



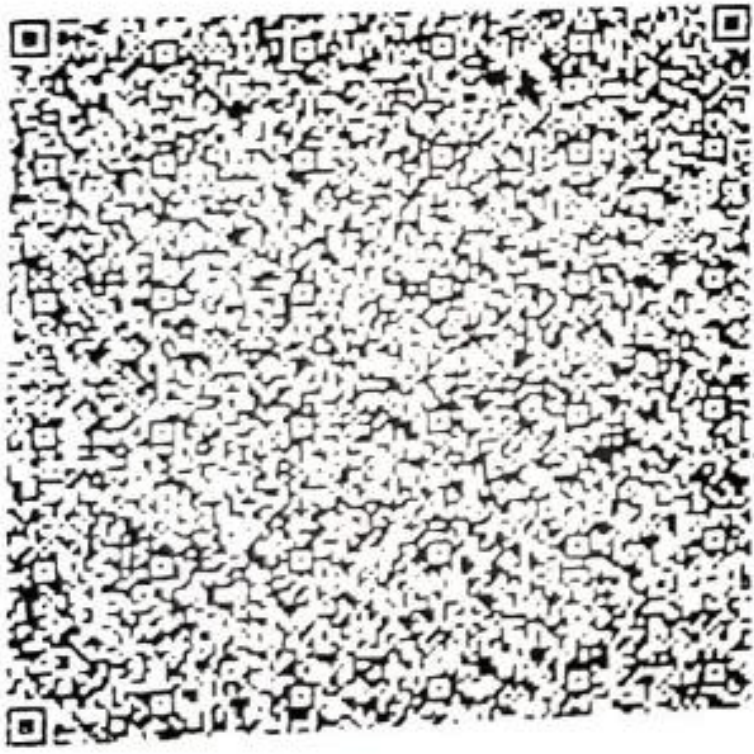
सत्यमेव जयते

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

e-Stamp

Certificate No. : IN-DL54966988034001P  
Certificate Issued Date : 20-Nov-2017 11:58 AM  
Account Reference : IMPACC (SH)/ dlshimp17/ SAKET/ DL-DLH  
Unique Doc. Reference : SUBIN-DLDSLHIMP1711439287967253P  
Purchased by : DIRECTOR NATIONAL MISSION FOR MANUSCRIPT  
Description of Document : Article 58 Memorandum of Settlement  
Property Description : Not Applicable  
Consideration Price (Rs.) : 0  
(Zero)  
First Party : DIRECTOR NATIONAL MISSION FOR MANUSCRIPT  
Second Party : Not Applicable  
Stamp Duty Paid By : DIRECTOR NATIONAL MISSION FOR MANUSCRIPT  
Stamp Duty Amount(Rs.) : 10  
(Ten only)



Please write or type below this line.....

**Memorandum of Understanding Between  
National Mission for Manuscripts**

And

**Dept. of Cultural Studies, Tezpur University, Tezpur  
(Designated by the Mission as Manuscript Conservation Centre)**

Name of the Project: **Commissioning tasks pertaining to Preservation and  
Conservation of Manuscripts for National Mission for Manuscripts.**

This Memorandum of Understanding (MOU) is made on the First day of April in the year Two Thousand Seventeen between the National Mission for Manuscripts, Indra Gandhi National Centre for the Arts, 11, Mansingh Road, New Delhi - 110001 hereinafter referred to as NMM, which expression, unless repugnant to the context, shall include its successors, agents and assignees of the first part and ..*Jagpur..University*..... which expression, unless repugnant to the context, shall include its successors, agents and assignees of the other part hereinafter referred to as ..... MCC, whereby the NMM and ..*Jagpur..University* MCC will collaborate on the projects on Conservation of Manuscripts written on various materials (Organic, Inorganic and Composite Materials such as Paper, Cloth, Palm leaves, Birch bark, Sanchi Pat, Papyrus, Parchment, Leather, Vellum, Metal, Ivory, etc.) and related documents including Preventive and Remedial Conservation, Training, Workshop and Awareness Programmes, on Conservation in institutions and private collections.

### Scope:

The responsibilities of ..*Jagpur..University*.. MCC are preservation and conservation of manuscripts related activities such as:-

- Creating a conservation nucleus in their station of ...*Jagpur, Assam*.....
- Preventive care and Remedial conservation of manuscripts (institutional as well as private collections and at such places where manuscripts are located) in the surrounding areas, giving preference to their own collection.
- Any other responsibility to be taken up through mutual understanding between NMM and the respective MCC and with other MCCs of the state.
- The output of MCCs shall be as follows:
  - The MCCs situated in North East and Hill areas should conserve at least 200 folios through remedial (curative) conservation along with 2000 folios through preventive conservation in a month. Yearly output of MCCs situated in plain areas should not be less than 2400 folios through remedial (curative) conservation and 24000 folios through preventive conservation.
- Additional staff may be engaged with prior permission of the Director, NMM according to the workload on the MCC but within the maximum limit of the annual grant.

(4)

The duration of the project is 3 (Three) years commencing from 01-04-2017 up to 31-03-2020. However, NMM reserves the right to extend or discontinue this MOU and MCC status on the same or modified terms and conditions. The monthly report of the project will be submitted to the Director NMM at the end of every month in electronic format or preferably in print format.

### Human Resources & Remunerations:

Head, Department of Cultural Studies will be the Project Coordinator on Conservation. There will be one conservation team consisting of the following:

- 1. Project Coordinator (MCC):** No new appointment will be made for the Project Coordinator (MCC) but an existing staff, Head of Department / officer of the institution concerned will be made in-charge of the responsibility. The Project Coordinator will be solely responsible for the work undertaken by the MCC. NMM will not deal directly with personnel assigned for such work as survey, documentation, cataloguing, etc. In the event of relinquishing charge by the Project Coordinator new appointment will be made for the same in consultation with NMM. Honorarium to Project Coordinator shall not exceed ₹ 6,000/- per month.
- 2. Conservator:** One Conservator with educational Qualification of Master degree in Art Conservation / Master degree in Fine arts / Master degree Science having chemistry as subject in graduation or in relevant subject to conservation of manuscripts. Training in the Conservation of manuscripts and art objects from a reputed institution of National level with a period not less than six months along with three years' experience of conservation of manuscripts in a museum or any reputed institution can be appointed with monthly remuneration of ₹ 15,000/- as well as with admissible T.A. and D.A. as per the concern state within a ceiling of maximum ₹ 2,000/- per month.
- 3. Assistant Conservator:** One Assistant Conservator with educational qualification Graduation with Science chemistry / Graduation with Fine Arts or relevant subject to conservation. Training in the Conservation of manuscripts/art objects from a reputed institution of National level with a period not less than six months along with two years' experience of conservation of manuscripts in a museum or any reputed institution can be appointed with monthly remuneration of ₹ 12,000/- per month..
- 4. Technical Assistant:** One Technical Assistant with educational qualification of Bachelor degree with Computer Knowledge and six month experience of conservation can be appointed with monthly remuneration of ₹ 8,000/- per month.

The proposed target for preventive conservation is 24000 folios and remedial conservation are 2400 folios per year (i.e. 1: 10 ratio) in said fund of is Rs. 7, 00,000/ (Seven lakhs) per year.

Regarding derailment of staff for training etc. The quantum of work may be divided by 30 and the work for the number of days of participation in the training may be regulated accordingly.

For example: One conservator takes part in a workshop for 10 days:

Work for one month = 200+2000/one team  
Work for one day, for a single person = (3+26)/ 1P  
Work for 10 days = (30+260) 10 = 30+260

in case remedial conservation is done for 30 folios and Preventive Conservation is done for 260 folios, the conservator can be paid full remuneration.

#### **Payment Procedure:**

The payment will be disbursed in three installments to the concerned MCC:

- The first instalment of Rs. 2.5 lakha (Rupees two lakhs fifty thousand only) will be released on signing of the MoU.
- Second instalment of Rs. 2.5 lakhs (Rupees two lakhs fifty thousand only) will be released on furnishing of GFR-19A, Account statement, Copy of voucher for the expenditure of not less than 80% of the amount released as first instalment and statement of account
- Third instalment of Rs. 2 lakhs (Rupees two lakhs only) will be released on furnishing of Utilization Certificate in form GFR-19A, Account statement, Copy of voucher for the expenditure of not less than 80% of the amount released as second instalment and statement of account
- The payment of remunerations, honorariums, and other experience shall be made through digital mode. The statement of accounts duly supported by receipts, detailed of payment accounts and copy of vouchers, shall be submitted. All payments, except petty payments less then Rs. 2,000/- , must be made through electronic clearing system or by cheque.

#### **Reporting:**

Comprehensive monthly report in electronic form or in print form as per the prescribed performs. The report will include such items as details on preventive and remedial conservation of manuscripts in institutions and private collections. as well as on

NMM shall pay up to ₹ 7, 00,000/- (Rupees seven lakhs only) during the financial year. A separate Bank Account, preferably in Canara Bank branch, to be styled as

NMM - Project Coordinator *Jespar... University* MCC to be opened and operated jointly by two signatory's vis-à-vis Project Coordinator and any one of the signatories as authorized by the Head of the Institute or as a separate head in the same institution to be operate as per the MCC's requirement.

The project coordinator shall report immediately to the NMM, in case he/she or his/her institution decides to close the MCC or for any other reason the work of the MCC is stopped at his/her institution, failing which the NMM shall charge interest at a rate of 10% p.a. on the un-utilized balance amount pending with the MCC.

The Project Coordinator shall be responsible for the control of expenditure against the funds needed by MCC.

Expenditures of the MCC will cover establishment expenses (New MCCs only), as well as Remunerations & Honorariums of all staff-members, Office Maintenance Expenses, Photography, Stationeries, Printing / Xerox of documents, Phone, Fax and Internet, T.A. and D.A. of staff-members etc.

- For setting up conservation laboratory where such infrastructure is not available (one-time expenditure) applicable in the case of new MCC.
- The newly established MCC can only utilize an amount of maximum ₹ 1, 50,000/- (One Lakh fifty thousand only) towards establishment of laboratory and purchasing of chemical, conservation equipments and materials, Camera, Connection of Telephone and Internet etc. against which no output will be claimed.
- The initial grant to the new MCC shall ₹ 2, 50,000/- but the total amount of grant for the year shall be remain unchanged i.e. Rs. 7 lakh only.
- The MCC can spend ₹ 10,000/- (Ten Thousand only) for the Awareness Programme on Conservation of manuscripts and maximum two such Awareness Programme can be conducted in each year.
- For the contingencies/conveyance expenditure etc. Of the Project Coordinator (not to exceed a maximum of Rs. 3,000 per month)
- Remuneration of the conservation team will be regulated as under:

Remedial Conservation	-	200 folios (in a month with one team)
Preventive conservation	-	2400 folios (i.e 1; 10 ratio)
Conservator	-	17,000/- per month
Asst Conservator	-	12,000/- per month
Technical Asst	-	8,000/-per month.

training and awareness campaigns/workshops conducted in the area. In addition a Monthly Report indicating quantum of work done along with certification addressed to NMM from the concerned institution where the conservation work has been carried must be sent.

NMM will have to be given information in advance for organizing Awareness Program by the MCC and a report thereof will be submitted by the MCC.

#### Terms of Contract:

- i) The output of the project described in the agreement, together with the materials used or unused, purchased by *Jagpur University* MCC through utilizing the NMM fund is to be submitted by Project Coordinator to the NMM.
- ii) The non-recurring items shall be entered in the project stock register. NMM will share copyright over the materials and will be fully entitled to use the same.
- iii) NMM will have the right to foreclose the project at any time after recording the reasons. If, however, the project is foreclosed by *Jagpur University* MCC, Project Coordinator or the Head of the Institution for whatever reason, which in the opinion of NMM is not justified, the amount of pending advance with interest along with the project assets will be recoverable from *Jagpur University* MCC, Project Coordinator and/or the Head of the Institution. The decision of NMM Executive Committee in this matter shall be final and binding.
- iv) At the end of the financial year the MCC will furnish Annual Progress Report complete in all respects along with the Annual Audit Report.
- v) The MOU shall not be altered, varied or modified, nor any of its provision waived otherwise than by writing signed by both the parties hereto.
- vi) In the event of any dispute arising under, in connection with, incidental to, and / or in interpretation of scope of this MOU or relating thereto, the same shall be referred to a Sole Arbitrator appointed by the Director NMM and the decision of the Arbitrator shall be final and conclusive. The provisions of the Arbitration and conciliation Act, and the statutory modifications amendments and / or re-enactment thereof from time to time shall apply to such arbitration. The place of arbitration shall be at Delhi / New Delhi. The language to be used in arbitral proceedings shall be English and the parties shall bear and pay their own costs, charges and expenses of the proceedings for the arbitration.
- vii) The MOU will be subject to review at the time of disbursement of the second installment and the MCC will operate a separate account/head for the purpose of NMM.
- viii) The project would be subject to assessment and review periodically. As regards the money receipts and payments, the same will be governed by Financial Rules of the Central Government.
- ix) Separate guidelines issued by the NMM will form part of this MOU.

The Courts in Delhi / New Delhi shall have the jurisdiction in respect of all matters, disputes or differences arising out of this MOU.

- xii) This MOU, its existence and all information exchanged between the parties under this MOU shall not be disclosed to any person by the MCC. The MCC shall hold in strictest confidence and shall not use or disclose to any third party and shall take all necessary precautions to secure any confidential information of the other party.
- xii) Except as specifically set forth herein, the rights and obligations hereunder cannot be assigned by MCC to any other party without the prior written consent of NMM.

In WITNESS WHEREOF, THE NMM AND THE TEZPUR UNIVERSITY MCC have executed this MOU on the day, month and the year mentioned above.

Signed by

Biran Das  
Registrar  
Tezpur University  
Tezpur-784023, Assam

For and on behalf of

TEZPUR UNIVERSITY

National Mission for Manuscripts

WITNESS :

- 1. (UPARUL SARMA)  
Assistant Registrar (GT)  
Tezpur University, Assam
- 2. (SUBHRA DEVI)  
Assistant Curator  
National Mission for Manuscripts

WITNESS:

- 1.
- 2.



**COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH**  
EXTRAMURAL RESEARCH DIVISION  
CSIR COMPLEX, PUSA, NEW DELHI - 110 012

REGISTERED

No. 01(2912)/17/EMR-II

From : Head, Human Resources Development Group

Dated : 03-05-17

To

PROF ASHWINI K PHUKAN  
DEPT OF CHEMICAL SC  
TEZPUR UNIV  
NAPAAM 784028 ASSAM

Subject : Grants-in-aid for your scheme entitled : COMPUTATIONAL DESIGN OF FUNCTIONAL AND STRUCTURAL MIMICS OF THE ACTIVE SITE OF (FeFe)-HYDROGENASE

Sir,

I am directed to refer to your proposal for sanction of CSIR Scheme titled above and to convey the approval of DG CSIR as per the details given below.

I	Duration of the Scheme (from the date of Commencement)	36 Months		
II	Staff	NIL		
III	Contingency (per annum in ₹)	1 <sup>st</sup> Year : 80,000	2 <sup>nd</sup> Year : 80,000	3 <sup>rd</sup> Year : 80,000
IV	Equipment (lumpsum in ₹)	3,00,000		

- The above sanction is subject to review of periodical progress of the project by expert committee.
- DG CSIR has also approved the release of the following grants for the period 01/05/2017 to 31/03/2018

No	Grants	Amount (in ₹)
I	Staff	0
II	Contingency	73,333
III	Equipment	3,00,000
Total :		3,73,333

- Sanction of grants is subject to strict compliance of the terms and conditions enclosed or as may be modified from time to time. Please go through the instructions carefully with regard to subsequent release of grants and your obligations under this sanction. The grant for the 1<sup>st</sup> installment will be sent through EFT (Electronic Funds Transfer), to the concerned authority of your institution on receipt of undertaking (form-A), non-funding certificate and EFT Transaction Request Form.

The expenditure is debitable to budget head P81102.

Yours faithfully,

SECTION OFFICER (EMR-II)

Encl : As above

Copy to :-

- Registrar/Principal/Director Tezpur Univ, Napaam, Assam - 784028. The utilisation of grant is subject to compliance of para-1 of the terms and conditions stated overleaf.
- Sr F&AO(EMR) alongwith FVC for first year's grant.



**COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH**  
**EXTRAMURAL RESEARCH DIVISION**  
CSIR COMPLEX, PUSA, NEW DELHI - 110 012

No. 02(0306)/17/EMR-II  
From : Head, Human Resources Development Group

Dated : 05-05-2017

To  
DR SAJAL KUMAR DAS  
DEPT OF CHEMICAL SC  
✓ TEZPUR UNIV  
NAPAAM 784028 ASSAM

Subject : Grants-in-aid for your scheme entitled : ASYMMETRIC TOTAL SYNTHESIS OF MARINE NATURAL PRODUCTS AMMONIFICINS A-D AND THEIR ANALOGS

Sir,

I am directed to refer to your proposal for sanction of CSIR Scheme titled above and to convey the approval of DG CSIR as per the details given below.

