

FILE NO. TAR/2019/000247
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: 13-Mar-2020

ORDER

Subject: Financial Sanction under Teachers Associateship for Research Excellence (TARE) to **Dr. Stalin Dhas T, Sathyabama Institute Of Science And Technology , Sathyabama University, Jeppiar Nagar, Rajiv Gandhi Road, Chennai, Chennai, Tamil Nadu-600119**- under the mentorship of N. Sujatha, at **Indian Institute of Technology Chennai I.I.T. Post Office Chennai - 600036**- Release of 1st grant.

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned grant at a total cost of **Rs. 18,30,000/- (Rs. Eighteen Lakh Thirty Thousand Only)** for a duration of 36 months.

The date of start of the project will be 28 February, 2020 .The items of expenditure for which the total allocation of **Rs. 18,30,000/-** has been approved are given below:

The following budget is proposed for

Sathyabama Institute Of Science And Technology , Sathyabama University, Jeppiar Nagar, Rajiv Gandhi Road, Chennai, Chennai, Tamil Nadu-600119 (Parent)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 0 (@0/- per month (consolidated))
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

Indian Institute of Technology Chennai I.I.T. Post Office Chennai - 600036 (Host)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 60,000 (on completion of 90 days mandatory attendance in the host institute every year)
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand only)** to **Sathyabama Institute Of Science And Technology, Sathyabama University, Jeppiar Nagar, Rajiv Gandhi Road, Chennai , Rs. 3,35,000/- (Rupees Three Lakh Thirty Five Thousand only)** to **Indian Institute of Technology Chennai I.I.T. Post Office Chennai - 600036** being the first installment of the grant for the year 2019-2020 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 Teachers Associateship For Research Excellence (TARE). (Health Sciences)

4. The Sanction has been issued to with the approval of the competent authority vide Diary No. **SERB/F/10877/2019-2020** dated **11 March, 2020**

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. 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.

8. The release amount of **Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand 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:

Sathyabama Institute of Science and Technology , Sathyabama university, jeppiar nagar, rajiv gandhi road, chennai, Chennai, Tamil nadu-600119 (Parent Institute) :

PFMS Unique Code	SU
Account Name	Sathyabama Institute of Science and Technology - Research
Account Number	6089858032
Bank Name & Branch	Indian bank Sathyabama Institute of Science and Technology, Jeppiaar Nagar, Chennai - 600 119, Tamilnadu
IFSC/RTGS Code	IDIB000S201
Email address of PI	stalin8733@gmail.com
Email id of A/C Holder	registrar@sathyabama.ac.in
Email address of concerned officer	ms_tare@serbonline.in

The release amount of Rs. 3,35,000/- (Rupees Three Lakh Thirty Five Thousand 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:

Indian Institute of Technology Chennai I.I.T. Post Office Chennai - 600036 (Host Institute) :

PFMS Unique Code	IITM
Account Name	The Registrar, Indian Institute of Technology - Madras
Account Number	2722101016150
Bank Name & Branch	CANARA BANK Canara Bank, IIT-Madras Branch, IIT-M Campus Post Office, Sardar Patel Road, Guindy, Chennai 600036
IFSC/RTGS Code	CNRB0002722
Email address of PI	stalin8733@gmail.com
Email id of A/C Holder	deanicsr@iitm.ac.in
Email address of concerned officer	ms_tare@serbonline.in

9. Both the institutes will furnish Utilization certificate (UCs) financial year wise to the SERB and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

10. The institute will maintain separate audited accounts for the fellowship. 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.

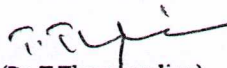
11. The File no. **TAR/2019/000247** may also be mentioned in all research communications arising from the above project with due acknowledgement of **SERB**.

12. As this is the first grant for the fellowship, no previous U/C is required.

13. 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.

14. 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.

