com Mobile: 919497719239</p> <p>Dr. Bejoy Thomas Chemistry NEWMAN COLLEGE THODUPUZHA (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in.)</p>
5.	<p>Principal, NEWMAN COLLEGE THODUPUZHA, NEWMAN COLLEGE THODUPUZHA IDUKKI D KERALA, INDIA</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>


 (Dr. Arvind Chaudhary)
 Scientist C
 ipc.serb@gmail.com

REQUEST FOR ANNUAL INSTALMENT WITH UP-TO-DATE STATEMENT OF EXPENDITURE

1. SERB Sanction Order No and date : SERB/F/5665/2017-2018, dated 30th August, 2017, (EMR/2016/003755)
2. Name of the PI : Dr. Alex Joseph
3. Total Project Cost : 2,704,880/-
4. Revised Project Cost: (if applicable) : NIL
5. Date of Commencement : October 4th, 2017
6. Statement of Expenditure :
(Month wise expenditure incurred during current financial year)

Month & year	Expenditure incurred/ committed
1st year	Rs. 661,038
2nd Year	Rs. 607,070
3rd Year	Rs. 375,874
4th year	Rs. 327,793

7. Grant received in each year:

- a. 1st Year : 1,216,980.00
- b. 2nd Year : 0.00
- c. 3rd Year : 0.00
- d. Interest, if any : 36,076.00 (DOS to 2nd Oct 2020)
- e. Total (a + b + c + d) : 1,253,056.00

Statement of Expenditure
(to be submitted financial year wise i.e. DOS* to 31st March of that financial year say 20XX, 01-04-20XX till 31.03.20XX+1year and so on)

Sr.no (I)	Sanctioned Heads (II)	Total Funds Allocated (sanctioned) (III)	Expenditure incurred (Financial year-wise) (in Rs)					Balance as on 1st April,2019 (VIII = III - VII)	Requirement of funds upto 4th Oct 2020
			1st Year (DOS to 31st March 2018) (IV)	2nd Year (1st April 2018 to 31st March 2019) (V)	3rd Year (1st April 2019 to 31st March 2020) (VI)	3rd Year (1st April 2020 to 3 rd Oct 2020) (V)	Total Expenditure (VII = III+IV+V)		
1	Manpower costs	9,36,000.00	1,01,400.00	3,00,000.00	3,15,000	1,60,533	8,76,933.00	59,067.00	0
2	Consumables	7,50,000.00	1,22,215.00	87,939.00	36,850	1,41,197	3,88,201.00	3,61,799.00	0
3	Travel	1,50,000.00	-	2,229.00	-	-	2,229	1,47,771.00	0
4	Contingency	1,50,000.00	14,632.00	43,753.00	20,124	26,063	1,04,572.00	45,428.00	0
5	Others if any								
6	Equipment (E)	4,72,980.00	3,69,720.00	-	-	-	3,69,720.00	1,03,260.00	0
7	Overhead Charges	2,45,900.00	53,071.00	1,73,149.00	3,900	-	2,30,120.00	15,780.00	0
	Total	27,04,880.00	6,61,038.00	6,07,070.00	37,5874	3,27,793	19,71,775.00	7,33,105.00	0


Name and Signature of Principal Investigator:


Signature of Chartered Accountant:



* DOS – Date of Start of project

Note:

1. Expenditure under the sanctioned heads, at any point of time, should not exceed funds allocated under that head, without prior approval of SERB i.e. Figures in Column (VIII) should not exceed corresponding figures in Column (III)
2. Utilization Certificate (Annexure III) for each financial year ending 31st March has to be enclosed along with request for carry-forward permission to the next financial year



14. Details of Grant Received from Kerala State Council for Science and Technology, Govt. of Kerala

Name of the Research Project/ Endowment	Selective Augmentation of Research and Development
Name of the Principal Investigator/Co-investigator	Alex Joseph
Department of Principal Investigator	Chemistry
Year of Award	2016
Amount Sanctioned in Lakhs (in INR)	32 Lakhs
Duration of the Project	3 years (2016- 2019)
Name of the Funding Agency	Kerala State Council for Science and Technology, Govt. of Kerala
Type (Government/non-Government)	Government



Kerala State Council for Science, Technology and Environment

No. 002/SARD/2015/KSCSTE

30th June 2

Sir,

Ref: SARD proposal titled "Infrastructure Strengthening of Dept. Of Chemistry, Newman College, Thodupuzha"

This refers to the presentation of the SARD proposal cited above during the meeting held on 20th June 2016 at Sastra Bhavan, Thiruvananthapuram and is to inform you that the proposal is technically approved with the budget as given below.

