



Government of India
Department of Atomic Energy (DAE)
Board of Research in Nuclear Sciences (BRNS)

Shri S. Pramanik
Programme Officer (WWM)

BRNS Secretariat, 316-C,
CFB, BARC, Trombay,
Mumbai - 400085

No: 56/14/03/2020-BRNS/36152

Date: 12/11/2020

OFFICE MEMORANDUM

Sub: **R/P entitled "Development of antifouling technologies against green mussel fouling for process coolingwater system of MAPS" under Dr. D Inbakandan, SO/E-Centre for Ocean Research, Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu, 600119. bearing sanction 56/14/03/2020-BRNS with WWM, BRNS.**

On the recommendations of the Board of Research in Nuclear Sciences (BRNS), I am pleased to convey the administrative approval and sanction of the President of India for the captioned project for **3 years** beginning from financial year **2020-2021** with a total grant of **Rs. 33,97,100/- (Rupees thirty three lakh ninety seven thousand one hundred only)** for the project as under :

Item of expenditure	Year 1 (2020-2021)	Year 2 (2021-2022)	Year 3 (2022-2023)
Staff Salary - JRF	372000	372000	0
Staff Salary - SRF	0	0	420000
Technical Assistance	180000	180000	180000
Consumables	350000	350000	400000
Travel - PI	50000	50000	50000
Overheads	71400	71400	78750
Total(INR)	1023400	1023400	1128750

JRF salary calculated @31,000/- p.m. for first two years and on re-designation by committee on in third year as SRF @ 35,000/- p.m.

Please note that as per the government orders under **Direct Benefit Transfer (DBT)** scheme, the staff salary **has to be transferred to his/her bank account**. Accordingly, Aadhar Number(UID) of the appointed staff, Bank Account details and the Mobile number linked to the bank account should be obtained and it should be intimated to this office.

Overheads calculated @ 7.5% of the other heads except contingency. The remaining 7.5% towards overheads **(Rs. 2,21,550/-)** shall be released only on meeting the requirements specified (See Annex-B).

- I am also pleased to convey the sanction of the President of India to incur an expenditure of **Rs. 10,23,400/- (Rupees ten lakh twenty three thousand four hundred only)** towards grant for the year 2020-2021 .
- The expenditure involved is debitable to: **03 3401 00 004 27 0231**.
- This is issued with the concurrence of the competent authority in the Department.

Pay & Accounts Officer,
DAE, Mumbai - 400 001.

S. Pramanik
13/11/2020
S. Pramanik

Copy forwarded to:

1. Director of Audit, Scientific Department, AEAP, OYC, CSM Marg, Mumbai-400 001.
2. Joint Secretary (R&D), DAE, Anushakti Bhavan, CSM Marg, Mumbai-400 001.
3. Director, Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu, 600119..
4. Principal Investigator(PI): Dr. D Inbakandan, SO/E-Centre for Ocean Research, Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu, 600119..

A. First year grant is being released in full along with this Sanction Letter through Pay & Accounts Officer, Department of Atomic Energy, Anushakti Bhavan, CSM Marg, Mumbai-400 001 directly. You may await a Money transfer (MT) through ECS and The amount would be credited electronically to A/C No: 6089858032, A/C Name: Sathyabama University - Research, IFSC: IDIB000S201, Indian Bank, Sathyabama University Branch, Sollinganallor, Chennai.

i) Acceptance of this sanction and the MT for the amount sanctioned for the first financial year may please be acknowledged (Form-I).

ii) A sticker of the BRNS LOGO (Copy Enclosed) should be pasted on all the items procured under the project.

iii) THIS SANCTION IS FURTHER SUBJECT TO THE CONDITIONS STIPULATED IN ANNEX (ENCLOSED), WHICH MAY BE GONE THROUGH CAREFULLY.