I	Duration of the Scheme (from the date of Commencement)	36 Months		
II	Staff	1-RA/JRF/SRF		
III	Contingency (per annum in ₹)	1 <sup>st</sup> Year : 3,00,000	2 <sup>nd</sup> Year : 3,00,000	3 <sup>rd</sup> Year : 3,00,000
IV	Equipment (lumpsum in ₹)	3,89,000 (LS)		

- The above sanction is subject to review of periodical progress of the project by expert committee.
- DG CSIR has also approved the release of the following grants for the period 01/05/2017 to 31/03/2018

No	Grants	Amount (in ₹)
I	Staff	3,96,000
II	Contingency	2,75,000
III	Equipment	3,89,000 (LS)
Total :		10,60,000

- Sanction of grants is subject to strict compliance of the terms and conditions enclosed or as may be modified from time to time. Please go through the instructions carefully with regard to subsequent release of grants and your obligations under this sanction. The grant for the 1<sup>st</sup> installment will be sent through EFT (Electronic Funds Transfer), to the concerned authority of your institution on receipt of undertaking (form-A), non-funding certificate and EFT Transaction Request Form.

The expenditure is debitable to budget head P81102.

Yours faithfully,

*[Signature]*

SECTION OFFICER (EMR-II)

Encl : As above

Copy to :-

- Registrar ~~Principal/Director~~, Tezpur University, NAPAAM-784028 (Assam)   
utilisation of grant is subject to compliance of para-I of the terms and conditions stated overleaf.
- Sr F&AO(EMR) alongwith FVC for first year's grant.



REGISTERED

**COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH**  
EXTRAMURAL RESEARCH DIVISION  
CSIR COMPLEX, PUSA, NEW DELHI - 110 012

No. 02(0312)/17/EMR-II  
From : Head, Human Resources Development Group

Dated : 05-05-2017

To  
PROF SWAPAN K DOLUI  
DEPT OF CHEMICAL SC  
TEZPUR UNIV  
TEZPUR 784028 ASSAM

Subject : Grants-in-aid for your scheme entitled :FUNCTIONALIZED GRAPHENE BASED NANOCOMPOSITES AND THEIR ELECTROCATALYTIC APPLICATIONS IN DIRECT METHANOL FUEL CELLS.

Sir,  
I am directed to refer to your proposal for sanction of CSIR Scheme titled above and to convey the approval of DG CSIR as per the details given below.

		36 Months		
I	Duration of the Scheme (from the date of Commencement)	1-RA/IRF/SRF		
II	Staff	1 <sup>st</sup> Year : 2,00,000	2 <sup>nd</sup> Year : 2,00,000	3 <sup>rd</sup> Year : 2,00,000
III	Contingency (per annum in ₹)	5,00,000 (LS)		
IV	Equipment (lumpsum in ₹)			

- The above sanction is subject to review of periodical progress of the project by expert committee.
- DG CSIR has also approved the release of the following grants for the period 01/05/2017 to 31/03/2018

No	Grants	Amount (in ₹)
I	Staff	3,96,000
II	Contingency	1,83,333
III	Equipment	5,00,000
<b>Total :</b>		<b>10,79,333</b>

- Sanction of grants is subject to strict compliance of the terms and conditions enclosed or as may be modified from time to time. Please go through the instructions carefully with regard to subsequent release of grants and your obligations under this sanction. The grant for the 1<sup>st</sup> installment will be sent through EFT (Electronic Funds Transfer), to the concerned authority of your institution on receipt of undertaking (form-A), non-funding certificate and EFT Transaction Request Form.

The expenditure is debitable to budget head P81102.

Yours faithfully,

*Swati*  
SECTION OFFICER (EMR-II)

Encl : As above

Copy to :-

- Registrar/Principal/Director, Tezpur Univ., Tezpur-784028 (Assam) The utilisation of grant is subject to compliance of para-1 of the terms and conditions stated overleaf.
- Sr F&AO(EMR) alongwith FVC for first year's grant.



REGISTRE

**COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH**  
**EXTRAMURAL RESEARCH DIVISION**  
CSIR COMPLEX, PUSA, NEW DELHI - 110 012

No. 03(1412)/17/EMR-II  
From : Head, Human Resources Development Group

Dated : 4.5.2017

To  
DR(MS) RUPJYOTI GOGOI  
DEPT OF PHYSICS  
TEZPUR UNIV  
NAPAAM 784028 ASSAM

Subject : Grants-in-aid for your scheme entitled : A MULTIWAVELENGTH STUDY OF ACTIVE GALACTIC NUCLEI AND X-RAY SOURCES

Sir,  
I am directed to refer to your proposal for sanction of CSIR Scheme titled above and to convey the approval of DG CSIR as per the details given below.

		36 Months		
I	Duration of the Scheme (from the date of Commencement)			
II	Staff	1-RA 1 SRF 1 JRF - 3 none		
III	Contingency (per annum in ₹)	1st Year : 1,00,000	2nd Year : 1,00,000	3rd Year : 1,00,000
IV	Equipment (lumpsum in ₹)	2,00,000 (LS)		

- The above sanction is subject to review of periodical progress of the project by expert committee.
- DG CSIR has also approved the release of the following grants for the period 01/05/2017 to 31/03/2018

No	Grants	Amount (in ₹)
I	Staff	3,96,000
II	Contingency	91,667
III	Equipment	2,00,000
Total :		6,87,667

- Sanction of grants is subject to strict compliance of the terms and conditions enclosed or as may be modified from time to time. Please go through the instructions carefully with regard to subsequent release of grants and your obligations under this sanction. **The grant for the 1st installment will be sent through EFT (Electronic Funds Transfer), to the concerned authority of your institution on receipt of undertaking (form-A), non-funding certificate and EFT Transaction Request Form.**

The expenditure is debitable to budget head P81102.

Yours faithfully,

*Smita*

SECTION OFFICER (EMR-II)

Encl : As above

Copy to :-

- Registrar/Principal/Director, Tezpur Univ, Napaam - 784028 Assam. The utilisation of grant is subject to compliance of para-1 of the terms and conditions stated overleaf.
- Sr F&AO(EMR) alongwith FVC for first year's grant.

**No. DST/TM/WTI/2K16/95 (G)**  
**Government of India**  
**Ministry of Science & Technology**  
**Department of Science & Technology**  
**(Technology Mission Division)**

Technology Bhavan, New Delhi  
Dated: 15.05.2017

Sanction Order

Subject: Financial support for project entitled "Decentralized water treatment for removal of arsenic, fluoride and mercury from drinking water" submitted by Dr. Robin Kumar Dutta, Tezpur University, Tezpur, Assam.

Sanction of the President is hereby accorded to the approval of the above mentioned project at a total cost of **IRS. 1,00,51,200/- (Rupees one crore fifty one thousand two hundred only)** for a duration of 3 years. The detailed breakup of the grant for General as well as Capital Components are given below:

General Component: Rs. 61,51,200/-

Capital Component: Rs. 39,00,000 /-

S.No	Item	(Amounts are in lakhs)			
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	Total
<b>1.</b>	<b>Capital-</b>				
	a) Atomic Absorption Spectrophotometer (with 5 year AMC) (no. 1)	30.00	-	-	30.00
	b) Ion meter (with ion selective electrodes) (no. 1)	3.00	-	-	3.00
	c) Peristaltic pumps (no. 3)	3.00	-	-	3.00
	d) Pulverizer (no. 1)	1.00	-	-	1.00
	e) Hot-air Oven (no. 1)	1.00	-	-	1.00
	f) PC & Printer (no. 1)	1.00	-	-	1.00
	<b>Total</b>	<b>39.00</b>	-	-	<b>39.00</b>
<b>A</b>	<b>Total</b>				
<b>2.</b>	Manpower	9.504	9.504	9.504	28.512
	a. JRF (no. 6)		3.00	4.00	18.00
<b>3.</b>	Other Costs ( Workshop and training programs, patenting )	11.00			
		2.50	1.50	2.00	6.00
<b>4.</b>	Consumables	1.50	0.50	1.00	3.00
<b>5.</b>	Travel	1.50	0.50	1.00	3.00
<b>6.</b>	Contingencies	1.00	1.00	1.00	3.00
<b>7.</b>	Overhead Charges	27.004	16.004	18.504	61.512
			16.004	18.504	100.512
<b>B</b>	<b>Total</b>	<b>66.004</b>			
	<b>Total (A+B)</b>				

2. The sanction of the President is also accorded to the release of **IRS. 27,00,400/- (Rupees Twenty seven lakh four hundred only)** to **The Registrar, Tezpur University** being the first instalment of Grant under "General Component" for implementation of the above mentioned project.

*Handwritten signature*  
 Sr. E  
 15/5/2017

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

4. The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of 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  
a. A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/Organisation under the appropriate rules of the grantee organisation while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organisation immediately on receipt of the grant:

b. While submitting Utilisation Certificate/Statement of Expenditure, the organisation 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. The grantee organisation 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 DST (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the grantee organisation, which will be adjusted towards future release of grant.

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

9. In case the scheme provides 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 DST or by any other funding agency.

10. 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 DST), whenever the organisation is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

11. 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.

12. 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.

13. The expenditure involved is debitable to-  
Demand No 84 Department of Science and Technology for the year 2017-18  
3425 Other Scientific Research (Major Head)  
60 Others

*Neel Sh*  
*SC E*

60.200  
70  
70.00.31

Assistance to Other Scientific Bodies (Minor head)  
Innovation, Technology Development and Deployment  
Grants-in-aid General for the year 2017-2018(Plan) (WE)  
(Previous: TDP- 3425.60 200.26.01.31- (SERI/WTI))

14. The amount of **RS. 27,00,400/- (Rupees Twenty seven lakh four hundred only)** will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to **The Registrar, Tezpur University**. The bank details for electronic transfer of funds through RTGS are given below:-

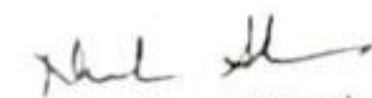
Name of the Account Holder	The Registrar, Tezpur University
Name of the bank	United Bank of India
Branch Address	Main Branch, Tezpur, State Bank of India, Lake Road, Tezpur, Sonitpur, Assam-784001
IFSC code	SBIN0000195
MICR code	784002002
Account Number	30448821505

15. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. S.57... (TMD,WE) in the register of grants maintained in the Division for the scheme (ITDD).

16. The organization/Institute/University should ensure that the technical support/financial assistance provided to them by the Department of Science and Technology should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraph of their Annual Report.

17. It is important that the information and knowledge generated through the use of these funds are made publicly available as soon as possible. In order to achieve the aforementioned objectives, each institution is encouraged to set up its own inter-operable institutional open access repository ("IR") for its research papers and review articles published in peer reviewed journals. The Ministry of Science and Technology has set up a central harvester ([www.sciencecentral.in](http://www.sciencecentral.in)) that will harvest the full text and metadata of these publications. Kindly update the findings accordingly.

18. This issues with the concurrence of IFD Vide their Concurrence Dy. No.412. dated.15.05.2017.


  
(Dr. Neelima Alam)  
Scientist-E  
Email: neelima.alam@nic.in

To

The Pay and Accounts Officer, DST, New Delhi.

Copy for information and necessary action to:

1. Cash Section (3 copies) for preparing the bill and remitting the amount to the above grantee.
2. Accounts Section, DST, New Delhi.
3. IFD, Department of Science & Technology, New Delhi.
4. Director of Audit (CW & M-II), AGCR Building, IP Estate, New Delhi.
5. **Dr. Robin Kumar Dutta**  
Professor  
Department of Chemical Sciences  
Tezpur University, Tezpur 784 028, Assam  
Email : robind@tezu.ernet.in
6. Sanction folder
7. Office Copy
8. Associate Head- TMD

  
(Dr. Neelima Alam)  
Scientist-E

15/05/17, 3:17 PM

162

From: "Dr. Robin Kumar Dutta" <robind@tezu.ernet.in>  
Subject: Extension of JRF for extended period of project No: DST/TM/WTI/2K16/95 (G)  
Date: Fri, May 22, 2020 10:47 pm  
To: deanrnd@tezu.ernet.in

OFFICE OF THE DEAN R&D  
TEZPUR UNIVERSITY

DATE OF RECEIPT ... 26/5/2020  
RECEIPT NO.....  
SIGNATURE ..... 4517

Reference: Project Registration No. DoRD/Chem Sc/RKD/20-326  
Title: "Decentralized water treatment for removal of arsenic..... water"

Respected Sir,

I would like to inform you that the DST-sponsored project mentioned above has been extended by six months till 15 December 2020 as may be seen in the trailing email from DST.

I request you kindly to extend the tenure of the following three of the five existing JRSF mentioned below for two months, i.e., till 15 July:

- (1) Mr. Krishnakamal Hazarika
- (2) Ms. Tushmita Das
- (3) Mr. Shamiran Baroi

To my knowledge, enough fund fund is available in the project, including salary head, which can be utilized in the extended period. As I cannot give you the exact figures of the amount available in the salary head, I a requesting you to extend service of only three of them and for only two months. The services of the other two JRF, namely, Mr. Manaskam Kakoti and Mr. Trishanku Bhuyan have automatically come to an end on 14 may 2020, the date of original completion date. Another JRF, Mr. Asadulla Asraf Ali has already resigned w.e.f. 28 April 2020.

I shall let you know the exact fund situation after lifting of lock-down and accordingly request you for further extension.

I request you kindly to issue extension orders to all three of them with a condition of "subject to availability of fund".

Kind regards,  
Robin Dutta

Dr. Robin Kumar Dutta  
Professor, Department of Chemical Sciences  
Tezpur University, Tezpur 784 028, Assam, INDIA  
Ph: +91 3712 275055 (0)

HP  
26/5/20  
26/5/20

----- Original Message -----  
Subject: Approval for extension of project No: DST/TM/WTI/2K16/95 (G)  
From: "Sanjay Bajpai" <sbajpai@nic.in>  
Date: Fri, March 27, 2020 12:01 pm  
To: robind@tezu.ernet.in  
Cc: "neelima.alam" <neelima.alam@nic.in>  
sanjai.tyagi@nic.gov

Dear Prof Dutta,

This is with reference to your request for extending the project upto 14th November 2020. In view of the societal importance of the project and reasons given for seeking extension and also in view of Covid-19 lockdown after your request , DST approves extension upto 15th December 2020 ( i.e. 6 months beyond scheduled date ) without any additional financial implication.

With best regards,

Dr Sanjay Bajpai , FNAE  
Scientist-G & Head

④

Vishwanath  
Director I/c (RP)  
6690

**Indian Council of Social Science Research**  
(Ministry of Human Resource Development)  
Aruna Asaf Ali Marg, New Delhi - 110067  
EPABX: 26741849-51 Fax: 91-11-26741836  
[rpr@icssr.org](mailto:rpr@icssr.org)

No. 02/285/ST/2016-17/RP

① Demanded  
② F.O.  
for M.A.P.  
15/5/17

Dated: 30.03.2017

Registrar,  
Tezpur University,  
Napaam, Tezpur-784028,  
Assam

Office of the Registrar  
Receipt No ..... 771 .....  
Date ..... 15/5/17 .....  
Received by .....

**Subject: Sanction of Responsive Research Project entitled "A Study on the Acculturation Process of the Missing Tribe of Assam and Arunachal Pradesh to Dr. Uttam Kumar Pegu".**

Dear Sir,

The Indian Council of Social Science Research (ICSSR) considered the above research project submitted by Dr. Uttam Kumar Pegu, Senior Assistant Professor, Department of Mass Communication & Journalism, Tezpur University, Napaam, Tezpur-784028, Sonitpur, Assam.

The Study, as proposed by the researcher/(s), is to be located at and financially administered by your institution as per the guidelines of this award.

The ICSSR has sanctioned a grant-in-aid of Rs. 4,00,000/- (Rupees four lakh only) for the above research project and the grant will be released as follows:

First installment:	Rs.	1,60,000/-
Second installment:	Rs.	1,60,000/-
Final installment:	Rs.	80,000/-
<b>Total</b>	<b>Rs.</b>	<b>4,00,000/-</b>

The break-up budget approved by the ICSSR of Rs. 4.00 Lakh is enclosed.

*[Handwritten Signature]*

Cont'd...2/-

*[Handwritten Signature]*  
22/5/17

The First installment of the approved grant-in-aid will be released after receiving the grant-in-aid bill duly filled in, stamped and signed by the Project Director as well as the affiliating organization. (GIB already received).

In case, the study involves survey research, the finalized schedules/questionnaires (5 copies) designed to elicit information should be sent to the ICSSR as per the following schedule:

- a) If the schedule /questionnaire for eliciting information is as per standard questionnaire, these will have to be sent to ICSSR immediately,
- b) If the schedule /questionnaire for eliciting information are to be designed afresh keeping in view the requirements of the project, these will have to be sent to the ICSSR within a period of six months in any case.

The second installment would be released on receipt of the **12 monthly** progress report on the project to be submitted by the Project Director in the prescribed format (enclosed) and simple statement of expenditure duly certified by the affiliating institution.