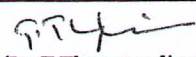
15. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST),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


(Dr. T Thangaradjou)
Scientist E
ms_tare@serbonline.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.	(i) Dr. Stalin Dhas T Centre for Ocean Research Sathyabama Institute of Science and Technology, Sathyabama university, jeppiar nagar, rajiv gandhi road, chennai, Chennai, Tamil nadu-600119 Email: stalin8733@gmail.com Mobile: 918144504346 (ii) N. Sujatha Indian Institute of Technology Chennai I.I.T. Post Office Chennai - 600036 (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.	(i) Registrar, Sathyabama Institute Of Science And Technology, Sathyabama University, Jeppiar Nagar, Rajiv Gandhi Road, Chennai (ii) The Registrar Indian Institute of Technology Chennai I.I.T. Post Office Chennai - 600036 (Receipt of Grant may be intimated by name to the undersigned)


(Dr. T Thangaradjou)
Scientist E
ms_tare@serbonline.in



TAKEDA SCIENCE FOUNDATION

3-6, Doshomachi 2-chome, Chuo-ku,

Osaka 541-0045, Japan

Tel : (06)6233-6101 Fax : (06)6233-6112 www.takeda-sci.or.jp

13 Sep 2019

Dr. Karthick Velu

Sathyabama Institute of Science and Technology
Col. Dr. Jeppiaar Research Park,
Chennai
Tamilnadu
600119
India

Dear Dr. Karthick Velu ,

We are pleased to inform you that you are accepted as a fellow of our International Fellowship Program for the fiscal year of 2020, on the basis of the recommendation made by our Selection Committee.

It is understood that you are to conduct your study on "Tumor specific peptide conjugated self-assembling dendrimer nanomicelles as innovative nanodrug candidates" at National Institute for Materials Science in Ibaraki, Japan.

You will be granted, as a fellow, the expenses of a round trip by air between international airports in India and in Japan as well as the amount of ¥250,000 a month for a period of 12 months of your study.

We wish you good luck in your endeavors.

Sincerely yours,

Yuji Iizawa

Chairman of the Board of Trustees
Takeda Science Foundation

Dated: 09/07/2019

ADMINISTRATIVE ORDER

Sanction of the President is hereby conveyed under Rule 18 of the Delegation of Financial Power Rules 1978 for implementation of the project entitled "**Characterization and DNA barcoding of polychaetes from the South East Coast, India**" by Principal Investigator (PI), **Dr. M. Ravi**, Scientist C, Center for Ocean Research, Sathyabama Institute of Science and Technology, Chennai at a total cost of **Rs.34,52,760/- (Rupees Thirty four lakhs fifty two thousand seven hundred sixty only)** for a period of three years (2019-20 to 2021-22). The details of the project are as under:

2.0 Project Objectives:

- To study the macro-benthic biodiversity with special reference to polychaete taxonomy in various stations of southeast coast of India;
- To decipher the role of physico-chemical variables on the distribution of biological entities as well as seasonal variations on polychaete diversity;
- To extract and purify DNA from tissue of different polychaete species and to amplify a specific region of the Cytochrome c Oxidase Subunit 1 (CO1) by polymerase chain reaction (PCR), and analyze PCR products by gel electrophoresis;
- To use the Basic Local Alignment Search Tool (BLAST) to identify sequences in Data bases;
- To use multiple sequence alignment and tree-building tools to analyze phylogenetic relationships.

2.1 Programme: Characterization and DNA bar-coding of polychaetes from the South East Coast, India.

2.2 Implementing Organization: The project will be implemented by Sathyabama University, Chennai.

2.3 Estimated Project Cost: The total estimated cost of the project is **Rs. 34,52,760/- (Rupees Thirty four lakhs fifty two thousand seven hundred sixty only)** for a duration of three years (2019-20 to 2021-22). The year wise/item-wise fund requirements are as under.