B. Second year Sanction Letter will be issued automatically in the month of April/May of the 2nd financial year, however, the grant will be released (unspent balance of previous year and Interest earned will be adjusted) after the PI submits the following documents to the Programme Officer WWM:

a) Claim in Form-II quoting the reference of the sanction issued for the first year.

b) Utilisation Certificate (UC) as on 31st March of the preceding financial year in Form-III duly audited by the Internal Auditor of the University/ Institution or a Chartered Accountant.

c) Statement of Accounts (SA) as on 31st March of the preceding financial year should be updated on the website. Interest earned in previous year should be reflected in the Statement of Accounts. A printout of the same should be sent to BRNS after it is duly audited by the Internal Auditor of the University/ Institution or a Chartered Accountant.

d) Copy of appointment order and joining report of the staff appointed for the project along with minutes of the Selection Committee, alongwith HRA CLAIM (if applicable), should be uploaded in a single pdf file under the file head "Staff Appointment Details". In addition, the details of the appointed staff should also be updated in the available menu.

e) The inventory of equipment also should be updated in the menu, besides uploading the purchase order of the items costing more than 1 Lakh.

f) A One Page report on the progress of work during first year.

C. Third and subsequent years (if any) the Sanction Letter and the grant will be released on fulfillment of the following requirements:

i) Renewal/ Extension Application: Principal Investigator (PI) is required to upload by January 15 a pdf copy of duly signed renewal/ extension application in the prescribed form-(PRA) after logging into his/her account at <https://brns.res.in>. All applications received shall be examined by experts from the field and PIs may be invited to a Technical Programme Discussion Meeting (TPDM). Renewal of the project will be based on the recommendations of the TPDM, Advisory Committee and the Board.

ii) Sanction Letter: If the progress is found to be satisfactory the renewal sanction for the year will be issued in the beginning of that financial year in April/May.

iii) Claim: On receipt of the renewal sanction, the PI shall claim the funds sanctioned by submitting the following documents to Programme Officer WWM, 316-C, Common Facility Building, BARC, Trombay, Mumbai-400085:

a) Claim in Form-II quoting reference of the renewal sanction.

b) Utilisation Certificate (UC) as on 31st March of the preceding financial year in Form-III duly audited by the Internal Auditor of the University/ Institution or a Chartered Accountant. should be reflected in the Statement of Accounts.

c) Statement of Accounts (SA) as on 31st March of the preceding financial year including the amount of Interest earned in previous year and duly audited by the Internal Auditor of the University/ Institution or a Chartered Accountant.

d) Copy of appointment order and joining report of the staff appointed for the project along with minutes of the Selection Committee.

e) An inventory of equipment and the copy of Purchase order of equipments costing more than 1 Lakh.

D. At the end of Terminal Year the Settlement Grant and the Balance 7.5% Overheads will be released on fulfillment of the following requirements:

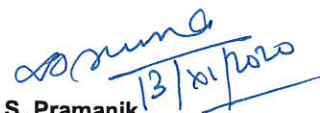
a) Claim Form-II if any,

b) The final Consolidated Statement of Accounts (SA) and Consolidated Utilization Certificate duly audited by an external Chartered Accountant or the Statutory (Govt.) Auditor. It is mandatory to include the amount of bank interest earned on the grant released into the SA.

c) Final Consolidated Progress Report and a brief report as per format given in Form-VII .

5. AAO (Cheque), DAE, Anushakti Bhavan, CSM Marg, Mumbai - 400 001 – With a request that the amount granted for the first year of the project may be released.
6. Member Secretary (WWM) : Dr. A K Ghosh, akghosh@barc.gov.in;
7. Co-Investigator (CI) : Dr. Radhika Rajasree.SR., Centre for Ocean Research (DST-FIST Sponsored Centre) Col. Dr. Jeppiaar Research Park Sathyabama Institute of Science and Technology Chennai - 600 119, Tamil Nadu, India., Email : radhiin@gmail.com, Mobile :9840927503Dr. L. St
8. Project Collaborator (PC): Dr. P. Sriyutha Murthy, SO - E, Biofouling and Thermal Ecology Section Water and Steam Chemistry Division (Chemistry Group, Bhabha Atomic Research Centre) BARC Facilities, Kalpakkam, Tamil Nadu 603 102, Email : psmurthy@igcar.gov.in, Mobile : 044 27480500 Extn. 23341

You or your nominee may please be the DAE representative for selection of Research Fellow/ Research Associate for the project.