The Final installment will be released only after the receipt of the following documents under rule 1.10(3) of the ICSSR Research Grants and acceptance by the ICSSR:

- a) The final Report on the research project (in duplicate) in a publishable form.
- b) A short summary of the project report in duplicate in 2,000-5,000 words.
- c) Such data or information relating to the research project as may be asked for by the ICSSR for preservation in its Data Archives.
- d) The audited statement of accounts for all expenditure incurred together with utilization certificate in GFR 19-A form for the entire amount of the sanctioned grant.
- e) A statement of assets costing over Rs. 100/- and credit out of the project funds. Such assets are required to be donated to the affiliating organization after completion of the project.

The Director of the research project will be **Dr. Uttam Kumar Pegu**. Who will be responsible for its completion within **24 Months** from the date of commencement of the project, which is **25<sup>th</sup> May 2017** as intimated by the scholar.

In case, the Project Director does not submit the periodic/final project report as per schedule with adequate justification, the scholar may be debarred from availing all future financial assistance from ICSSR.



Cont'd...3/-

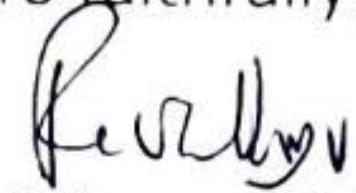
All grants from ICSSR are subject to the general provision of GFR 2005 and in particular with reference to the provision contained in GFR 209, GFR 210, GFR 211 and GFR 212.

The Project Director will ensure that the expenditure incurred by him conforms to the approved budget heads. The grant-in-aid is subject to all the conditions laid down in the ICSSR Research Grants scheme (responsive), available in the ICSSR website [www.icssr.org](http://www.icssr.org)

The expenditure on this account is debitable to the Budget Head-B Programmes Research Grants-Plan **ST. (10) Grant-in-aid** for research project (s).

As per MHRD instruction, the amount of grant sanctioned herein is to be utilized by the end of the project duration. Any amount of the grant remaining unspent shall be refunded to the ICSSR immediately after the expiry of the duration of the project. If the grantee fails to utilize the grant for the purpose for which the amount has been sanctioned/or fails to submit the audited statement of expenditure within the stipulated period, the grantee will be required to refund the amount of the grant with interest thereon @ 10% per annum.

Yours faithfully,



(Revathy Vishwanath)  
For Member Secretary

encl: as above

Copy to:

Dr. Uttam Kumar Pegu  
Senior Assistant Professor,  
Department of Mass Communication & Journalism,  
Tezpur University,  
Napaam, Tezpur-784028,  
Sonitpur, Assam

Finance Branch, ICSSR, New Delhi

Record file



(Revathy Vishwanath)  
For Member Secretary



**REGISTERED**

**COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH**  
**EXTRAMURAL RESEARCH DIVISION**  
CSIR COMPLEX, PUSA, NEW DELHI - 110 012

No. 38(1445)/17/EMR-II  
From : Head, Human Resources Development Group

Dated : 25/5/17

To  
DR SATYA SUNDAR BHATTACHARYA  
DEPT OF ENV SC  
TEZPUR UNIV  
TEZPUR 784028 ASSAM

Subject : Grants-in-aid for your scheme entitled : PROSPECT OF A NOVEL PROTEIN IN EARTHWORM GUT TO MINIMIZE HEAVY METAL RISK IN VERMICOMPOST FOR SUSTAINABLE CROP PRODUCTION

Sir,  
I am directed to refer to your proposal for sanction of CSIR Scheme titled above and to convey the approval of DG CSIR as per the details given below.

I	Duration of the Scheme (from the date of Commencement)	36 Months		
II	Staff	1-RA		
III	Contingency (per annum in ₹)	1 <sup>st</sup> Year : 3,00,000	2 <sup>nd</sup> Year : 3,00,000	3 <sup>rd</sup> Year : 3,00,000
IV	Equipment (lumpsum in ₹)	5,00,000		

- The above sanction is subject to review of periodical progress of the project by expert committee.
- DG CSIR has also approved the release of the following grants for the period 01/05/2017 to 31/03/2018

No	Grants	Amount (in ₹)
I	Staff	3,96,000
II	Contingency	2,75,000
III	Equipment	5,00,000
Total :		11,71,000

- Sanction of grants is subject to strict compliance of the terms and conditions enclosed or as may be modified from time to time. Please go through the instructions carefully with regard to subsequent release of grants and your obligations under this sanction. The grant for the 1<sup>st</sup> installment will be sent through EFT (Electronic Funds Transfer), to the concerned authority of your institution on receipt of undertaking (form-A), non-funding certificate and EFT Transaction Request Form.

The expenditure is debitable to budget head P81102.

Yours faithfully,

*Sunita*

SECTION OFFICER (EMR-II)

25/5/17

Encl : As above

Copy to :-

- Registrar/Principal/Director Tezpur Univ. Tezpur-784028 (Assam)  
utilisation of grant is subject to compliance of para-1 of the terms and conditions stated overleaf.
- Sr F&AO(EMR) alongwith FVC for first year's grant.

8



Madhvendra Narayan  
Exec. Director  
Office of Science)

INDIAN NATIONAL SCIENCE ACADEMY  
Bahadur Shah Zafar Marg, New Delhi - 110 002  
☎ 23221931 - 23221950 (EPABX), Fax : 91-11-23231095,  
23235648  
✉ : ijhs@insa.nic.in

No. HS/RC/ 568  
Dated 5<sup>th</sup> June, 2017

Ref. : "The Science and Technology of Manuscript writing-aids and Folk paintings in Medieval Assam"

2 JUN 2017

Dear Dr. Dutta,

The following grant has been sanctioned by the Academy for the year 2017-18 :

Recommended with the facilities of One Research Assistant @ Rs.14,000/- p.m. and Contingency & Travel of Rs. 60,000/ p.a and 10% overhead charges.

The period was restricted to 2 years only.

The grants in two half yearly installment will be released to the host institution on receipt of the claim bill in the enclosed proforma in triplicate.

1. This sanction is meant for full time research and a Certificate to this effect is required to be furnished.
2. The host institution shall send an audited statement of account at the end of each financial year along with the utilization certificate. The unspent grants at the end of the financial year would be adjusted against the grant to be released for the next year.
3. A detailed progress report of the research study (in five-six pages) shall be of utmost importance for considering the renewal of the project by the Commission.

Please acknowledge the receipt of the letter and communicate to undertake the above study and bill in triplicate for the first installment of the grants through the Head of the host Institution indicating the date from which you propose to commence the project work.

With kind regards,

Yours sincerely,

Madhvendra Narayan  
(Madhvendra Narayan)

Professor Robin Kumar Dutta,  
Department of Chemical Sciences  
Tezpur University  
Napaam  
Tezpur-784028  
Dist Sonitpur, Assam.

CC :

1. The Dean, Research & Development, Tezpur University, Tezpur 784028.
2. AED (Fin. & Admn.)
3. Office Copy

Prof. R. Dutta.

Congratulations!!

Please send us 5 copy of the proposal for registration of this project.

Sanjiv  
19/6/2017

FILE NO. EMR/2016/005294  
**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: 09-Jun-2017

**ORDER**

Subject: Financial Sanction of the research project titled "**Chemistry of Monovalent Group 13 and Divalent Group 14 Bases: A Theoretical Study**" under the guidance of Prof. Ashwini K. Phukan, Chemical Sciences, Tezpur University, Distt. sonitpur p.b.no.72 napaam, tezpur, Tezpur, Assam-784011 - 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. 4377560/- (Rs. Forty Three Lakh Seventy Seven Thousand Five Hundred and Sixty Only)** with break-up of **Rs. 2500000/- under Capital (Non-recurring) head** and **Rs.1877560/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 4377560/-** has been approved are given below:

The following budget may be considered for **Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur**

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> HPC Cluster -> UPS -> Laptop	2500000
		<b>2500000</b>
<b>A'</b>	<b>Total (Non-Recurring)</b>	
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	1479600
2	Recurring - B : (Overhead Charges)	397960
		<b>1877560</b>
<b>B'</b>	<b>Total (Recurring)</b>	
		<b>4377560</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 2500000/- (Rupees Twenty Five Lakh only)** under 'Grants for creation of capital assets' and **Rs. 625800/- (Rupees Six Lakh Twenty Five Thousand Eight Hundred only)** under 'Grants-in-aid General' to **REGISTRAR, Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur**

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

3. The expenditure involved is debitible 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 Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur with the approval of the competent authority under delegated powers on **26 May, 2017** and vide Diary No. **SERB/F/1403/2017-18** dated **06 June, 2017**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://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. 3125800/- (Rupees Thirty One Lakh Twenty Five Thousand Eight Hundred only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	TEZPUR UNIVERSITY R & D
Account Number	30448821505
Bank Name & Branch	STATE BANK OF INDIA MAIN BRANCH, TEZPUR, LAKE ROAD, TEZPUR, SONITPUR, ASSAM-784001
IFSC/RTGS Code	SBIN0000195
Email id of A/C Holder	biren@tezu.ernet.in
Email id of PI	ashwini@tezu.ernet.in

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/2016/005294 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  
ms\_ipc@serbonline.in

To,  
Finance & Budget Officer  
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

FILE NO EMP/2016/002108  
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 09 Jun 2017

**ORDER**

Subject Financial Sanction of the research project titled "Synthesis, characterization and investigation of physicochemical properties of specific ionic liquid (IL) based systems for evaluation of electrochemical and photocatalytic activities" under the guidance of Dr. Ruli Borah, Chemical Sciences, Tezpur Central University, Napaam-784028, Assam, India, Department of chemical sciences, Tezpur central university, Sonitpur, Assam 784028.  
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. 4432560/- (Rs. Forty Four Lakh Thirty Two Thousand Five Hundred and Sixty Only) with break-up of Rs. 2000000/- under Capital (Non-recurring) head and Rs. 2432560/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 4432560/- has been approved are given below:  
The following budget may be considered for Tezpur Central University, Napaam-784028, Assam, India, Department Of Chemical Sciences, Tezpur Central University

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> UV/Visible spectrophotometer -> Ionic conductivity meter -> Karl-Fischer titrator -> Cyclic Voltammetry -> Rotary vacuum evaporator -> Digital Balance -> Minor equipment -> Laser Printer -> Scanner	2000000
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>2000000</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	2029600
2	Recurring - B : (Overhead Charges)	402960
<b>B'</b>	<b>Total (Recurring)</b>	<b>2432560</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>4432560</b>

- Sanction of the SERB is also accorded to the payment of  
• Rs. 2000000/- (Rupees Twenty Lakh only) under 'Grants for creation of capital assets' and Rs. 810000/- (Rupees Eight Lakh Ten Thousand only) under 'Grants-in-aid General' to REGISTRAR, TEZPUR UNIVERSITY, Tezpur Central University, Napaam-784028, Assam, India, Department Of Chemical Sciences, Tezpur Central University  
being the first installment of the grant for the year 2017-2018 for implementation of the said research project.
- 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)
- The Sanction has been issued to Tezpur Central University, Napaam-784028, Assam, India, Department Of Chemical Sciences, Tezpur Central University with the approval of the competent authority under delegated powers on 26 May, 2017 and vide Diary No. SERB/F/1289/2017-18 dated 02 June, 2017
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).
- 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.
- While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 15 lakh each should be spent for travel and contingency.
- 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. 2810000/- (Rupees Twenty Eight Lakh Ten Thousand only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below

Account Name	Tezpur University R & D
Account Number	30448821505
Bank Name & Branch	STATE BANK OF INDIA State Bank of India, Main Branch, Tezpur, Lake Road, Tezpur, Sonitpur, Assam-784001, 91-3712-220592
IFSC/RTGS Code	SBIN0000195
Email id of A/C Holder	registrartu@tezu.ernet.in
Email id of PI	ruli@tezu.ernet.in

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. EMB/2016/002108 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.

*Arvind Chaudhary*  
(Dr. Arvind Chaudhary)  
Scientist C  
ms\_ipc@serbonline.in

To,  
Finance & Budget Officer  
SERB, New Delhi

Copy forwarded for information and necessary action to:-

1.	The Principal Director of Audit, A.C.C.R Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Ruli Borah Chemical Sciences Tezpur Central University, Napaam-784028, Assam, India, Department of chemical sciences, tezpur central university, Sonitpur, Assam-0 Email: ruli@tezu.ernet.in Mobile: 919435380377 (Start date of the project may be intimated by name to the undersigned For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> )
5.	REGISTRAR, TEZPUR UNIVERSITY, Tezpur Central University, Napaam-784028, Assam, India, Department Of Chemical Sciences, Tezpur Central University  (Receipt of Grant may be intimated by name to the undersigned)

*Arvind Chaudhary*  
(Dr. Arvind Chaudhary)  
Scientist C  
ms\_ipc@serbonline.in



Madhvendra Narayan  
Exec. Director  
(History of Science)

INDIAN NATIONAL SCIENCE ACADEMY  
Bahadur Shah Zafar Marg, New Delhi - 110 002  
☎ : 23221931 - 23221950 (EPABX), Fax : 91-11-23231095.  
23235648  
✉ : ijhs@insa.nic.in

Serial No.	935
Date of Receipt	21.06.2017
File No.	
Received by	

No. HS/RC/ 606  
Dated : 9<sup>th</sup> June, 2017

Ref. : "Profiles in History of Science from North East India- A Delineation of One Scientist and Two Medical Institutions of the Region that Trace their Origins back to the 19<sup>th</sup> Century"  
13 JUN 2017

Dear Prof. Deka,

The following grant has been sanctioned by the Academy for the year 2017-18 :

Recommended with the facilities of Honorarium for Co-SPI @ Rs.30,000/- p.m. and Contingency & Travel of Rs. 60,000/ p.a.

The duration of the project was restricted to 2 years only.

The grants in two half yearly installment will be released to the host institution on receipt of the claim bill in the enclosed proforma in triplicate.

1. This sanction is meant for full time research and a Certificate to this effect is required to be furnished.
2. The host institution shall send an audited statement of account at the end of each financial year along with the utilization certificate. The unspent grants at the end of the financial year would be adjusted against the grant to be released for the next year.
3. A detailed progress report of the research study (in five-six pages) shall be of utmost importance for considering the renewal of the project by the Commission.

Please acknowledge the receipt of the letter and communicate to undertake the above study and bill in triplicate for the first installment of the grants through the Head of the host Institution indicating the date from which you propose to commence the project work.

With kind regards,

Yours sincerely,

Madhvendra Narayan  
(Madhvendra Narayan)

Professor Ramesh Ch. Deka  
Department of Chemical Sciences  
Tezpur University, Napaam  
Tezpur 784028.  
CO PI : Dr. Gaurangi Maitra, DBT Nodal Cell for Medical Colleges and Biomedical Research  
Institutes of North East India, Tezpur University, Napaam, Tezpur-784028.

- CC :
1. The Dean, Research & Dean, Tezpur University, Napaam, Tezpur 784028.
  2. AED (Fin. & Admn.)
  3. Office Copy

Prof. R.C. Deka - Please forward the project proposal, mention the total budget of the project & date of start for issuing registration no.  
D. Singh  
21/6/2017

FILE NO. ECR/2017/000740

**SCIENCE & ENGINEERING RESEARCH BOARD (SERB)**

(a statutory body of the Department of Science &amp; Technology, government of India)

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

Dated: 27-Jun-2017

**ORDER**

Subject: Financial Sanction of the research project titled "**Development of Eutrophication Model for Rural Water Bodies of Assam, India**" under the guidance of Dr. Kamal Uddin Ahamad, Civil Engineering, Tezpur University, Tezpur university, napaam 784028, assam, india, Sonitpur, Assam-784028 - 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. 2426710/-** (Rs. Twenty Four Lakh Twenty Six Thousand Seven Hundred and Ten Only) with break-up of **Rs. 670100/- under Capital (Non-recurring) head** and **Rs. 1756610/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 2426710/-** has been approved are given below:  
The following budget may be considered for **Tezpur Univesity, Tezpur University, Napaam 784028, Assam, India**

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> DO Meter -> UV-Visible Spectrophotometer -> BOD Incubator	670100
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>670100</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	1536000
2	Recurring - B : (Overhead Charges)	
<b>B'</b>	<b>Total (Recurring)</b>	<b>220610</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>1756610</b>
		<b>2426710</b>

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

- **Rs. 670100/-** (Rupees Six Lakh Seventy Thousand One Hundred only) under 'Grants for creation of capital assets' and **Rs. 585530/-** (Rupees Five Lakh Eighty Five Thousand Five Hundred and Thirty only) under 'Grants-in-aid General' to **REGISTRAR, Tezpur Univesity, Tezpur University, Napaam 784028, Assam, 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 Early Career Research Award. (EC Engineering Sciences)**

4. The Sanction has been issued to Tezpur Univesity, Tezpur University, Napaam 784028, Assam, India with the approval of the competent authority under delegated powers on **16 June, 2017** and vide Diary No. **SERB/F/2010/2017-18 dated 22 June, 2017**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://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. 1255630/-** (Rupees Twelve Lakh Fifty Five Thousand Six Hundred and Thirty only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	REGISTRAR TEZPUR UNIVESTITY
Account Number	30448821505

Bank Name & Branch	STATE BANK OF INDIA MAIN BRANCH, TEZPUR, LAKE ROAD, TEZPUR, SONITPUR, ASSAM 784001, 91-3712-220592
IFSC/RTGS Code	SBIN0000195
Email id of A/C Holder	registrartu@tezu.ernet.in
Email id of PI	k.ahamad@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. ECR/2017/000740 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

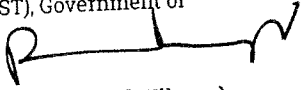
14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project

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.