2.4 Budget requirement for the project : (Amount in Rs.)

S.No.	Items	1 st year	2 nd year	3 rd year	TOTAL
1.	Manpower (01- JRF @Rs. 31000/pm+24% HRA for first two years & @Rs.35000/p.m.+24% HRA for third year. 01-field assistant @ Rs. 8000/pm consolidated payment)	557280	557280	616800	1731360
2.	Consumables	200000	200000	150000	550000
3.	Contingency	30000	30000	30000	90000
4.	Travel (within India)	150000	150000	150000	450000
5.	Equipment(Eppendorf Master cycler gradient thermal cycler with Gel documentation system)	400000	00	00	400000
6.	Over head Charges	77600	77600	76200	231400
	TOTAL	1414880	1014880	1023000	3452760

M. S. Ravi
9/7/2019

2.4 **Time Schedule:** The duration of the project is of three years (2019-20 to 2021-22). The detailed work/time schedule is at **Annexure-I**.

2.5 **Description and Manner in which the programme is proposed to be implemented:** The programme will be implemented by **Dr. M. Ravi**, Scientist C, Center for Ocean Research, Sathyabama Institute of Science and Technology, as Project Investigator and **Dr. Radhika Rajasree S.R.** Scientist-E, Sathyabama University and **Dr. P. Murugesan**, Assistant Professor, Centre of Advanced Study in Marine Biology, Annamalai University as Co-PI of the project.

2.6 **Project Monitoring & Evaluation:** Funded project is being monitored and reviewed by Project Appraisal Monitoring Committee (PAMC-OS) constituted by the Ministry vide O.M.No. MoES/36/OOIS/PAMC/2012 dated 27/10/2016.

2.7 **The expenditure will be debited from the following head of account:**

3425	-	Other Scientific Research (Major Head)
60	-	Others
60.200	-	Assistance to other Scientific Bodies
52	-	Research Education Training & Outreach
52.00.31	-	Grants-in-Aid-General

2.8 **Other Terms and Conditions:** The general and other Specific Terms and Conditions are given at **Annexure-II**.

2.9 This issues under powers delegated to this ministry and with the concurrence of IFD vide Dy. No.197/ IFD/5806/2018-19/REACHOUT dated 10/06/2019 also with the approval of Secretary, dated 21/06/2019.

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(Manjula Daniel)

Under Secretary to the Government of India

To

The Registrar,
Sathyabama University, Chennai

Copy to:

1. Cash Section, MoES.
2. The Pay & Accounts Officer, Ministry of Earth Sciences, New Delhi.
3. **Dr. M. Ravi**, Scientist C, Center for Ocean Research, Sathyabama Institute of Science and Technology, as PI of MoES project.
4. **Dr. Radhika Rajasree S.R.** Scientist-E, Sathyabama University as Co-PI of the project.
5. **Dr. P. Murugesan**, Assistant Professor, Centre of Advanced Study in Marine Biology, Annamalai University as Co-PI of the project.
6. Controller of Accounts, MoES/PS to Secretary / PS to JS / IFD/Guard File.

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(Manjula Daniel)

Under Secretary to the Government of India

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Annexure-I**Project Duration:**

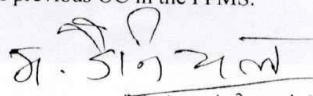
The duration of the project is three years (2019-20 to 2021-22). The work schedules and detailed plan of the implementation with year wise time lines and targets is as under:

S.No.	Activities	6 month	12 month	18 month	24 month	30 month	36 month
1.	Recruitment of research fellow, literature collection, selecting sampling site Purchase and chemical glassware						
2.	Collection of polychaetes samples during different seasons from Chennai, Kanchipuram and Pondicherry districts coastal areas. The polychaetes will be identified by using conventional taxonomy. Extract the DNA from samples and amplified with specific primers for DNA sequencing						
3.	Collection of polychaetes samples during different seasons from Cuddalore, Nagappattinam and Pudukkottai districts coastal areas. The polychaetes will be identified by using conventional taxonomy. Extract the DNA from samples and amplified with specific primers for DNA sequencing						
4.	Collection of polychaetes samples during different seasons from Ramanathapuram, Tuticorin, Tirunelveli and Kanniyakumari districts coastal areas. The polychaetes will be identified by using conventional taxonomy. Extract the DNA from samples and amplified with specific primers for DNA sequencing						
5.	Sequences will be analysis with DAMBE4.5.56, the Kimura two parameters and Neighbor-Joining.						
6.	Documentation and submission of DNA sequences into NCBI database						