S. Pramanik

Note:

1. Please quote the Sanction Number 56/14/03/2020-BRNS in all your correspondence with BRNS



SATHYABAMA

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www.sathyabama.ac.in

Col. Dr. Jeppiaar Research Park

Proforma Invoice for Project / Collaborative Work / Consultancy

Centre : Centre for Research

Date : 18-02-2021

Name of the Student	:	B Prasanth Kumar reddy.
Designation	:	B.tech. Industrial biotechnology
Name of the Internal Guide	:	Remya praveen (Associate Professor)
Affiliation	:	Bharath university, Chennai, 600073
Email ID	:	bijlam prasanth reddy@gmail.com
Mobile No.	:	9600078845
Scientist-In-Charge	:	Dr. Stalin Dhas.T
Nature of work	:	Toxicity of Nanomaterial
Title of the work/Experiment	:	Effect of drug loaded nanomaterial on zebra fish.
Duration	:	Feb - April 2021.

Details of cost Involved

S. No.	Experiment	Cost (Rs.)
1.	Consumables	2000/-
2.	Analytical Instrumentation charge	3000/-
3.	Contingency	1000/-
	Total	5,000/-

IC Signature

Centre Head

Director (Research)

DR no: 1336
Feb 2021

23/2/2021



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Bharath University

Col. Dr. Jeppiaar Research Park

Proforma Invoice for Project / Collaborative Work / Consultancy

Centre : Centre for Research

Date : 18/02/2021

Name of the Student	:	N. Praneeth Reddy
Designation	:	4 th year Industrial Biotechnology B.Tech
Name of the Internal Guide	:	Remya Praveen [Associate Professor]
Affiliation	:	Bharath Institute of Higher Education & Research
Email ID	:	Praneeth Reddy 685@gmail.com
Mobile No.	:	9502644908
Scientist-In-Charge	:	Dr. Stalin Dhas - T
Nature of work	:	Toxicity of nanomaterials
Title of the work/Experiment	:	Effects of drug loaded nanomaterial on zebrafish
Duration	:	Feb - April 2021

Details of cost Involved

S. No.	Experiment	Cost (Rs.)
1.	Consumables	2000/-
2.	Analytical Instrumentation charge	2000/-
3.	Contingency	1000/-
	Total	5000/-

I/C Signature
18/2/21

Centre Head
23/2/21

Director (Research)
23/2/2021

DR no: 1337
B. Shulha
23/2/2021

February
Statement



Dr. Stalintha

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Proforma Invoice for Project / Collaborative Work / Consultancy

Centre : Centre for Research
Date : 18-02-2021

Name of the Student	:	K. Vamsi Krishna
Designation	:	B.Tech, 4 th Year, Industrial biotechnology
Name of the Internal Guide	:	Dr. Remya RR ; Associate professor.
Affiliation	:	Bharath Institute of Higher Education and Research.
Email ID	:	Vamsi.krishnakomra70@gmail.com
Mobile No.	:	9515147523
Scientist-In-Charge	:	DR. STALIN DHAS.T
Nature of work	:	Toxicity of nanomaterial.
Title of the work/Experiment	:	Effect of Drug loaded nanomaterial on zebra fish.
Duration	:	Feb - April 2021.

Details of cost Involved

S. No.	Experiment	Cost (Rs.)
1.	Consumables	2000
2.	Analytical Instrumentation charge	2000
3.	Contingency	1000
	Total	5000/-

I/C Signature

Centre Head

Director (Research)

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Proforma Invoice for Project / Collaborative Work / Consultancy

Centre : Centre for Ocean Research

Date : 20.01.2021

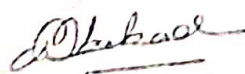
Name of the Student	: Mr. Balasurya S
Designation	: M. Sc Biotechnology, 19MBT004
Name of the Internal Guide	: Dr. B. SURESH, HoD, Dept of Biotechnology
Affiliation	: Sri Krishna Arts and Science College, Coimbatore
Email ID	: balasuryaa99@gmail.com
Mobile No.	: 9952665185
Scientist-In-Charge	: Dr. D. INBAKANDAN
Nature of work	: Marine Biofouling Studies
Title of the work/Experiment	: Studies on the Marine Biofilm Growth
Duration	: 20 th January – 20 th March 2021