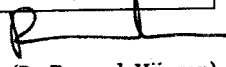
18. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST),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

  
(Dr. Ramesh Vijayan)  
SCIENTIST-C  
drvramesh@serb.gov.in

To,  
Finance & Budget Officer  
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. Kamal Uddin Ahamad Civil Engineering Tezpur University, Tezpur university, napaam 784028, assam, india, Sonitpur, Assam-784028 Email: k.ahamad@gmail.com Mobile: 919678071266 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> )
5.	REGISTRAR, Tezpur University, Tezpur University, Napaam 784028, Assam, India (Receipt of Grant may be intimated by name to the undersigned)

  
(Dr. Ramesh Vijayan)  
SCIENTIST-C  
drvramesh@serb.gov.in

Dated: 30-Jun-2017

**Subject:** Financial Sanction of the research project titled "Site-specific Functionalization of Nitrogen based Heterocyclic moieties via C-H activation" under the guidance of Dr. Utpal Bora, Chemical Sciences, Tezpur University, Napaam-784028, tezpur district sonitpur assam, Sonitpur, Assam-784028 - Release of 1st grant.

**ORDER**

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 4872560/- (Rs. Forty Eight Lakh Seventy Two Thousand Five Hundred and Sixty Only) with break-up of Rs. 2100000/- under Capital (Non-recurring) head and Rs. 2772560/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 4872560/- has been approved are given below:  
 The following budget may be considered for Tezpur University, Napaam-784028, Tezpur District Sonitpur Assam

S.No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> Organic Synthesizer Process Station -> Microwave synthesizer -> Rotavapour	2100000
<b>A'</b>	<b>Total (Non-Recurring)</b>	
<b>B</b>	<b>Recurring Items</b>	2100000
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	2329600
2	Recurring - B : (Overhead Charges)	442960
<b>B'</b>	<b>Total (Recurring)</b>	2772560
<b>C</b>	<b>Total cost of the project (A' + B')</b>	4872560

- Sanction of the SERB is also accorded to the payment of
  - Rs. 2100000/- (Rupees Twenty One Lakh only) under 'Grants for creation of capital assets' and Rs. 923000/- (Rupees Nine Lakh Twenty Three Thousand only) under 'Grants-in-aid General' to Registrar, Tezpur University, Tezpur University, Napaam-784028, Tezpur District Sonitpur Assam being the first installment of the grant for the year 2017-2018 for implementation of the said research project.
- The expenditure involved is debit to Fund for Science & Engineering Research (FSER) This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Organic Chemistry)
- The Sanction has been issued to Tezpur University, Napaam-784028, Tezpur District Sonitpur Assam with the approval of the competent authority under delegated powers on 16 June, 2017 and vide Diary No. SERB/F/1959/2017-18 dated 21 June, 2017
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).
- 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.
- 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.
- 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.
- The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.
- The release amount of Rs. 3023000/- (Rupees Thirty Lakh Twenty Three Thousand only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	Registrar, Tezpur University
Account Number	30448821505
Bank Name & Branch	State Bank of India Main Branch, Tezpur, Lake Road, Tezpur, Sonitpur, Assam-784001, 9 L-3 7 L2-220592

IFSC/RTGS Code	SBIN0000195
Email id of A/C Holder	biren@tezu.ernet.in
Email id of PI	utbora@yahoo.co.in

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/2016/005944 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.

*Monika Agarwal*

(Dr. Monika Agarwal)  
Scientist E  
monika@serb.gov.in

To,  
Finance & Budget Officer  
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. Utpal Bora Chemical Sciences Tezpur University, Napaam-784028, tezpur district sonitpur assam, Sonitpur, Assam-784028 Email: utbora@yahoo.co.in Mobile: 919957640685 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	Registrar, Tezpur University, Tezpur University, Napaam-784028, Tezpur District Sonitpur Assam (Receipt of Grant may be intimated by name to the undersigned)

*Monika Agarwal*

(Dr. Monika Agarwal)  
Scientist E  
monika@serb.gov.in

भारतीय अन्तरिक्ष अनुसंधान संगठन  
अन्तरिक्ष विभाग  
भारत सरकार  
अन्तरिक्ष भवन  
एच.एल. रोड, बेंगलूर - 560 231, भारत  
दूरभाष : + 91 80 2341 5474  
फैक्स :

इसरो

Indian Space Research Organisation  
Department of Space  
Government of India  
Antariksh Bhavan  
New DEL Road, Bangalore - 560 231, India  
Telephone : + 91 80 2341 5474  
Fax :

Dr. M. A. Paul  
Dy. Director, RESPOND

☎ : 080-23415269/22172269  
FAX-080-23412471  
email: ddrespond@isro.gov.in

ISRO/RES/4/642/17-18

June 7, 2017

Dear Dr. Bhabesh Deka,

**Subject: RESPOND Project - "Development of a Real-time Image Super-resolution System using Parallel Processing Hardware for Remote Sensing Applications" - reg.**

This has reference to your submission of the above mentioned research proposal for funding under RESPOND Programme. The domain experts in Department of Space have reviewed the proposal. I wish to inform you that Chairman, ISRO / Secretary, DOS has approved the following:

1. Funding of the project under RESPOND Programme for a period of **Three Years** at a total outlay of **₹25.79 Lakhs (Rupees Twenty Five Lakhs and Seventy Nine Thousand only)** towards meeting the expenditure of the project (budget details enclosed).
2. Release of grant of **₹16.30 Lakhs (Rupees Sixteen Lakhs and Thirty Thousand only)** towards meeting the First Year expenditure of the project.

The approval is subject to fulfillment of the following:

- (a) You will have to submit Annual Progress Report (APR), at the end of the year, indicating the progress of the work accomplished during the first year (to enable renewal of the project for second year). However, on conclusion of the project, you will have to send a comprehensive report covering total project activities. The copies of reports should be sent to **Director, NRSC, Hyderabad (Attn: Shri Srinivas RVN, Respond Coordinator, NRSC, Hyderabad)** and two copies to the undersigned.
- (b) You will have to submit two copies of the Fund Utilization Certificate (FUC) and Audited Accounts Statement (AAS) on completion of the first year of the project (to enable renewal of the project for second year). On completion of the project, you have to send the final FUC and Audited Account Statement for the total expenditure incurred in the project.

भारतीय अन्तरिक्ष अनुसंधान संगठन / Indian Space Research Organisation

The FUC and AAS should be sent to the Pay & Accounts Officer, Department of Space, Antariksh Bhavan, New BEL Road, Bengaluru 560231; Director, NRSC, Hyderabad (Attn: Shri Srinivas RVN, Respond Coordinator, NRSC, Hyderabad) with a copy to the undersigned.

The Department of Space has already issued Financial sanction order for the approved grant (copy enclosed).

As per the revised fellowship norms, you have to appoint a person with PG Degree in Basic Science with NET or equivalent qualification or Graduate Degree in Professional course with NET/GATE or equivalent qualification or PG Degree in Professional course as JRF. You may kindly intimate us and send the details of JRF after appointment.

You are requested to send the enclosed Grant-In-Aid bill and Electronic Transfer Mandate Form duly filled and signed in original to the Pay and Accounts Officer, Department of Space, Antariksh Bhavan, New BEL Road, Bengaluru 560 231 with a copy to the undersigned for releasing the grants (to Registrar, Tezpur University, Assam) at the earliest

With Regards,

Yours sincerely,

M A Paul  
(M.A Paul)

**Dr. Bhabesh Deka**  
Associate Professor  
Department of ECE  
Tezpur University, Tezpur  
Sonitpur : 784 028  
Assam.

CC: Scientific Secretary, ISRO  
Director, NRSC, Hyderabad  
Vice Chancellor, Tezpur University, Tezpur, Assam  
Registrar, Tezpur University, Tezpur, Assam  
Ms. Archana Pragada, MRS&GDP, NRSC, Hyderabad  
Shri Srinivas RVN, Respond Coordinator, NRSC, Hyderabad

Re: Regarding Adjustment of Funds under TRAVELLING HEAD (ISRO/RES/4/642/17-18 dt. 07.06.2017)

"krishnaiah\_p" <krishnaiah\_p@nrsc.gov.in>  
ct: Re: Regarding Adjustment of Funds under TRAVELLING HEAD (ISRO/RES/4/642/17-18 dt. 07.06.2017)  
Fri, March 12, 2021 12:38 pm  
"Prof. Bhabesh Deka" <bdeka@tezu.ernet.in>  
"avv >> PRASAD A V V" <prasad\_avv@nrsc.gov.in>

Sir,

Please find the recommendations of RESPOND committee for your reference.

Yours,  
Krishnaiah

On 03-03-2021 11:57, Prof. Bhabesh Deka wrote:  
Dear Sir,

In reference to our Respond project titled "Development of a Real-time Super-Resolution System using Parallel Processing Hardware for Remote Sensing Applications (ISRO/RES/4/642/17-18 dt. 07.06.2017)", I would like to inform you that our project was extended up to March 31, 2021 due to the COVID 19 pandemic without extra budgetary allotment for fellowships and other recurring heads.

As the fellowship grant was up to September 2020, the SRF is working till now without fellowships, who is also pursuing her PhD under my supervision. Since, the remaining works under the RESPOND project have to be completed by 31 March 2021 and submit the final report thereafter, the SRF needs to work under the project until the completion of the project. However, we do not have any FELLOWSHIP grant left under the project funds.

In this situation, since we did not travel for presentation of our progress in the last year 2020, which was held online in September 2020, I request your kind self to allow us to adjust the unspent remaining amount under "Travelling" Head of the Recurring Expenditure Released during the 2019-20 for releasing Fellowships for the SRF for 2 (TWO) months.

This request is for your information and approval please.

Yours,  
Prof. Sir,

Personal Greetings!!

In reference to our Respond project titled "Development of a Real-time Super-Resolution System using Parallel Processing Hardware for Remote Sensing Applications (ISRO/RES/4/642/17-18 dt. 07.06.2017)", I would like to inform you that the remaining GPU-CUDA part of the project is NOW completed and this CUDA-GPU based parallel multispectral remote sensing super-resolution algorithm gives tremendous speed-up as compared to other sequential methods as well as good visual quality image.

Detailed SR results for upscale factor 2 and 4 are discussed in the attached file. Kindly go through it and give your suggestions.

We will include all the necessary modifications/suggestions in the final report which is to be submitted before 31st March, 2021.

Thanking you

With best regards,  
Bhabesh Deka  
Superresolution -- Respond Project  
Tezu University

FILE NO. EMR/2016/003158  
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: 20-Jul-2017

**ORDER**

Subject: Financial Sanction of the research project titled "Development of Polymer Supported Niobium and Tantalum Based catalysts for Organic Oxidations under Ecologically Sustainable Reaction Conditions" under the guidance of Dr. Nashreen S Islam, Chemistry, Tezpur University, Distt. sonitpur p.b.no.72 napaam, tezpur, Tezpur, Assam-784011  
- 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. 4517260/- (Rs. Forty Five Lakh Seventeen Thousand Two Hundred and Sixty Only) with break-up of Rs. 1927000/- under Capital (Non-recurring) head and Rs. 2590260/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 4517260/- has been approved are given below:

The following budget may be considered for Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> High-Performance Liquid Chromatography (HPLC) System with UV detector -> Minor Equipment -> Laser Printer -> Laptop/Computer	1927000
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>1927000</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	2179600
2	Recurring - B : (Overhead Charges)	410660
<b>B'</b>	<b>Total (Recurring)</b>	<b>2590260</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>4517260</b>

- Sanction of the SERB is also accorded to the payment of Rs. 1927000/- (Rupees Nineteen Lakh Twenty Seven Thousand only) under 'Grants for creation of capital assets' and Rs. 863450/- (Rupees Eight Lakh Sixty Three Thousand Four Hundred and Fifty only) under 'Grants-in-aid General' to Vice-Chancellor, Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur being the first installment of the grant for the year 2017-2018 for implementation of the said research project.
- 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)
- The Sanction has been issued to Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur with the approval of the competent authority under delegated powers on 14 July, 2017 and vide Diary No. SERB/F/3270/2017-2018 dated 20 July, 2017
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in))
- 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. 2790450/- (Rupees Twenty Seven Lakh Ninety Thousand Four Hundred and Fifty only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below.

Account Name	Tezpur University R&D
Account Number	30448821505
Bank Name & Branch	State Bank of India Main Branch, Tezpur, Lake Road, Tezpur, Sonitpur, Assam - 784001, 91-3712-220592
IFSC/RTGS Code	SBIN0000195
Email id of A/C Holder	registrartu@tezu.emet.in
Email id of PI	nsi@tezu.emet.in

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/2016/003158 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

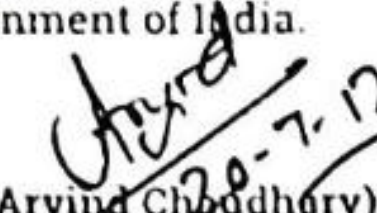
14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.

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.

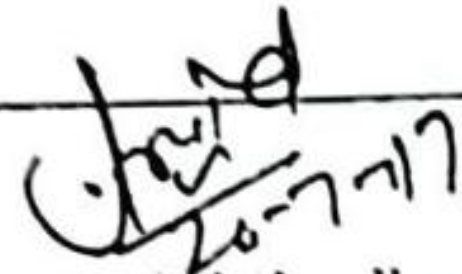
  
(Dr. Arvind Choudhary)  
Scientist C  
ms\_ipc@serbonline.in

To,  
Finance & Budget Officer  
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. Nashreen S Islam  Chemistry  Tezpur University, Distt. sonitpur p.b.no.72 napaam, tezpur, Tezpur, Assam-784011  Email: nsi@tezu.ernet.in  Mobile: 919435380222  (Start date of the project may be intimated by name to the undersigned. For guidance, terms &amp; Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a>.)</p>
5.	<p>Vice-Chancellor,  Tezpur University, Distt. Sonitpur PB.No.72 Napaam, Tezpur  (Receipt of Grant may be intimated by name to the undersigned)</p>

  
(Dr. Arvind Chaudhary)  
Scientist C  
ms\_ipc@serbonline.in

Office of the Registrar  
Receipt No ..... 3502  
Date ..... 17.12.20  
Received by ..... P.P.

LSRB/81/48222/LSRB-301/BTB/2020

Date: 26.11.2020

**Sub : CORRIGENDUM : Sanction for Ex -post-facto PDC extension of Project No. LSRB-301**

Under provisions of SOP Para 5.7 issued vide GOI letter No. ERIP/ER/2017001/M/01/SOP/160/D (R&D) dated 6<sup>th</sup> Feb 2018 and 5.7 (a) of letter No. ARDB/10/1001/M (Rev SOP)/1793 D (R&D) dated 18<sup>th</sup> Nov, 2019; sanction of CFA is conveyed herewith for the following amendment in sanction letter No. O/o DG (TM)/81/48222/LSRB-301/BTB/2017 dated 21.07.2017 regarding ex-post facto PDC extension without additional cost of project entitled "Diagnosis and immune pathogenesis of Dengue virus infections; a longitudinal investigation into genotype diversity, diagnosis and immune response to dengue infections in Assam, NE India" (LSRB-301) for logical conclusion of the project.