Dr. S. S. S. S. S.
9/7/2019

Terms and Conditions:

1. Approval of the research proposal and the grant being released is for the specific project sanctioned and should be exclusively spent on the project within the stipulated time. The Institute is not permitted to seek or utilize funds on any other organization (Government, Semi-Government, Autonomous and Private Bodies) for the concerned research project. Any un-spent balance out of the amount sanctioned must be surrendered to the Government of India through a crossed Cheque/ Demand Draft drawn in favour of Drawing & Disbursing Officer, MoES.
2. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record shall be maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant; and (b) movable property of capital nature where the value exceeds Rs. 1000/-. All Institutes is required to send to the MoES a list of assets acquired out of the grant. All grants shall not be utilized for construction of any building unless specific provision is made for that purpose. Any infrastructure facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.
3. All the assets acquired from the grant will be the property of Government of India and should not be disposed off or encumbered or utilized for purpose other than those for which the grant had been sanctioned, without the prior sanction of this Ministry.
4. At the conclusion/ termination of the project, the Government of India will be finalized to sell or otherwise dispose of the assets which are the property of the Government. The Institute shall surrender to the government necessary facilities for arranging the sale of these assets. Government of India has the discretion to gift the assets to Institute or transfer them to any other institute if it is considered appropriate.
5. The Institute will furnish Annual progress Report of the work on the project on yearly basis. In addition, the MoES will designate Scientist/ Specialist or an Expert Panel to visit the Institute periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realization of the objectives of the project. During the implementation of the project the Institute will provide all facilities to the visiting Scientist/ Specialist or Expert Panel by way of accommodation etc. at the time of their visit.
6. At the time of seeking further installment of grant, the Institute/ PI has to furnish the following documents.
7. Audited Utilization Certificate and Statement of Expenditure in the prescribed format as per GFR, 2017 for the previous financial year (in original or soft copy if sent earlier) duly reflecting interest earned/accrued on the grants received under the project.
8. Latest authenticated Statement of Expenditure including Committed Expenditure, for expenditure since 1st April of that financial year till the previous month; and demand for the remained period of the said financial year.
9. Technical Annual Progress Report, duly authorised and signed by the appropriate authority.
10. The final statement of expenditure with cumulative expenditure statement, UC and project completion report should be submitted within one year from the scheduled date of completion of the project.
11. The grantee organisation will have to enter and upload the UC in the PFMS portal besides sending it in physical form to MoES. The subsequent/final installment will be released only after confirmation of the acceptance of the UC by MoES and entry of previous UC in the PFMS.


Dr. S. S. S. S.

12. A transparent procurement procedure in line with the provisions of GFR, 2017 will be followed by the Institute/organisation under the appropriate rules of the grantee organisation.
13. Request for specific approval of the Department to carry forward the unutilized grant to the next financial year for utilization for the same project, should be sent along with provisional UC, after completion of the financial year.
14. Due acknowledgement of technical support/financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organisation 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.
15. The account of the grantee organisation 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 MoES), whenever the organisation is called upon to do so, as laid down under Rule 236 (1) of GFR, 2017.
16. The institute will maintain separate audited accounts for the project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest thus earned should be reported to the MoES and should be reflected in the Statement of Expenditure. The interest thus earned will be treated as a credit to the Institute to be adjusted towards further installment of grant.
17. The institute will not entrust the implementation of the work for which the grant is being sanctioned to another institution nor will it divert the grant receipts to other institute as assistance. In case the Institute is not in a position to implement or complete the project, it should forward to this Department the entire grant received by it or the balance grant with it.
18. All the personnel including Research personnel appointed under the project, for the full/ part duration of the project, are to be treated as temporary employees and will be governed by the Administrative rules/ service conditions (for leave, HRA/DA etc.) issued by DST's OM No.SR/S9/Z-09/2012, dated 21/10/2014 and GoI's guidelines issued from time to time. They are not to be treated as employees of the Government of India and the MoES will have no liability, whatsoever, for the project staff after completion of the project duration.
19. For the expeditious implementation of the research project, the PI will take the assistance of the Institute in the process of selection and appointment of staff and payment to them. Scale and emoluments for the posts not covered under MoES's OM/DST guidelines are governed by those prevalent in the implementing Institution or as may be decided in consultation with MoES.
20. The MoES reserve the right to terminate the project at any stage if it is convinced that grant has not been properly utilized or appropriate progress has not been made.
21. 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. The interest earned /accrued should be reported to MoES (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate. As per Rule 230(8) of GFR 2017, all interests or other earnings against Grants-in-aid or advances should be mandatorily remitted to the Consolidated Fund of India immediately after finalization of the accounts.
22. Expenditure, Advance and Transfer (EAT) module of PFMS should be activated for the grants released under the project and expenditure under the project shall be monitored through EAT module.