Details of cost Involved

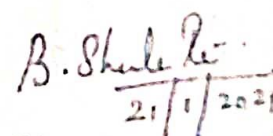
S. No.	Experiment	Cost (Rs.)
1.	Consumables	2000
2.	Analytical Instrumentation charge	2000
3.	Contingency	1000
	Total	5000



I/C Signature
(Research)



Centre Head


21/1/2021

Director

DR Statement
no: 1345
Feb 221 statement



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8
2/3/2021

Col. Dr. Jeppiaar Research Park

Proforma Invoice for Project / Collaborative Work / Consultancy

Centre : Centre for Research

Date : 01/03/2021

Name of the Student	: Ganga Swathi B
Designation	: M.Sc. Biotechnology (Integrated)
Name of the Internal Guide	: Febin Prabhu Doss J
Affiliation	: VIT, Vellore
Email ID	: bgangaswathi@gmail.com
Mobile No.	: 9865768999/9865414999
Scientist-In-Charge	: Dr. M. Ravi
Nature of work	: dsRNA Delivery
Title of the work/Experiment	: dsRNA Delivery
Duration	: 1 st March – 1 st June

Details of cost Involved

S. No.	Experiment	Cost (Rs.)
1.	Consumables	2000
2.	Analytical Instrumentation charge	2000
3.	Contingency	1000
	Total	5000/-

V.C. Signature

Centre Head

Director (Research)

Dr. B. SHEELA NANI, M.S. (by Research)
DIRECTOR (RESEARCH)
SATHYABAMA
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Jondur Nagar, Chennai

DR no: 1334
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Proforma Invoice for Project / Collaborative Work / Consultancy

Centre : Centre for Research

Date : 17/02/2021

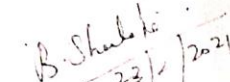
Name of the Student	: Ramya S
Designation	: M.Sc. Biotechnology (Integrated)
Name of the Internal Guide	: Dr. Suneetha. V
Affiliation	: VIT, Vellore
Email ID	: ramshillu99@gmail.com
Mobile No.	: 9629054362 / 9443036889
Scientist-In-Charge	: Dr. M. Ravi
Nature of work	: DNA Vaccine delivery
Title of the work/Experiment	: DNA Vaccine delivery against A. cavie
Duration	: 17 Feb - May 15

Details of cost Involved

S. No.	Experiment	Cost (Rs.)
1	Consumables	2000
2	Analytical Instrumentation charge	2000
3	Contingency	1000
	Total	5000.-


IC Signature


Centre Head


Director (Research)

Dr. S. CHITRA RAMI, M.S. (Research), Ph.D.
DIRECTOR (RESEARCH)
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119



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Proforma Invoice for Project / Collaborative Work / Consultancy

Centre : Centre for Research

Date : 20.01.2021

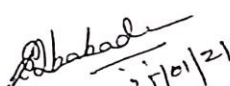
Proforma

Name of the Student	:	MOHAMED NASRUDHEEN . J
Designation	:	M.Sc., STUDENT
Name of the Internal Guide	:	Dr. T. NARGUIS BEGUM
Affiliation	:	JAMAL MOHAMED COLLEGE, TIRUCHIAPPALLI
Email ID	:	nasrudheen.md@gmail.com
Mobile No.	:	6383786154
Scientist-In-Charge	:	Dr. GIOVINDARAJU. K
Nature of work	:	MSc DISSEPTATION WORK
Title of the work/Experiment	:	
Duration	:	THREE MONTHS (20 Jan 2021 - 20 Mar 2021)

Details of cost Involved

S. No.	Experiment	Cost (Rs.)
1.	Consumables	2,000/-
2.	Analytical Instrumentation charge	2,000/-
3.	Contingency	1,000/-
	Total	5,000/-


I/C Signature
(Research)


Centre Head


Director