**FOR:**

PDC: 21.07.2020

**READ:**

PDC: 20.03.2021

2. There are no other changes in the sanction letter.
3. Sanction code: DGTM/LSRB/GIA/20-21/0201 dated 26/11/2020.

  
(Dr. RP Bhatt)  
Member Secretary, LSRB

To  
The Registrar  
Tezpur University, Napaam  
Tezpur-784028, Assam

**COPY TO: {INK SIGNED COPIES}**

- PCDA (R&D), DRDO Cell, West Block-V, R K Puram, New Delhi-110066
- IFA (R&D), DRDO Bhawan, New Delhi-110011
- DGADS, 'L-1' Block, Church Road, New Delhi-110011
- Director DRDE & Chairman, BTB, Jhansi Road, Gwalior, MP
- Dr Shashi Baruah : for information please.  
Professor & PI  
Dept of Molecular Biology and Biotechnology  
Tezpur University, Napaam  
Tezpur-784028, Assam

FFD  
Filed  
18/12/20



विज्ञान अनुसंधान बोर्ड  
अनुसंधान एवं विकास संगठन मुख्यालय  
ए. आर. डी. ओ. भवन  
कक्षा नं. 399/04 नई दिल्ली 110011  
फैक्स - 011-23012652  
दूरभाष 011-23007894/23007895  
ईमेल : lsrb@hq drdo in

Life Sciences Research Board  
Defence Res. & Dev. Organisation HQ  
3rd Floor, DRDO Bhawan  
Room No. 399/04, New Delhi – 110011  
Tele Fax : 011-23012652  
Tele : 011-23007894/23007895  
Email : lsrb@hq drdo in

O/o DG (TM)/81/48222/LSRB-301/BTB/2017

Date : 21.07.2017

The Registrar  
Tezpur University  
Tezpur-784028, Assam

**Sub : GRANTS IN AID SCHEME OF LIFE SCIENCES RESEARCH BOARD**

In exercise of powers vested in the Life Sciences Research Board vide Govt. of India, Ministry of Defence letters No. DBAS/48222/RD-81/784/D(R&D) dt 06 Mar 1998 and subsequent amendment made vide letter No. CC R&D (TM)/01/01/Research Boards/247/D (R&D) dated 03<sup>rd</sup> Feb 2014 and DRDO/DBFA/FA/83226/M/01/2031/D(R&D) dated 30 Jul 2010, para 3.1, as amended from time to time, I hereby convey the sanction of the Board for the following project at the cost of **Rs.61,59,727/- (Rupees Sixty one lakh fifty nine thousand seven hundred twenty seven only)**.

**Project Title and No:**

**Title :** "Diagnosis and Immunopathogenesis of Dengue Virus infections: a longitudinal investigation into genotype diversity, diagnosis and immune response to dengue infections in Assam, Northeast India"

**No :** LSRB-301/BTB /2017

**PI :** Dr Shashi Baruah  
Professor  
Dept of Molecular Biology and Biotechnology,  
Tezpur University Napaam,  
Tezpur, Assam-784028  
Ph : 03712-275408 / Fax : 03712-267005/06 / Mob : 09435082587  
Email : [sabaruah@tezu.ernet.in](mailto:sabaruah@tezu.ernet.in)

**Co-PI :** Dr surya Praksah Goud Ponnam  
Assistant Professor  
Dept of Molecular Biology and Biotechnology,  
Tezpur University Napaam,  
Tezpur, Assam-784028  
Ph: 03712-275413  
Email: [surya\\_p@tezu.ernet.in](mailto:surya_p@tezu.ernet.in) [surya.bio1@gmail.com](mailto:surya.bio1@gmail.com)

PDC : 03 Yrs

Cost : Rs. 61,59,727/- only

Revised COST BREAK-UP

S No	Grants	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	Line Total
i	<b>Research Staff:</b>				
	JRF-01, Project Assistant-01	4,80,000	4,80,000	5,16,000	14,76,000
ii	<b>Non-expendables items:</b>				
	Non expendables equipment and stores (Flowcytometer)	25,00,000	-	-	25,00,000
iii	<b>Expendable stores, consumables, chemicals, etc.</b>	9,68,510	5,81,106	1,93,702	17,43,318
iv	<b>TA/DA (including TA/DA of specialist monitors (s) for the project)</b>	45,000	45,000	45,000	1,35,000
v	<b>Contingency</b>	1,19,805	33,183	22,641	1,75,629
vi	<b>Overhead charges</b>	57,900	43,650	28,230	1,29,780
	<b>Total</b>	<b>41,71,215</b>	<b>11,82,939</b>	<b>8,05,573</b>	<b>61,59,727</b>

**Grand Total : Rs 61,59,727/- (Rupees sixty one lakh fifty nine thousand seven hundred twenty seven only)**

- The research staff is only for the duration of the project. DRDO holds no responsibility for further employment/absorption of the staff. The staff will be recruited as per rules & procedure of the grantee institution.
- Statements of account duly certified by the executive financial authority of the institution are also required to be submitted along with the annual reports. **Excess expenditure, beyond the yearly sanction, unless authorised by LSRB in writing, shall be the responsibility of the grantee institution.**
- The duration of the project is **three years**. The date of issue of this letter would be reckoned as the commencement date of the project.
- PI to ensure that the laboratory guidelines for genetic engineering, animal experimentation and medical ethics issued by DBT, Animal Welfare Division (CPCSEA) and Ministry of Health & Family Welfare, Govt. of India, respectively and any other statutory issues related to the experiments are adhered to.
- A separate saving bank account for the grant would be maintained by **The Registrar, Tezpur University, Tezpur-784028, Assam** and interest earned thereon would accrue to LSRB. **In case of interests not accrue under the project the reason for the same may be incorporated in utilization certificate for audit purpose.** Unspent balance, on completion of the project should be sent by the grantee institution through a Draft in favour of CDA (R&D), New Delhi to LSRB Secretariat for depositing the amount back in Govt. accounts.
- A list of inventory of equipment purchased out of LSRB grant shall be intimated along with annual report/closure report, giving item-wise cost, date of purchase and source of procurement to LSRB Sectt. The equipment should be stamped LSRB Project number and each item should be serially numbered. The photocopy of the stock registers maintained by the institute/university for the non-expendable and expendable stores may be submitted duly audited with a **certificate** from the audit authorities that **"the necessary check has been made and the inventory is found to be in order"**. For further details, kindly refer the website of DRDO/LSRB i.e. <http://www.drdo.gov.in/drdo/English/indexCorpDir.jsp?pg=home.jsp&dir=LSRB>

No. O/o DG (TM)/81/48222/LSRB-301/BTB/2017

On completion of the project, the grantee institution would forward the consolidated audited list of equipments and expendable items, if any, with request for retention of equipment for another project in house R&D, with due recommendations of their executive authority.

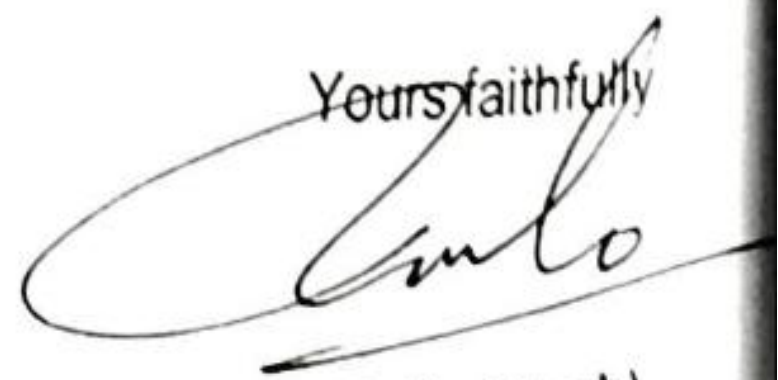
Dr Paban K Dash, Sc 'E', DRDE Gwalior will be the facilitator. He will be visiting the Institute for regular monitoring of the project.

Following **policy on the Intellectual Properties** generated under the scheme will be taken care of:-

- a) All Foreground Information and Foreground Intellectual Property, created during the performance of the Project, whether or not legally protected, shall be owned jointly by DRDO and Grantee Institution. DRDO and Grantee Institution shall be deemed to have a royalty-free license to use such joint Foreground Information and Foreground Intellectual Property Rights for their own R&D purposes.
- b) Grantee Institution shall not publish any research paper covering Foreground Information generated during the performance of the Project before seeking written consent from DRDO to assure that no proprietary information is released and no legal rights covering Foreground Information are jeopardized. Normally, such decision for publication shall be provided by DRDO within 30 days of receipt of such request from Grantee Institution.
- c) Grantee Institute shall promptly report to DRDO about any Intellectual Property generated during the performance of the Project. DRDO and Grantee Institution shall confer and consult each other regarding preparation, filing, prosecution, maintenance of Intellectual Property Rights applications including patent applications covering Foreground Information, generated during the performance of the project. DRDO shall be responsible for filing, prosecution, grant and maintenance of such Intellectual Property Applications including patent applications and Grantee Institute shall render all possible help to DRDO regarding the same. DRDO shall also bear all expenses related to filing, prosecution, grant and maintenance of such Intellectual Property Applications including patent applications.
- d) Grantee Institution may commercially exploit any Foreground Information and Foreground Intellectual Property Rights, generated during the performance of the Project, whether or not legally protected, for purposes other than Government Applications upon conclusion of the separate agreements to be negotiated between Grantee Institution and DRDO. Grantee Institution shall maintain an account of its incomes arising out of such commercial use and any royalty income shall be shared equally between DRDO and Grantee Institution.
- e) Notwithstanding any provisions mentioned above or any future licensing agreements, DRDO shall be deemed to have all rights including a nonexclusive, irrevocable, royalty-free, world-wide perpetual license for the unlimited commercial development, series production, continuing engineering support, product improvement, or have developed, any Foreground Information and Foreground Intellectual Property, generated during the performance of the Project, whether or not legally protected, for the purposes of Government Applications including armed forces and paramilitary forces.
- f) Whenever DRDO informs Grantee Institution that the interest of national security requires Grantee Institution to refrain from commercially supplying product/process based upon any Foreground Information and Foreground Intellectual Property, generated during the performance of project, whether or not legally protected, to any particular third parties, or stipulate conditions in such commercial sale, Grantee Institution shall abide by DRDO requirements.

- g) DRDO shall not be responsible and shall not accept any liability for infringement, innocent or otherwise by PI or the Grantee Institute of the Intellectual Property Rights of third parties.
- h) The term of the above provisions shall survive the term of the Project.
11. If there is any legal issue/dispute, it shall be redressed within the jurisdiction of Delhi.
12. PCDA (R&D), DRDO Cell, West Block-V, RK Puram, New Delhi-110066 will make disbursement of money as sanctioned. Payment shall be released through e-payment system and physical cheques will not be issued. A mandate form is enclosed for filling up the required information and forwarding alongwith a blank cancelled cheque bearing account number.
13. In case of premature termination/closure of the project, the grantee institute is liable to refund the entire budget released to them alongwith interest.
14. **Closure report** – On completion/closure/termination of the project, three copies of the consolidated closure report as per annexure III (refer website) will be submitted within three months with all necessary certificates and financial information. It should give sufficient technical details of project, achievements in relation to the originally stated objectives of the project and utilization of results.
15. Ensure about providing of reservation for Scheduled Castes and Scheduled Tribes or OBC in posts and services.
16. The expenditure will be debited to Major Head - 2080 (Defence Services) R&D Minor Head-004 Research & Development, Code Head 852/05 of the Defence Services Estimates.
17. Contingent bill (in triplicate) for the release of grant for first year i.e. **Rs.41,71,215/- (Rupees forty one lakh seventy one thousand two hundred fifteen only)** duly completed and signed on revenue stamp with official seal by the competent financial authority of the institute alongwith ECS mandate form may please be forwarded to us immediately for onward submission to PCDA for payment.
18. This issues with the concurrence of IFA (R&D) vide their UO No 1940/0506 dt 14.07.2017.
19. The sanction code is DG (TM)/TM/LSRB/GIA/17-18/0133 dt 20.07.2017.
20. Kindly acknowledge receipt.

Yours faithfully

  
(Dr. Rajio Singh)  
Member Secretary, LSRB  
O/o DG (TM)

1448  
21/09/17  
Dem RSD  
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Office of the Registrar  
Receipt No. 3458  
Date 20 SEP 2017  
Received by

File No. 8-15/RIFD/RPS/POLICY-1/2016-17

Drawing and Disbursing Officer  
All India Council for Technical Education  
Nelson Mandela Marg,  
Vasant Kunj, New Delhi-110067,

Dem RSD  
Po

Date: 2 August 2017  
for work  
B  
20/9/17

Release of a sum of Rs.1622353/- being the 1<sup>st</sup> installment of the total grant of Rs.1647059/- for conduct of Project under Research Promotion Scheme (RPS) during the financial year 2017-18.

With reference to the Proposal submitted by the institute, this is to convey the sanction of the Council for payment of Rs.1622353/- (Rupees Sixteen Lakh Twenty Two Thousand Three Hundred Fifty Three) 1<sup>st</sup> installment out of a total approved grant-in-aid of Rs.1647059/- for conduct of a Project under the Research Promotion Scheme (RPS), as per details given below:-

- I. Name of the Beneficiary Institution (University / College / Institution) : **TEZPUR UNIVERSITY**  
NAPAAM, TEZPUR, DISTRICT-SONITPUR, ASSAM-784028
- II. Principal Investigator's Name & Dept./Course : **Dr. BHABESH DEKA**  
Electronics and Communication Engineering (Microwaves)
- III. Grant-in-aid Sanctioned : **Rs.1647059/-** (Rs. 1400000/- for non-recurring and Rs.247059/- for recurring expenditure)
- IV. Amount to be Released during the year 2017-18 : **Rs.1622353/-** (Full amount of non recurring & 90 % of recurring sanctioned)
- V. Duration : **3 Years**
- VI. Title of the Project : **DEVELOPMENT OF PARALLEL PROCESSING EMBEDDED HARDWARE FOR SUPER-RESOLUTION OF DIFFUSION WEIGHTED AND SPECTROSCOPIC MAGNETIC RESONANCE IMAGES.**

The sanctioned grant-in-aid is debitable to the major "601.1(a) (RPS)" Gen. and is valid for Payment during the financial year 2017-18.

The grant-in-aid of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of **TEZPUR UNIVERSITY, NAPAAM, TEZPUR, DISTRICT-SONITPUR, ASSAM-784028** through **RTGS**.

The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal/Director/Registrar shall intimate about the receipt of the grant to AICTE. Any Expenditure, incurred prior to issuance of this Sanction Order, is not allowed to be adjusted in the grant and if the University/Institution do not take the project work within 6 months of the receipt of the grant, approval shall ipso facto lapse.

Dr. Bhabesh Deqa. Congratulations!!  
Please submit a copy of the project proposal for issuing registration no of the project. Annexed  
21.9.2017  
Contd...2/-

005 932 01

:: 2 ::

4. Each project sanctioned by AICTE is assigned a specific Ref. No. which is on pre-page. All correspondence addressed to AICTE regarding the project must quote this number along with year of sanction of the Project, otherwise the correspondence may not be entertained.
5. The accounts of the grantee will be open for test check by the Council or Comptroller & Auditor General of India or by any officer designated by them.
6. The Principal and PI of the institute are requested to verify the correctness of the under mentioned bank account/RTGS details submitted by them along with the Proposal, in which the grant is being released. In case of any omission, the same should be reported to AICTE immediately along with refund of entire grant:-

Institute PAN No.	Bank Name	Bank Branch	Bank Add.	Branch	Account Holder Name	Account Type	Account Number	IFSC Code
AAAJT2654F	STATE BANK OF INDIA	Tezpur Main Branch	Lake Road, Tezpur, Sonitpur, Assam-784001		Registrar Tezpur University	Saving Account	30448821505	SBIN0000195

7. The institute/University shall not charge any overheads on this Project and will provide all the administrative support for completion of the Project.
8. The grantee shall utilize grants on only approved items, as per list of equipment attached. However if the grantee wishes to recast the Project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India.
9. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education.
10. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
11. Interest accrued on the sanctioned grant-in-aid will be reported back to AICTE and may be adjusted against the subsequent installment.
12. The following documents, in the prescribed format, are required to be submitted to AICTE by the PI/Institute, as per time schedule given below:-

**Documents to be submitted within one month of completion of each financial year.**

- The Annual Progress Report, indicating therein the number of patents, publications or any other achievement.
- Utilization Certificate duly audited.
- Audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets in the prescribed form i.e. GFR-19.
- Bills/vouchers related to Non-recurring expenditure duly signed & stamped by the PI & Head of the institution.
- Stock entry register duly verified by the Store-in-charge and PI & counter signed by Head of institution.

Contd...3/-

Documents to be submitted within two month of completion of the Project.

- The consolidated Utilization Certificate (UC), duly audited.
- Duly audited statement of expenditure, to the effect that the grant has been utilized for the purpose for which it has been sanctioned. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
- Project Completion Report duly signed & stamped by the PI & Head of the institution.

**Any deviation from the above said time schedule will cause serious action against the institute.**

The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the Council from time to time.

The Grantee shall fully implement to the Official Language policy of Union Government and comply with the official language Act, 1963 and official language (use of official purposes of the Union Rules, 1976 etc.)

The funds to the extent are available under the Scheme.


The sanction issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the rules and principles of the Scheme.

The budget allowed cannot be utilized for hiring temporary or permanent staff for the Project.

**It should be ensured that no RPS project in favour of the same P.I. has been sanctioned during the last 03 years before utilizing this amount and the matter be brought to the notice of this Council immediately.**

The institute should strictly observe all the terms & conditions contain in the Scheme details under AICTE AQIS 2016-17.

Yours sincerely,

  
(Dileep N. Malkhede)  
Advisor (RIFD) 17/8/17

Note: The prescribed formats and Terms & Conditions are available in the application brochure.