Dr. S. N. S. N.
9/7/2019

MoES/36/OOIS/Extra/53/2016
Government of India
Ministry of Earth Sciences
Prithvi Bhawan, Lodhi Road
New Delhi – 110003

Dated: 09/07/2019

ORDER

In pursuance of the Administrative Order of even No. dated /06/2019, sanction of the Competent Authority under rule 18 of the Delegation of Financial Powers, Rules, 1978 for release of **Rs. 14,14,880/- (Rupees fourteen lakhs fourteen thousand eight hundred eighty only)** as grant-in aid for implementation of the project entitled “**Characterization and DNA barcoding of polychaetes from the South east coast, India**” by Principal Investigator (PI), **Dr. M. Ravi**, Scientist C, Center for Ocean Research, Sathyabama Institute of Science and Technology, Chennai . This is the 1st release for the current financial year as well as first installment of the project. The breakup of the release is as under:

S. No.	Items	Amount in Rupees for FY (2019-20)
1	Manpower (01-JRF @ 31000/pm+24% HRA for first two years & @35000/p.m.+24% HRA for third year, 01-field assistant @ Rs. 8000/pm consolidated payment)	557280
2	Consumables	200000
3	Contingency	30000
4	Travel (within India)	150000
5	Equipment (Eppendorf Master cycler gradient thermal cycler with Gel documentation system)	400000
6	Over head Charges	77600
7	TOTAL	1414880

2. The sanction of the President is also accorded to the release **Rs. 14,14,880/- (Rupees fourteen lakhs fourteen thousand eight hundred eighty only)** to The Registrar, Sathyabama University, Chennai being the first installment of grant under “General Component” for implementation of the above mentioned project.

3. This sanction is subject to the condition that the grantee organization will furnish to the Ministry of Earth Sciences, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SoE) 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 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 the previous Utilization Certificate in the PFMS.

5. 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.

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

(i) A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/ Organization under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant.

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(ii) 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.

7. All the personnel including Research personnel appointed under the project, for the full/part duration of the project are to be treated as temporary employees and will be governed by the Administrative rules/service conditions (for leave, HRA/DA etc) issued by DST's OM No. SR/S9/Z-09/2012, dated 21/10/2014 and GoI's guidelines issued from time to time, they are not to be treated as employees of the Government of India and the MoES will have no liability, whatsoever for the project staff after completion of the project duration.

8. 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. The interest earned /accrued should be reported to MoES (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate. As per Rule 230(8) of GFR 2017, all interests or other earnings against Grants-in-aid or advances should be mandatorily remitted to the Consolidated Fund of India immediately after finalization of the accounts.

9. Expenditure, Advance and Transfer (EAT) module of PFMS should be activated for the grants released under the project and expenditure under the project shall be monitored through EAT module.

10. MOES reserves sole right 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 MoES.

11. In case the scheme provided for payment of honorarium/remuneration fellowship/scholarship to the PI, a para may suitably be incorporated in the DSO to the effect that "PI is not drawing any emoluments/salary/fellowship from any other project either supported by MoES or by any other funding agency.

12. 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 Account Office of the MOES), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

13. Due to acknowledge of technical support/financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letter in all publications/media releases as well as in the opening paragraphs-of their Annual Report during and after the completion of the project.

14. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231(2) of GFR 2017.

15. The expenditure involved is debit able to Demand No.25, Ministry of Earth Sciences for the year 2019-20:

3425	-	Other Scientific Research (Major Head)
60	-	Others
60.200	-	Assistance to other Scientific Bodies
52	-	Research Education Training & Outreach
52.00.31	-	Grants-in-Aid-General

16. The amount of **Rs. 14,14,880/- (Rupees fourteen lakhs fourteen thousand eight hundred eighty only)** will be drawn by the Drawing and Disbursing Officer, MoES and will be disbursed through RTGS in favour of the mentioned below institute as per the following bank details:

Name of the Bank	Indian Bank
Branch Name	Sathyabama Institute of Science and Technology
Branch No.	600019229
Account No.	6089858032
IFSC Code	IDIB000S201

17. As per Rule 234 of GFR 2017, this sanction has been entered at S. No.117 and Page No.80 in the register of grants maintained in the Division for the Scheme Oceanographic Research (Major Head)

18. This issues under powers delegated to this ministry and with the concurrence of IFD vide Dy. No. 197/IFD/5806/2019-20/REACHOUT dated 10/06/2019 also with the approval of Secretary, dated 21/06/2019.

श. शिन्धु
9/7/2019
(Manjula Daniel)

Under Secretary to the Government of India

To

The Pay & Accounts Officer
The Pay & Accounts Office
Ministry of Earth Sciences
New Delhi.

Copy for information & necessary action:

1. Cash Section, MoES.
2. The Registrar, Sathyabama Institute of Science and Technology, Codal provisions and instructions issued by the MoF from time to time on the subject matter should be followed.
3. Dr. M. Ravi, Scientist C, Center for Ocean Research, Sathyabama Institute of Science and Technology, as PI of MoES project.
- ✓ 4. Dr. Radhika Rajasree S.R. Scientist -E, Sathyabama University as Co-PI of the project.
5. Dr. P. Murugesan, Assistant Professor, Centre of Advanced Study in Marine Biology, Annamalai University as Co-PI of the project.
6. Controller of Accounts/Guard File.

श. शिन्धु
9/7/2019
(Manjula Daniel)

Under Secretary to the Government of India

CERTIFICATE FROM THE COLLABORATING INSTITUTIONS

1. Certified that the Centre for Marine Living Resources & Ecology (CMLRE), Ministry of Earth Sciences, Govt. of India, welcome the participation of the following:

Principal Investigators	Co-Principal Investigators	Project titles
1. Dr.Radhika Rajasree S.R.	Dr.D.Inbakandan and Dr.L.Stanley Abraham	"Studies on the implications of engineered nanoparticles and bio-nanocomposites in aquatic animal health"
2. Dr.D.Inbakandan	Dr.L.Stanley Abraham and Dr.Radhika Rajsree S R	"Surface modification nanotechnological approach for antifouling and anticorrosion applications"
3. Dr.L.Stanley Abraham	Dr. D. Inbakandan and Dr.Radhika Rajasree S.R	"Enhancement of marine microbial by-products for biomedical applications"
4. Dr.V.Ganesh Kumar	Dr. L. Stanley Abraham and Dr. K. Govindaraju	"Biofunctionalization nanoparticles for anticancer applications using marine biosources"
5. Dr.K.Govindaraju,	Dr.D.Inbakandan and Dr.V.Ganesh Kumar	"Isolation and identification of bioactive compounds from marine sponges for white spot syndrome virus (WSSV) control"

and that in the unforeseen event of discontinuance by the Principal Investigator, the Co-Principal Investigator from Sathyabama University will assume the responsibility for the fruitful completion of the project (with due information to MoES).