S. No.	Items	Year 1 (Rs)	Year 2 (Rs)	Year 3 (Rs)	Total (Rs)
1	Equipments				
	Rota evaporator	3,50,000	-	-	30,50,000
	Electrochemical workstation	15,00,000	-	-	
	Fluorescent spectrometer	12,00,000	-	-	
2	Maintenance Support	50,000	50,000	50,000	1,50,000
	Total	31,00,000	50,000	50,000	32,00,000

You are requested to send a letter of acceptance and proforma invoice for the purchase of the equipments at earliest. One copy of the Terms and Conditions may be duly signed by the Co-ordinator and counter signed by the Head of the Institution in a stamp paper worth ₹100/- at the earliest, on receipt of this letter for the issue of the formal order.

Yours sincerely,

Dr. C. Arunan
Head, Basic Science Division
Principal Scientist, KSCSTE

To

Dr. Alex Joseph
Assistant Professor
Department of Chemistry
Newman College, Thodupuzha
Idukki

Sastra Bhavan, Pattom P.O., Thiruvananthapuram - 695 004, Kerala State, India
Tel : 0471 - 2548200-09, EVP - 2543557, 2548222, MS - 2534605, 2548220, CoA - 2543556, 2548248
Fax : 0471 - 2540085, 2534605 e-mail : kscste@gmail.com, www.kscste.kerala.gov.in




V. V. THOMAS & CO.
Chartered Accountants

Mahima Complex,
Temple By-pass Road
Thodupuzha, Idukki,
Kerala. Pin-685584

SARD PROGRAMME


UTILIZATION CERTIFICATE

Certified that out of the grant-in-aid of Rs. 31,00,000/- (Thirty one Lakhs) released by Kerala State Council for Science, Technology and Environment in favour of the Principal/Director Newman College, Thodupuzha vide Council Order No.649/2016/KSCSTE dated 30-06-2016 towards the 1st/2nd/3rd year SARD grant to Dept. of Chemistry, Newman College Thodupuzha, Dr. Alex Joseph as the co-ordinator of the programme, an amount of Rs.30,18,459/- (Thirty Lakhs Eighteen Thousand Four Hundred and Fifty Nine) was utilized for the SARD programme titled "*Infrastructure Strengthening of Department of Chemistry, Newman College, Thodupuzha*" for which it was sanctioned, leaving a balance of Rs. 88,522/- along with interest earned Rs.4,804/- at the close of Second year (October 20th, 2017-October 19th, 2018) as shown in the Statement of Expenditure annexed.


Dr. Alex Joseph


Name & Signature
Of Co-ordinator

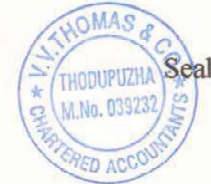
Seal


Name & Signature
of Head of the Institution/
Principal

Seal

Round Seal


Name & Signature
of Chartered Accountant
UDIN : 19039232AAAAAQ5750



SARD PROGRAMME

Statement of Expenditure
Year II (October 20th 2017-October 19th 2018)

Balance as on October 2017	20th	Total Amount Received	Expenditure/Payments	Accrued Interest	Balance
	110,666/-	-	22,144.00	4,804/-	93,326/-
Equipments : Rs 0.00 Consumables : Rs.0.00 Contingency : Rs.0.00 Others : Rs. 0.00		-	Equipments : Rs. 0.00 Consumables : Rs.0.00 Contingency : Rs.0.00 Others :Rs.22,144/-	Rs. 4,804/-	Rs.93,326/-

KSCSTE vide Council Order No.649/2016/KSCSTE Dated 30-06-2016

Date of start of the project : October 20th, 2016


Dr. Alex Joseph

Name & Signature
Of the Co-ordinator

(Seal)



Name & Signature of
of Head of the Institution/
Principal

(Seal)

Round Seal


10/9/19

Name & Signature
Chartered Accountant

UDIN : 19039232AAAA8Q5750

(Seal)