Copy forwarded for information and necessary action to:

Principal/Director/Registrar,  
TEZPUR UNIVERSITY,  
NAPAAM, TEZPUR, DISTRICT-SONITPUR,  
ASSAM-784028

Dr. BHABESH DEKA,  
DEPT. OF Electronics and Communication  
Engineering (Microwaves),  
TEZPUR UNIVERSITY,  
NAPAAM, TEZPUR, DISTRICT-SONITPUR,  
ASSAM-784028

OFFICE OF DIRECTOR GENERAL OF AUDIT  
GENERAL REVENUES, AGCR BUILDING  
I.P. STATE, NEW DELHI-110002.

Guard File



अन्तर-विश्वविद्यालय त्वरक केन्द्र  
INTER-UNIVERSITY ACCELERATOR CENTRE  
(Formerly Nuclear Science Centre)  
(विश्वविद्यालय अनुदान आयोग का स्वायत्त केन्द्र)  
(An Autonomous Centre of UGC)

12

Ref: IUAC/XIII.7/UFR- 62312

Date: Sept. 12, 2017

Dr. Dambarudhar Mohanta,  
Department of Physics, Associate Professor,  
Tezpur University, PO: Napaam, Tezpur, Assam,  
Pin Code: 784028

Sub: Financial sanction for the financial year 2017-2018  
Ref: Project Code No. UFR- 62312 sanctioned in favour of Dr. Dambarudhar Mohanta, Tezpur University, PO: Napaam, Tezpur, Assam.

Dear Sir,

We are pleased to inform you that your project entitled "**Studies on photocatalytic, photoluminescence and mechanical properties of WS<sub>2</sub>/C-dot nanoscale systems subjected to irradiation**" under the UFUP scheme of this Centre has been sanctioned with the following financial approval for a period of three years.

Year	Fellowship	Contingency/Consumables	Equipment
First	JRF	25,000/-	Nil
Second	JRF	25,000/-	Nil
Third	JRF	25,000/-	Nil

Your project code no. UFR- 62312 and the same should be quoted in all future correspondences.

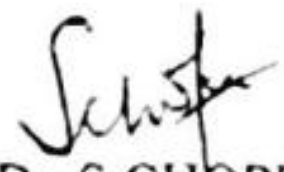
The contingency will be inclusive of all consumables. The grant for the first year contingency will be released now. Fellowship grant will be released only after a Project Fellow/JRF is appointed by the University/Institution and the related documents along with the joining report is sent to this office.

Normal UGC guidelines will apply in all circumstances. Travel money would not be released for you but as per AUC decision, you may come to IUAC for experiments, data analysis and research discussions as required and approved by Centre. IUAC will pay your TA (by train) and the local hospitality as per rule.

Annual progress report and provisional utilization certificate duly signed by a competent authority of the university in the standard UGC format must be submitted at the completion of each financial year for enabling us to release the funds for the next financial year. As soon as annual accounts of the university are audited, the final audited utilization certificate should be sent to IUAC and the draft for the unspent grant should be sent in favour of "Inter University Accelerator Centre" payable at New Delhi.

Thanking you,

Yours sincerely,

  
(Dr. S. CHOPRA)  
Convener - AUC

CC:

The Registrar  
Tezpur University, PO: Napaam,  
Tezpur, Assam, Pin Code: 784028

पोस्ट बॉक्स: 10502 अरुणा आसफ अली मार्ग,  
Post Box No. 10502, Aruna Asaf Ali Marg,  
नई दिल्ली - 110 067 (भारत)  
New Delhi- 110 067 (India)

दूरभाष : /Telephone : 011-26893  
011-26892  
तार : /Telegram : NUR  
फैक्स : /Fax : 011-26893  
वेबसाइट : /Website : www.iuac.ru



अन्तर-विश्वविद्यालय त्वरक केन्द्र  
INTER-UNIVERSITY ACCELERATOR CENTRE  
(Formerly Nuclear Science Centre)  
(विश्वविद्यालय अनुदान आयोग का स्वायत्त केन्द्र)  
(An Autonomous Centre of UGC)

Dr. Sundeep Chopra  
Convenor - AUC

Ref: IUAC/XIII.3A/

August 11, 2017

Dr. Dambarudhar Mohanta  
Department of Physics,  
Associate Professor,  
Tezpur University, PO: Napaam, Tezpur,  
Assam, Pin Code: 784028

**Subject: Your Application for Beam Time Allotment**

Dear Dr. Mohanta,

This is in response to your proposal for beam time/funds request and subsequent presentation made before the Accelerator Users Committee(AUC) of Inter University Accelerator Centre on July 05-07, 2017. I am pleased to inform you that your request has been considered and following beam time/funds has been allotted to you as specified below:

BTR No. & Activity	PI Name Affiliation	Title	No. of Shifts Sanctioned	Comments From AUC
62312 MS	Dr. Dambarudhar Mohanta Department of Physics, Associate Professor, Tezpur University, PO: Napaam, Tezpur, Assam, Pin Code: 784028	Studies on photocatalytic, photoluminescence and mechanical properties of WS <sub>2</sub> /C-dot nanoscale systems subjected to irradiation.	4	UFR Funds sanctioned with standard funding

The contingency amount will be sent to you soon. Regarding the appointment of JRF/Project Fellow, you are requested to contact the undersigned since as per the directives of AUC, a nominee will be deputed by IUAC as part of your selection committee. The information regarding the selection committee meeting should be sent to the undersigned at least two weeks in advance for the nomination of IUAC representative.

You are requested to kindly submit progress report of the project twice a year (April & October). Kindly acknowledge the receipt of this letter and inform us suitable period regarding scheduling of your experiment. In case you need further information, you are requested to contact the undersigned.

Thanking you,

Yours Sincerely,

*Sundeep Chopra*  
(Sundeep Chopra)

E-mail: [choprasundeep@gmail.com](mailto:choprasundeep@gmail.com)

पोस्ट बाक्स: 10502 अरुणा आसफ अली मार्ग,  
Post Box No. 10502, Aruna Asaf Ali Marg,  
नई दिल्ली - 110 067 (भारत)  
New Delhi- 110 067 (India)

दूरभाष : /Telephone : 011-2689395  
011-2689260  
NURCEI  
तार : /Telegram : 011-2689366  
फैक्स : /Fax : www.iuac.res.in  
वेबसाईट : /Website

Dr. R. D.  
 1440  
 20.09.17

18/9/17

Financial support for project entitled "India - UK Center for education and research in clean energy (CERCE)" by Dr. B.G. Fernandes, Department of Electrical Engineering Indian Institute of Technology Bombay, Mumbai, Maharashtra- 400 076, Prof. Santanu Mishra, Dept. of Electrical Engg., Indian Institute of Technology Kanpur, Kanpur - 208016, Prof. Melepurath Deepa, Department of chemistry, Indian Institute of Technology Hyderabad, Hyderabad -502285, Prof. Nabin Sarmah, Department of Energy, Tezpur University, Assam - 784028, Dr. Z. V. Lakaparampil, Department of Power Electronics, Centre for Development of Advanced Computing, Trivandrum. - 695033.

Sanction to the President is hereby accorded to the above-mentioned project at a total cost of Rs.21,83,26,200/- Rs.14,98,38,610/- to Indian Institute of Technology Bombay, Rs.1,85,19,515/- to Indian Institute of Technology Tezpur, Rs.2,11,94,755/- to Indian Institute of Technology Hyderabad, Rs.74,56,445/- to Tezpur University, Assam, Rs.2,13,16,875/- to Centre for Development of Advanced Computing, Trivandrum) with break-up of Rs.5,80,00,000/- under Capital head and Rs.3,24,70,600/- under General head for a duration of 4 years. The items of expenditure for which the total allocation of Rs.21,83,26,200/- has been approved for a period of 4 years are given below:

The following budget is proposed based on quotations for PE and salary norms of project staff:

Sl. No.	Sanction head	1st Year (Lakh)	2nd Year (Lakh)	3rd Year (Lakh)	4th Year (Lakh)	Total (Lakh)
<b>A Non-recurring (Capital Items) Budget Head 3425.60.200.68.01.35.9</b>						
I	Pmt Equipment	Rs.580.00	Rs.343.41	Rs.0.00	Rs.0.00	Rs.923.41
	<b>Total (Capital)</b>	<b>Rs.580.00</b>	<b>Rs.343.41</b>	<b>Rs.0.00</b>	<b>Rs.0.00</b>	<b>Rs.923.41</b>
<b>B Recurring Items (General) Budget Head 3425.60.200.68.01.31.9</b>						
I	Man Power	Rs.147.46	Rs.147.46	Rs.162.72	Rs.162.72	Rs.620.352
II	Consumables	Rs.144.75	Rs.152.75	Rs.102.25	Rs.75.25	Rs.475.00
III	Contingency	Rs.4.00	Rs.4.00	Rs.4.00	Rs.4.00	Rs.16.00
IV	Travel (Domestic)	Rs.4.00	Rs.4.00	Rs.4.00	Rs.4.00	Rs.16.00
V	Travel (International)	Rs.8.00	Rs.23.50	Rs.17.50	Rs.19.50	Rs.68.50
VI	Workshops	Rs.0	Rs.0	Rs.5.00	Rs.5.00	Rs.10.00
VII	Fabrication cost	Rs.12.00	Rs.11.00	Rs.6.00	Rs.7.00	Rs.36.00
VIII	Over Heads	Rs.4.50	Rs.4.50	Rs.4.50	Rs.4.50	Rs.18.00
	<b>Total(General)</b>	<b>Rs.324.706</b>	<b>Rs.347.206</b>	<b>Rs.305.970</b>	<b>Rs.281.970</b>	<b>Rs.1,259.852</b>
<b>C</b>	<b>Grand Total</b>	<b>Rs.904.706</b>	<b>Rs.690.616</b>	<b>Rs.305.970</b>	<b>Rs.281.970</b>	<b>Rs.2,183.262</b>

File: ... Bhatnagar

A. The break-up of the cost head wise and year wise for IITB is given below (in Lakh):

Sl. No.	Sanction head	1st Year (Lakh)	2nd Year (Lakh)	3rd Year (Lakh)	4th Year (Lakh)	Total (Lakh)
<b>A</b>	<b>Non-recurring (Capital Items) Budget Head 3425.60.200.68.01.35.9</b>					
I	Pmt Equipment	Rs.300.00	Rs.277.85	Rs.0.00	Rs.0.00	Rs.577.85
1.Bipotentiostat bundle with Rotating Ring-Disk Electrode and accessories (1 Nos.) 2.COMSOL software licenses (2 Nos.) 3.Controller board for PE Converters (4 Nos.) 4.DC Programmable Power Supply (2 Nos.) 5.Demonstration and Educational Kits (1 Nos.) 6.Desktop Computer (13 Nos.) 7.DigSILENT Power factory (1Nos.) 8.Eagle Software (1Nos.) 9.GAMS software (5 Nos.) 10.Handheld FTIR and accessories (1Nos.) 11.High performance workstation (2 Nos.) 12.Isolated oscilloscope with power/harmonic measurement features (2Nos.) 13.Laptop Computers for onsite monitoring (3Nos.) 14.Masterflex Peristaltic Pump and tubing's (2Nos.) 15.Multichannel Potentiostat-Galvanostat with Impedance Analyzer (1Nos.) 16.Parallel Studio XE Composer software (2Nos.) 17.Portable EL Camera (1Nos.) 18.Power Electronics Stack (6 Nos.) 19.Programmable DC Power Supply and Programmable DC Electronic Load with True RMS Bench Multimeter and Function Generator (1 Nos.) 20.PV analyzer including IV Curve Tracer (1 Nos.) 21.Real Time Simulator (2Nos.) 22.Redox Flow Cell Test System with accessories (1 Nos.) 23.Scopcorder (3 Nos.) 24.Scopemeter (4Nos.) 25.Server for Digsilent (1Nos.) 26.Single Channel Potentiostat-Galvanostat (1 Nos.) 27.Solar PV Panels (4 Nos.) 28.Surface Pro with Accessories (3 Nos.) 29.Three Phase Power Analyzer (3 Nos.) 30.Three Phase Transformers (6Nos.) 31.Workstation (6 Nos.)						
	<b>Total (Capital)</b>	<b>Rs.300.00</b>	<b>Rs.277.85</b>	<b>Rs.0.00</b>	<b>Rs.0.00</b>	<b>Rs.577.854</b>
<b>B</b>	<b>Recurring Items (General) Budget Head 3425.60.200.68.01.31.9</b>					
I	Man Power	Rs.129.46	Rs.129.46	Rs.142.56	Rs.142.56	Rs.544.032
Twenty eight JRFs @ Rs. 25,000/25,000/28,000/28,000 + 30% HRA (4 years) One RA-I @ Rs. 36,000 + 30% HRA (4 years) One Project Manager@ Rs. 50,000 Four Project Technical Assitant @ Rs. 18,000						
II	Consumables	Rs.91.25	Rs.101.25	Rs.51.75	Rs.30.75	Rs.275.00
III	Contingency	Rs.2.00	Rs.2.00	Rs.2.00	Rs.2.00	Rs.8.00
IV	Travel (Domestic)	Rs.2.00	Rs.2.00	Rs.2.00	Rs.2.00	Rs.8.00
V	Travel (International)	Rs.8.00	Rs.15.50	Rs.15.50	Rs.13.50	Rs.52.50
VI	Workshops	Rs.0.00	Rs.0.00	Rs.5.00	Rs.5.00	Rs.10.00
VII	Fabrication cost	Rs.10.00	Rs.5.00	Rs.0.00	Rs.0.00	Rs.15.00
VIII	Over Heads	Rs.2.00	Rs.2.00	Rs.2.00	Rs.2.00	Rs.8.00
	<b>Total (General)</b>	<b>Rs.244.706</b>	<b>Rs.257.206</b>	<b>Rs.220.810</b>	<b>Rs.197.810</b>	<b>Rs.920.532</b>
<b>C</b>	<b>Grand Total</b>	<b>Rs.544.706</b>	<b>Rs.535.060</b>	<b>Rs.220.810</b>	<b>Rs.197.810</b>	<b>Rs.1,498.386</b>

*Abhishankar*

The break-up of the cost head wise and year wise for IITK is given below (in Lakh):

19

Sanction head	1st Year (Lakh)	2nd Year (Lakh)	3rd Year (Lakh)	4th Year (Lakh)	Total (Lakh)
<b>Non-recurring (Capital Items) Budget Head 3425.60.200.25.01.35.9</b>					
Pmt Equipment	Rs.100.00	Rs.15.76	Rs.0	Rs.0	Rs.115.76
AC power supplies (1 Nos.) 2.Contactless Soldering Station (1 Nos.) 3.Desktop Computer (4 Nos.) Diesel Generator (1 Nos.) 5.Function Generator (1 Nos.) 6.Grid Emulator (1 Nos.) 7.High voltage probes (1 Nos.) 8.HV Oscilloscope (1 Nos.) 9.LCR Meter (1 Nos.) 10.Portable Digital Storage oscilloscope (2 Nos.) 11.Solar PV Panels (1Nos.) 12.Source Measure Unit with power supply sink (1 nos.) 13.Test Bench Digital Multimeter (1Nos.) 14.UPS (1 Nos.)					
<b>Total (Capital)</b>	<b>Rs.100.00</b>	<b>Rs.15.76</b>	<b>Rs.0</b>	<b>Rs.0</b>	<b>Rs.115.76</b>
<b>Recurring Items (General) Budget Head 3425.60.200.68.01.31.9</b>					
Salaries	Rs.6.00	Rs.6.00	Rs.6.72	Rs.6.72	Rs.25.44
IRFs @ Rs. 25,000 ( 1st and 2nd Years) / 28,000 ( 3rd, 4th)					
Consumables	Rs.8.25	Rs.8.25	Rs.8.25	Rs.8.25	Rs.33.00
Contingency	Rs.0.50	Rs.0.50	Rs.0.50	Rs.0.50	Rs.2.00
Travel (Domestic)	Rs.0.50	Rs.0.50	Rs.0.50	Rs.0.50	Rs.2.00
Travel (International)	Rs.0	Rs.2.00	Rs.0	Rs.2.00	Rs.4.00
Workshops	Rs.0	Rs.0	Rs.0	Rs.0	Rs.0
Fabrication cost	Rs.0	Rs.0	Rs.0	Rs.0	Rs.0
Over Heads	Rs.0.75	Rs.0.75	Rs.0.75	Rs.0.75	Rs.3.00
<b>Total (General)</b>	<b>Rs.16.00</b>	<b>Rs.18.00</b>	<b>Rs.16.72</b>	<b>Rs.18.72</b>	<b>Rs.69.44</b>
<b>Grand Total</b>	<b>Rs.116.00</b>	<b>Rs.33.76</b>	<b>Rs.16.72</b>	<b>Rs.18.72</b>	<b>Rs.185.195</b>