2. Certified that the equipment and other basic facilities and such other administrative facilities as per terms and conditions of the grant, will be extended to the investigator(s) throughout the duration of the project and the Sathyabama University is committed to maintain and utilize the equipments around the year.
3. Certified that the equipments procured out of the grants from MoES will be accessible to other researchers.
4. Certified that data generated out of the project will be made available for use for all research scholars and other scientists.
5. Centre for Marine Living Resources & Ecology (CMLRE), Ministry of Earth Sciences, Govt. of India, will extend its technical guidance and support for the Earth Sciences and Technology Cell (ESTC) to be established in Sathyabama University.
6. The technical collaboration is extended in order to execute the mandate of Ministry of Earth Sciences in exploring the marine resources. Centre for Marine Living Resources & Ecology (CMLRE), Ministry of Earth Sciences, Govt. of India, will not have any financial commitment in establishing the ESTC at Sathyabama University, Chennai.

B. Sheela Rani
22/1/15
Vice Chancellor

Sathyabama University
(Host Institute)

Dr. B. Sheela Rani, M.S. (By Research), Ph.D.
Vice Chancellor
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M. Sudhakar
22/1/15
Director

Centre for Marine Living Resources & Ecology
Ministry of Earth Sciences, Govt. of India
(Collaborating Institute)

डॉ. एम. सुधाकर / Dr. M. Sudhakar
निदेशक / Director
सी.एम.एल.आर.ई. / CMLRE
कोची / Kochi

Date: Chennai

Place: January 22, 2015

CERTIFICATE FROM THE COLLABORATING INSTITUTIONS

1. Certified that the NIOT, Chennai welcome the participation of the following:

Principal Investigators	Co-Principal Investigators	Project titles
1. Dr.Radhika Rajasree S.R.	Dr.D.Inbakandan and Dr.L.Stanley Abraham	"Studies on the implications of engineered nanoparticles and bio-nanocomposites in aquatic animal health"
2. Dr.D.Inbakandan	Dr.L.Stanley Abraham and Dr.Radhika Rajsree S R	"Surface modification nanotechnological approach for antifouling and anticorrosion applications"
3. Dr.L.Stanley Abraham	Dr. D. Inbakandan and Dr.Radhika Rajasree S.R	"Enhancement of marine microbial by-products for biomedical applications"
4. Dr.V.Ganesh Kumar	Dr. L. Stanley Abraham and Dr. K. Govindaraju	"Biofunctionalization nanoparticles for anticancer applications using marine biosources"
5. Dr.K.Govindaraju,	Dr.D.Inbakandan and Dr.V.Ganesh Kumar	"Isolation and identification of bioactive compounds from marine sponges for white spot syndrome virus (WSSV) control"

and that in the unforeseen event of discontinuance by the Principal Investigator, the Co-Principal Investigator from Sathyabama University will assume the responsibility for the fruitful completion of the project (with due information to MoES).

2. Certified that the equipment and other basic facilities and such other administrative facilities as per terms and conditions of the grant, will be extended to the investigator(s) throughout the duration of the project and the Sathyabama University is committed to maintain and utilize the equipments around the year.
3. Certified that the equipments procured out of the grants from MoES will be accessible to other researchers.
4. Certified that data generated out of the project will be made available for use for all research scholars and other scientists.
5. National Institute of Ocean Technology (NIOT), Chennai (*an autonomous society under the Ministry of Earth Sciences*) will extend its technical guidance and support for the Earth Sciences and Technology Cell (ESTC) to be established in Sathyabama University.
6. The technical collaboration is extended in order to execute the mandate of Ministry of Earth Sciences in exploring the marine resources. NIOT, Chennai will not have any financial commitment in establishing the ESTC at Sathyabama University, Chennai.

B. Shweta Rani
19/1/15
Vice Chancellor

Sathyabama University

(Host Institute)

Date: 19/1/15

Place: Chennai - 119.

Dr. B. Shweta Rani M.S (By Research), Ph.D
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Jeppiaar Nagar, Rajiv Gandhi Salai
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M. A. Atmanand
20/1/15

Director

National Institute of Ocean Technology

(Collaborating Institute)

डॉ. म. अ. आत्मानंद / Dr. M. A. Atmanand
निदेशक / Director
राष्ट्रीय समुद्र प्रौद्योगिकी संस्थान /
National Institute of Ocean Technology
पल्लिकरानै / Pallikaranai, चेन्नै / Chennai - 600 100.