*Abhicharan*

C. The break-up of the cost head wise and year wise for IITH is given below (in Lakh):

Sl. No.	Sanction head	1st Year (Lakh)	2nd Year (Lakh)	3rd Year (Lakh)	4th Year (Lakh)	Total (Lakh)
<b>A</b>	<b>Non-recurring (Capital Items) Budget Head 3425.60.200.25.01.35.9</b>					
I	Pmt Equipment	Rs.100.00	Rs.9.787	Rs.0	Rs.0	Rs.109.787
1.Controller board for PE Converters (4 Nos.) 2.Data logging and associated control system (4 Nos.) 3.Database server (1 Nos.) 4.Digital Oscilloscope (1 Nos.) 5.DigSILENT Power factory (1 Nos.) 6.Glove Box Work Station package (1 Nos.) 7.Grid Tied Inverter (1Nos.) 8.Guide Rail Energy Meter (4 Nos.) 9.HIL Demo Module (1 Nos.) 10.Mipower software (1 Nos.) 11.Pouch Cell-Supercapacitor Fabrication Equipment (1Nos.) 12.Smart Meter (4 Nos.) 13.Solar PV Panels (5 Nos.) 14.Split Core Current Transformer (30 Nos.) 15.Three Phase Transformers (6 Nos.) 16.Web Based Simulator Smartgrid (1 Nos.) 17.Wireless Serial Module (4 Nos.) 18.Workstation (5 Nos.)						
	<b>Total (Capital)</b>	<b>Rs.100.00</b>	<b>Rs.9.787</b>	<b>Rs.0</b>	<b>Rs.0</b>	<b>Rs.109.787</b>
<b>B</b>	<b>Recurring Items (General) Budget Head 3425.60.200.68.01.31.9</b>					
I	Man Power	Rs.9.00	Rs.9.00	Rs.10.08	Rs.10.08	Rs.38.16
Three JRFs @ Rs. 25,000 ( 1st and 2nd Years) / 28,000 ( 3rd, 4th),						
II	Consumables	Rs.14.00	Rs.12.00	Rs.12.00	Rs.7.00	Rs.45.00
III	Contingency	Rs.0.50	Rs.0.50	Rs.0.50	Rs.0.50	Rs.2.00
IV	Travel (Domestic)	Rs.0.50	Rs.0.50	Rs.0.50	Rs.0.50	Rs.2.00
V	Travel (International)	Rs.0	Rs.2.00	Rs.2.00	Rs.2.00	Rs.6.00
VI	Workshops	Rs.0	Rs.0	Rs.0	Rs.0	Rs.0
VII	Fabrication cost	Rs.2.00	Rs.1.00	Rs.1.00	Rs.2.00	Rs.6.00
VIII	Over Heads	Rs.0.75	Rs.0.75	Rs.0.75	Rs.0.75	Rs.3.00
	<b>Total (General)</b>	<b>Rs.26.75</b>	<b>Rs.25.75</b>	<b>Rs.26.83</b>	<b>Rs.22.83</b>	<b>Rs.102.16</b>
<b>C</b>	<b>Grand Total</b>	<b>Rs.126.75</b>	<b>Rs.35.537</b>	<b>Rs.26.83</b>	<b>Rs.22.83</b>	<b>Rs.211.947</b>

*Bhattacharya*

The break-up of the cost head wise and year wise for TU is given below (in Lakh):

18

Sanction head	1st Year (Lakh)	2nd Year (Lakh)	3rd Year (Lakh)	4th Year (Lakh)	Total (Lakh)
<b>Non-recurring (Capital Items) Budget Head 3425.60.200.25.01.35.9</b>					
Pmt Equipment	Rs.30.00	Rs.7.844	Rs.0	Rs.0	Rs.37.844
1. DMSOL software licenses (1 Nos.) 2. Data logging and associated control system (1Nos.) 3. Curve Tracer (1 Nos.) 4. Pvsyst software (1 Nos.) 5. Thermal Imaging camera (1Nos.)					
<b>Total (Capital)</b>	<b>Rs.30</b>	<b>Rs.8</b>	<b>Rs.0</b>	<b>Rs.0</b>	<b>Rs.38</b>
<b>Recurring Items (General) Budget Head 3425.60.200.68.01.31.9</b>					
Man Power	Rs.3.00	Rs.3.00	Rs.3.36	Rs.3.36	Rs.12.72
JRF @ Rs. 25,000/25,000/28,000/28,000.					
Consumables	Rs.4.75	Rs.4.75	Rs.3.75	Rs.2.75	Rs.16.00
Contingency	Rs.0.50	Rs.0.50	Rs.0.50	Rs.0.50	Rs.2.00
Travel (Domestic)	Rs.0.50	Rs.0.50	Rs.0.50	Rs.0.50	Rs.2.00
Travel (International)	Rs.0	Rs.2.00	Rs.0	Rs.0	Rs.2.00
Workshops	Rs.0	Rs.0	Rs.0	Rs.0	Rs.0
Fabrication cost	Rs.0	Rs.0	Rs.0	Rs.0	Rs.0
Over Heads	Rs.0.50	Rs.0.50	Rs.0.50	Rs.0.50	Rs.2.00
<b>Total (General)</b>	<b>Rs.9.25</b>	<b>Rs.11.25</b>	<b>Rs.8.61</b>	<b>Rs.7.61</b>	<b>Rs.36.72</b>
<b>Grand Total</b>	<b>Rs.39.25</b>	<b>Rs.19.094</b>	<b>Rs.8.61</b>	<b>Rs.7.61</b>	<b>Rs.74.564</b>

*Bhattacharya*

1

FILE NO. EMR/2016/008045  
**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: 18-Aug-2017

**ORDER**  
 Subject: Financial Sanction of the research project titled "Studies on bifunctional (wetting-dewetting and biophotonic colouration) properties of certain natural systems of biological origin" under the guidance of Dr. DAMBARUDHAR MOHANTA, Physics, Tezpur University, Distt. sonitpur p.b.no.72 napaam, tezpur, Tezpur, Assam-784011 - 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. 4366560/- (Rs. Forty Three Lakh Sixty Six Thousand Five Hundred and Sixty Only) with break-up of Rs. 2500000/- under Capital (Non-recurring) head and Rs.1866560/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 4366560/- has been approved are given below.

The following budget may be considered for Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur

S.No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> Contact Angle Measurement -> UV Vis NIR Reflectance Spectrophotometer with integrated sphere	2500000
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>2500000</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	1469600
2	Recurring - B : (Overhead Charges)	396960
<b>B'</b>	<b>Total (Recurring)</b>	<b>1866560</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>4366560</b>

- Sanction of the SERB is also accorded to the payment of Rs. 2500000/- (Rupees Twenty Five Lakh only) under 'Grants for creation of capital assets' and Rs. 622186/- (Rupees Six Lakh Twenty Two Thousand One Hundred and Eighty Six only) under 'Grants-in-aid General' to Registrar, Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur being the first installment of the grant for the year 2017-2018 for implementation of the said research project.
- The expenditure involved is debit to Fund for Science & Engineering Research (FSER). This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Physical Sciences)
- The Sanction has been issued to Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur with the approval of the competent authority under delegated powers on 16 August, 2017 and vide Diary No. SERB/F/4981/2017-2018 dated 17 August, 2017
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).
- 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.
- 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.
- 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.
- 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. 3122186/- (Rupees Thirty One Lakh Twenty Two Thousand One Hundred and Eighty Six 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	Registrar, Tezpur University
Account Number	30448821505
Bank Name & Branch	State Bank of India Main Branch, Tezpur, Lake Road, Sonitpur, Assam-784001, 91-3712-220592
IFSC/RTGS Code	SBIN0000195
Email id of A/C Holder	registrartu@tezu.ernet.in
Email id of PI	dmohanta1973@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/2016/008045 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. Nilotpal Ghosh)  
MS  
nilotpal@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.	<p><b>Dr. DAMBARUDHAR MOHANTA</b> Physics Tezpur University , Distt. sonitpur p.b.no.72 napaam, tezpur, Tezpur, Assam-784011 Email: dmohanta1973@gmail.com Mobile: 918876507550 (Start date of the project may be intimated by name to the undersigned. For guidance, terms &amp; Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a>.)</p>
5.	<p><b>Registrar,</b> <b>Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur</b>  (Receipt of Grant may be intimated by name to the undersigned)</p>

(Dr. Nilotpal Ghosh)  
MS  
nilotpal@serb.gov.in

No. DST/INT/JSPS/P-238/2017  
 Science and Technology  
 Department of Science & Technology  
 (International Bilateral Cooperation Division)

Technology Bhavan,  
 New Mehrauli Road  
 New Delhi-110016  
 Date: 04.10.2017  
 24/10/17

ORDER

Subject: Implementation of Indo-Japan Joint project entitled: "Investigation of interstellar polycyclic aromatic hydrocarbons (PAHs), pure and substituted: A combined approach" coordinated by Dr. Amit Pathak with the Japanese partner Dr. Itsuki Sakon - regarding.

Sanction of the President is hereby accorded for incurring an expenditure not exceeding Rs. 10,60,000/- (Ten Lakhs Sixty Thousand only) for implementation of the Indo-Japan joint project entitled "Investigation of interstellar polycyclic aromatic hydrocarbons (PAHs), pure and substituted: A combined approach" coordinated by Dr. Amit Pathak, Assistant Professor, Department of Physics, Tezpur University, Napaam, Tezpur - 784028, Assam in collaboration with Dr. Itsuki Sakon Assistant Professor, Department of Astronomy, University of Tokyo for a total duration of 2 years from the date of issue of the sanction order.

2. As per the terms and conditions, agreed by both side, under the project the sending side will bear the cost related to the International air travel, medical insurance and visa charges whereas the receiving side shall bear the cost of accommodation, hospitality and local travels of the visiting scientist. The break-up of approved expenditure is as indicated below:

Items of Expenditure	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	Total
<u>Visits from India to Japan</u>			
-Number of visits and duration for each visit	2 visits per year for 30 days	2 visits per year for 30 days	
-International to & fro Airfare including airport tax	2x75,000= 1,50,000/-	2x75,000= 1,50,000/-	3,00,000/-
-Related local travel in India (domestic airfare to Delhi & taxi charges)	45,000/-	45,000/-	90,000/-
-Visa fee	5,000/-	5,000/-	10,000/-
-Overseas medical insurance	5,000/-	5,000/-	10,000/-
<u>Visit from Japan to India</u>			
-Number of visits and duration for each visit	2 visits per year for 30 days	2 visits. (one each for 30 days duration)	

*Handwritten signature*

Accommodation in Guest House @Rs 3,000 x 30 days x 2	1,80,000/-	1,80,000/-	3,60,000/-
Per diem @ 1000/- per day	60,000/-	60,000/-	1,20,000/-
Local travel in India (including domestic airfare from Delhi to Tezpur and taxi charge)	75,000/-	75,000/-	1,50,000/-
Contingency	10,000/-	10,000/-	20,000/-
<b>Total</b>	<b>5,30,000/-</b>	<b>5,30,000/-</b>	<b>10,60,000/-</b>

Sanction of the President is hereby accorded for release of 1<sup>st</sup> instalment amounting of Rs. 5,30,000 (Rupees Five Lakhs only) to the grantee Institute. The amount of grant will drawn by the Drawing and Disbursing Officer, DST and will be disbursed to Dr. Amit Pathak, Assistant Professor, Department of Physics, Tezpur University, Napaam, Tezpur – 784028, Assam. The bank details for electronic transfer of funds through RTGS are given below:-

Account Holders Name/ Designation	Registrar, Tezpur University
Name of Bank	State Bank of India, Main Branch, Tezpur, Lake Road, Tezpur, Sonitpur, Assam-784001
Bank Account Number	30448821505
IFSC Code	SBIN0000195
E-Mail	amit@tezu.ernet.in, amitpah@gmail.com

**Condition for placing of grant amount:**

4. The institute will maintain separate audited account for the project and the amount of grant will be kept in a bank account earning interest. The interest earned should be reported to DST while submitting the (financial year wise) Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the institute to be adjusted towards further instalment of the grant.

**Conditions for submission of SE/UC and Progress report:**

5. (a) the grantee organisation will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.
- (b) While submitting Utilisation Certificate/Statement of Expenditure, the organisation has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.
- (c) a transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/ Organisation under the appropriate rules of the grantee organisation while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organisation immediately on receipt of the grant;

The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS besides sending it in physical form to this Division. The subsequent/final instalment will be

This sanction order being 1<sup>st</sup> instalment for implementation of this project, no SE/UC is to be issued from the grantee institution against this project.

This issues with the concurrence of IFD vide their concurrence Dy. No. C/2794 /IFD 2017-18 dated 28.09.2017.

As per Rule 234 of GFR 2017, this sanction has been entered at S. No. 358 in the register of grants maintained in the Division.

*U. Tirkey*  
4/10/2017  
(Ujjwala T. Tirkey)  
Scientist 'F'

The Pay & Accounts Officer,  
Department of Science & Technology,  
New Delhi-110016

Copy to: Office of the Principal Director of Audit, AGCR Bldg., IP Estate, New Delhi-110002

Cash Section (3 copies), DST  
I.F. Division/Accounts Section, DST  
Sanction Folder  
Project File.

Dr. Amit Pathak, Assistant Professor, Department of Physics, Tezpur University, Napaam,  
Tezpur - 784028, Assam

*U. Tirkey*  
4/10/2017  
(Ujjwala T. Tirkey)  
Scientist 'F'

of the Registrar  
No. 4273  
d by 31 OCT 2017



**COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH**  
EXTRAMURAL RESEARCH DIVISION  
CSIR COMPLEX, PUSA, NEW DELHI - 110 012

Serial No. 1645  
Date of Registration REGISTERED 62

No. 22(0759)/17/EMR-II  
From : Head, Human Resources Development Group

To  
PROF NIRANJAN KARAK  
DEPT OF CHEMICAL SC  
TEZPUR UNIV  
TEZPUR 784028 ASSAM

*Dr. Karak*  
*Dr. Karak*

Dated: 10th Oct, 2017  
*for info.*  
*[Signature]*

Subject: Grants-in-aid for your scheme entitled : DEVELOPMENT OF WATER-BORNE HYPERBRANCHED POLYESTERS AND POLYURETHANES FROM BIO-BASED RESOURCES AND THEIR NANOCOMPOSITES

Sir,  
I am directed to refer to your proposal for sanction of CSIR Scheme titled above and to convey the approval of DG CSIR as per the details given below.

I	Duration of the Scheme (from the date of Commencement)	36 Months		
II	Staff	1-RA		
III	Contingency (per annum in ₹)	1 <sup>st</sup> Year : 1,00,000	2 <sup>nd</sup> Year : 1,00,000	3 <sup>rd</sup> Year : 1,00,000
IV	Equipment (lumpsum in ₹)	10,00,000		

- The above sanction is subject to review of periodical progress of the project by expert committee.
- DG CSIR has also approved the release of the following grants for the period 01/10/2017 to 31/03/2018

No	Grants	Amount (in ₹)
I	Staff	2,16,000
II	Contingency	50,000
III	Equipment	10,00,000
<b>Total :</b>		<b>12,66,000</b>

- Sanction of grants is subject to strict compliance of the terms and conditions enclosed or as may be modified from time to time. Please go through the instructions carefully with regard to subsequent release of grants and your obligations under this sanction. The grant for the 1<sup>st</sup> installment will be sent through EFT (Electronic Funds Transfer), to the concerned authority of your institution on receipt of undertaking (form-A), non-funding certificate and EFT Transaction Request Form.

The expenditure is debit to budget head P81102.

Yours faithfully,

*[Signature]*

SECTION OFFICER (EMR-II)

Encl : As above

Copy to :-

- Registrar/Principal Director Tezpur University, TEZPUR-784028 (Assam). The utilisation of grant is subject to compliance of para-1 of the terms and conditions stated overleaf.
- Sr F&AO(EMR) alongwith FVC for first year's grant.

*Ato*  
*[Signature]*  
01.11.2017

**ORDER**

**Sub:** Financial approval of the project under Women Scientist Scheme-B (WOS-B) entitled "Evaluation of environment friendly control measures of Japanese encephalitis vector in its breeding site in worsty effected region of Sonitpur District of Assam".

**PI** Ms. Oli Talukdar, Department of Environmental Sciences, Tezpur University, Tezpur-784028, Assam.

Sanction of the President is hereby accorded to the approval of the above mentioned project at a total cost of ₹ 18,05,000/- (Rupees Eighteen Lac Five Thousand only) for a duration of 3 years. The detailed breakup of the grant for General ( ₹ 14,05,000/-) as well as Capital ( ₹ 4,00,000/-) Components are given below:

Sl. No.	Heads	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	Total
<b>A.</b>	<b>Non-Recurring (Capital Items)</b>				
	Equipments: Multiparameter with GPS, CDC miniature light (6), 6 volt rechargeable battery (6), Computer, Printer	4,00,000/-	-----	-----	4,00,000/-
<b>B.</b>	<b>Recurring(General)</b>				
	Fellowship for M.Sc@₹ 30,000/-	3,60,000/-	3,60,000/-	3,60,000/-	10,80,000/-
	Consumables	50,000/-	50,000/-	50,000/-	1,50,000/-
	Contingencies	20,000/-	20,000/-	20,000/-	60,000/-
	Travel	20,000/-	20,000/-	20,000/-	60,000/-
<b>C.</b>	<b>Overhead</b>	45,000/-	5,000/-	5,000/-	55,000/-
<b>D.</b>	<b>Total of Recurring Grant (B+C)</b>	<b>4,95,000/-</b>	<b>4,55,000/-</b>	<b>4,55,000/-</b>	<b>14,05,000/-</b>
<b>E.</b>	<b>GRAND TOTAL (A+D)</b>	<b>8,95,000/-</b>	<b>4,55,000/-</b>	<b>4,55,000/-</b>	<b>18,05,000/-</b>

2. Sanction of the grant is subject to the conditions as detailed in website [www.dst.gov.in](http://www.dst.gov.in).

3. The sanction of the President is also accorded to the release of ₹ 4,95,000/- (Rupees Four Lac Ninety Five Thousand only) under "General Component" to The Registrar, Tezpur University, Tezpur-784028, Assam, being the first installment of the grant for the year 2017-2018 for implementation of the above mentioned project.

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

5. 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 instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

6. 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.

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

(a) 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.

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

Contd. p/-2

File.  
 Dhanraj  
 01.11.2017

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 DST (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the grantee organization, which will be adjusted towards future release of grant.

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

10. The Principal Investigator under Women Scientist Scheme is not permitted to withdraw any emoluments/ salary/fellowship from any other source/project either supported by DST or by any other funding agency

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

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

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

14. The expenditure involved is debitable to Demand No.84, Department of Science & Technology for the year 2017-18.

3425 Other Scientific Research (Major Head)

60 Others (Sub-Major Head)

**60.200 Assistance to other Scientific Bodies (Minor Head)**

68 Science and Technology Institutional and Human Capacity Building (Sub Head)

01 Disha Programme for Women in Science

68.01.31 **Grants-in-aid General for the year 2017-2018 (Voted)**

(Previous: Disha Programme for Women in Science 3425.60.200.55.01.31)

15. The amount of ₹ 4,95,000/- (Rupees Four Lac Ninety Five Thousand only) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to **Registrar, Tezpur University, Tezpur-784028, Assam**. The bank details for electronic transfer of funds through RTGS are given below:-

Institute name : Tezpur University,  
Bank Name : State Bank of India  
Account Number : 30448821505  
Branch : Main Branch, Tezpur  
IFSC code : SBIN0000195

16. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. 475 in the register of grants maintained in the **KIRAN Division** for scheme (**KIRAN: WOS-B**).

17. This issues with the concurrence of IFD Vide their Concurrence Dy.No)/2292/2017-18 dated 07.09.2017.



(Vandana Singh)  
Scientist-D

Copy for information and necessary action to:-

1. The Director of Audit (CW & M-II), AGCR Building, IP Estate, New Delhi-110 002.
2. Copy with two spare copies of the sanction to the Drawing & Disbursing Officer, DST, Cash Section.
3. The Registrar, Tezpur University, Tezpur-784028, Assam
4. Dr. Satya Sundar Bhattacharya, Department of Environmental Sciences, Tezpur University, Tezpur-784028, Assam.
5. Ms. Oli Talukdar, Department of Environmental Sciences, Tezpur University, Tezpur-784028, Assam.
6. Pay & Accounts Officer, DST, New Delhi.
7. IFD, DST, New Delhi.
8. Sanction Folder.



(Vandana Singh)  
Scientist-D

Serial No. 1687  
 Dt. 11.2017  
 SR/NM/NI-1032/2016 (G)  
 Government of India  
 Ministry of Science & Technology  
 Department of Science & Technology  
 (Nano Mission)

Office of the  
 Receipt No. 4  
 Date 05.10.2017  
 Received

Dear RRD  
 R.O.

Technology Bhavan  
 New Mehrauli Road  
 New Delhi - 110 016  
 Dated: 17.10.2017

**ORDER**

Sub: Financial assistance for the technology project entitled "Miniaturized flexible planar antennas for body worn applications as health monitoring systems in L and S band using nano magneto-dielectric composite as substrate" under the guidance of Dr. Nidhi Saxena Bhattacharya, Department of Physics, Tezpur University, Napaam, Sonitpur, Assam-784 028- regarding release of 1<sup>st</sup> installment of the grant.

Sanction of the President is accorded to the approval of the above mentioned project at a total cost of **86,96,200/-** (Rupees eighty six lakh ninety six thousand two hundred only) for a duration of 3 years. The detailed break-up of the grant as well as Capital Components are given below:-

General Component: Rs. 32,74,200/-  
 Capital Component: Rs. 54,22,000/-

Budget head	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	Total
<b>Non-Recurring(A)</b>				
<b>Equipment</b> (E M human phantom and accessories: EM absorber sheets/cables and connectors; MMIC circuits)	54,22,000			54,22,000
<b>Subtotal Non-Recurring</b>				54,22,000
<b>Recurring(B)</b>				
<b>Manpower</b> (as per DST norms) JRF (2) @25,000-25,000-28,000+ HRA @10%	6,60,000	6,60,000	7,39,200	20,59,200
<b>Consumables</b>	1,80,000	1,80,000	1,80,000	5,40,000
<b>National Travel</b>	50,000	50,000	50,000	1,50,000
<b>Contingencies</b>	50,000	50,000	50,000	1,50,000
<b>Overhead Charges</b>	1,25,000	1,25,000	1,25,000	3,75,000
<b>Subtotal Recurring</b>				32,74,200
<b>Total(A+B)</b>	<b>64,87,000</b>	<b>10,65,000</b>	<b>11,44,200</b>	<b>86,96,200</b>

- The sanction of the President is also accorded to the release of **Rs. 9,78,000/-** (Rupees nine lakh seventy eight thousand only) to the "Registrar, Tezpur University, Napaam, Sonitpur, Assam-784 028" being the first installment of the grant under 'Grants-in-aid General' for implementation of above mentioned project.
- This sanction is subject to the condition that the grantee organisation will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned/accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.
- The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.
- The grant-in-aid being released is subject to the condition that
  - A transparent procurement procedure in line with the provisions of General financial Rules 2017 will be followed by the university/institute under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the project and a certificate to this effect will be submitted by the university institute immediately on receipt of the grant

SO  
 Anujal  
 11/10/2017

Request the  
 PS to submit the  
 documents for registration of  
 project. Anujal  
 11/10/2017

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

6. 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 DST (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the grantee organization, which will be adjusted towards future release of grant.
7. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.
8. 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 Principal Accounts Office of the DST), whenever the organization is called upon to do so on, as laid down under Rule 236(1) of General Financial Rules 2017.
9. Due acknowledgement of technical support/ financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications/ media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.
10. Failure to comply with the terms and condition of the Bond will entail full refund with interest in terms of Rule 231(2) of GFR 2017.
11. The expenditure involved is debit to Demand No.84, Department of Science & Technology for the year 2017-18:

Demand No. 84	Department of Science & Technology
3425	Other Scientific Research (Major Head)
60.	Others: (Sub-Major Head)
60.200	Assistance to other Scientific Bodies (Minor Head)
69.	Research & Development (National Mission on Nano Science & Nano Technology)
<b>69.00.31</b>	Grants-in-aid General for 2017-2018 (Previous: Nano Mission: 3425.60.200.36.01.31)
This release is being made under Nano Mission.	

12. The amount **Rs. 9,78,000/-** (Rupees nine lakh seventy eight thousand only) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to the "Registrar, Tezpur University, Napaam, Sonitpur, Assam-784 028". The bank details for electronic transfer of funds through RTGS are given below:-

Saving Bank Account Number	30448821505
Name of the bank and branch	State Bank of India, Tezpur, Lake Road, Tezpur, Sonitpur, Assam-784001
RTGS/IFSC Code	SBIN0000195
MICR Code	784002002

13. As per rule 234 of GFR 2017, this sanction has been entered at S. No. **141 NMD** in the register of grants maintained in the Division for the scheme Research & Development (National Mission on Nano Science & Nano Technology).
14. The issues with the concurrence of IFD Vide their Concurrence Dy. No. C/ **2855** /IFD/2017-18 dated **05.10.2017**.

  
 (G.V RAGHUNATH REDDY)  
 Scientist-F

To  
Pay & Accounts Office,  
Department of Science & Technology  
New Delhi

3

-3-

Copy forwarded for information and necessary action to:

1. The Principal Director of Audit, Scientific Department  
111rd floor, AGCR Building, I.P. Estate  
New Delhi.
2. Drawing and Disbursing Officer, DST, Cash Section.  
(Copy with two spare copies)
3. **Dr. Nidhi Saxena Bhattacharyya**  
**Department of Physics**  
**Tezpur University, Napaam, Sonitpur**  
**Assam-784 028**
4. **The Registrar**  
**Tezpur University, Napaam, Sonitpur**  
**Assam-784 028**
5. The Pay & Accounts Officer, DST.
6. Sanction folder (Nano Mission).
7. File copy.

  
(G.V RAGHUNATH REDDY)  
Scientist-E

C-305

**SR/NM/NT-1032/2016(G)**  
Government of India  
Ministry of Science & Technology  
Department of Science & Technology

Technology Bhavan  
New Mehrauli Road  
New Delhi -110 016.  
Dated: 11<sup>th</sup> December, 2020

**ORDER**

<b>Subject:</b>	Financial assistance for research project entitled "Miniaturized flexible planar antennas for body worn applications as health monitoring system in L and S band using nano magnetodielectric composite substrate" by Professor Nidhi Saxena Bhattacharyya, D/o Physics, Tezpur University, Napaam, Tezpur-784028-(Assam) . regarding release of 2 <sup>nd</sup> instalment of General.
-----------------	---

In continuation of this Department's sanction order of even number dated 26.09.2018, sanction of the President is hereby accorded for release of **Rs.12,22,000/- (Rupees twelve lakh twenty two thousand only)** as 2<sup>nd</sup> instalment of grant for "General" expenditure for implementation of the project.

2. Approval of the President is also accorded for the following:
  - i) Post facto carry forward of Rs 54,22,000/- (C) and Rs.9,98,948/- (G) From FY 2017-18 to 2018-19; and Carry forward of Rs. 54,22,000/- (C) and Rs 4,37,644/- (G) From FY 2018-19 to 2019-20; and
  - ii) Carry forward of Rs. 21,36,105/- (C) and Rs 50,660/- From FY 2019-20 to FY 2020-21 and utilizing the grants for the purpose of project implementation; &
  - iii) **Extension in the duration of this project till 31.03.2021 within the earlier sanctioned cost.**
3. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.
4. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.
5. The grant-in-aid being released is subject to the condition that:
  - a. 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 organisation while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization on receipt of the grant:
  - b. While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.
6. Failure to comply with the terms and conditions of the Order will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.
7. 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 DST (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate. The interest thus accrued will have to be deposited in the Consolidated Fund of India after the accounts are finalised for the project as per clause 230 (8) of GFR 2017.
8. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.
9. In case the scheme provides 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 DST or by any other funding agency.
10. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.
11. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

...contd/-

GOVERNMENT OF ASSAM  
OFFICE OF THE COMMISSIONER PANCHAYAT & RURAL DEVELOPMENT  
PANJABARI JURIPAR GUWAHATI-37

No. DRD-15/5/2015/246  
Dated 20-10-2017

OFFICE ORDER

The following institution is hereby entrusted to conduct a study on the high expenditures made by the Development Blocks under MGNREGA for the FY 2016-17 allotted to them as shown in the table as follows:

Sl. No.	Name of the Institute	District for enquiry	Block for enquiry
1.	Tezpur University	Udalguri	Udalguri
		Sonitpur	Dhekiajuli

The criteria for the study are as follows:

- i) Reason for high expenditure in the Development Blocks.
- ii) Adherence to the prescribed procedures, norms, guideline in planning and implementation.
- iii) Status of physical assets created in the Development Blocks under MGNREGA.
- iv) The study should be completed within 3 (three) months.

The Expenditure for the study will be borne from the 6% Administrative Expenditure under MGNREGA @ Rs.1.50 lakh per Development Block.

  
(Dr. J.B. EKKA, IAS)  
Commissioner,

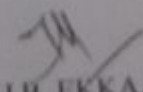
Panchayat & Rural Development, Assam

Dated 20-10-2017

Memo No. DRD-15/5/2015/246-A

Copy to :-

1. P.S to the Hon'ble Minister, Panchayat & Rural Development, Assam for kind appraisal to the Minister, P&RD, Assam
2. P.S to the Addl. Chief Secretary, Panchayat & Rural Development Deptt., Assam for kind appraisal to the Addl. Chief Secretary.
3. Prof. S.S. Sarkar, Principal Investigator, Tezpur University for information and necessary action.

  
(Dr. J.B. EKKA, IAS)  
Commissioner,

Panchayat & Rural Development, Assam

OTC

Dr. B. Borah / former P.  
 Dr. B. Borah, CSE

Serial No. 161  
 Date of Receipt 11/11/2017  
 Receipt No. 4323  
 Date ..... 2017  
 Received by .....

No. 9-11/RIFD/MODROBS/Policy-1/2016-17  
 The Drawing and Disbursing Officer  
 (Local)

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION of the Registrar  
 Nelson Mandela Marg, Vasant Kunj, New Delhi-110067

Subject: Release of Grant-in-Aid under Modernization and Removal of Obsolescence Scheme (MODROBS) for the year 2016-17 payable during the current financial year 2017-18.

I am directed to convey the sanction of the Council for payment of Rs. 240000/- (Rupees Two Lakh Fourty Thousand Only) for the year 2016-17 under the Modernization and Removal of Obsolescence Scheme (MODROBS) to Tezpur University, Napaam, Tezpur - 784 028 District : Sonitpur, Assam, India for meeting the expenditure for implementing the Scheme as per details given below:

Name of the Beneficiary Institution : Tezpur University, Napaam  
 Tezpur - 784 028, District : Sonitpur, Assam, India

Chief Coordinator's Name & Deptt. : Dr. Bhogeswar Borah,  
 Deptt. of Computer Science/ Technical En

Title of the Project : Modernization of Basic Hardware Laboratory

Grant-in-aid Sanctioned : Rs.240000/- [Rs.197647 /- for non-recurring and Rs.42353 /- for  
 (80% in advance and 20% as reimbursement on recurring expenditure)  
 submission of UC and other related documents)

Amount to be released : Rs. 240000/-

Approved Duration (in years) : 2 Year

The sanctioned grant-in-aid is debitible to the major Head 601.4.a MODROBS grant and is valid for payment during the financial year 2016-17.

The grant-in-aid of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of The Principal / Director / Registrar Tezpur University, Napaam, Tezpur - 784 028, District : Sonitpur, Assam, India.

The Institute is requested to verify the correctness of the under mention bank account/ RTGD submitted by them along with the proposals, in which the grant is being released. In case of any omission the same should be reported to AICTE immediately along with refund of entire grant.

Bank Name	Bank Branch and address	Account Holder's Name	Account Number	Type of Account	IFSC Code	Type of Institution	Institution's PAN No.
STATE BANK OF INDIA	Lake Road, Tezpur, Sonitpur, Assam	TEZPUR UNIVERSITY R & D	30448821505	Saving Account	SBIN0000195	Government	AAAJT2654F

The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal / Director / Registrar shall intimate about the receipt of the grant to AICTE. Any Expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within **one month** of the receipt of the grant, the approval shall ipso facto lapse.

Each project sanctioned by AICTE is assigned a specific Ref. No. given on the pre-page. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.

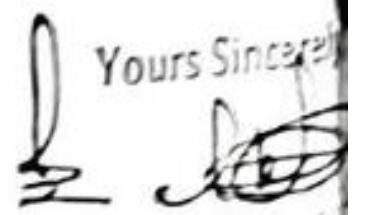
The accounts of the grantee which are liable to be audited by the Council or Comptroller and Audited General of India or by any Officer designated for the purpose.

The institute/University shall not charge any overheads on this project and will provide all the administrative support for completion of the project.

The grantee shall utilize grants on only approved items of expenditure (list enclosed). However in case the grantee wishes to recast the project, approval of the Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India.

Copy: Dr. Bhageswar Borah, CSE  
 Contd...2/-  
 Annihilated  
 21.11.2017

- The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed, encumbered or utilize for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education and should at any time the institution cease to function, such assets shall revert to the All India Council for Technical Education.
10. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register of assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
  11. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may also refund the interest amount to AICTE or AICTE should adjust the same in the next installment of grant before releasing.
  12. Since the duration of the project is for two years, the request for reimbursement of 20% of remaining amount shall be made within UC and other related documents in such a way that the entire project is completed in the prescribed period of two years.
  13. The Annual Progress Report in the prescribed format along with Statement of Expenditure and Audited Utilization Certificate shall be submitted to AICTE not later than one month after completion.
  14. Project Completion Report (PCR) in the prescribed format along with the Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format, utilization in the format and GFR-19 shall be submitted to the Council.
  15. The Utilization Certificate (UC) supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the All India Council for Technical Education immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
  16. The grantee shall follow the terms and conditions of Modernization and Removal of Obsolescence (MODROBS) as laid down in the scheme details under AICTE AQIS 2016-17.
  17. The Grantee shall fully implement the official language policy of Union Government and comply with the official language Act, 1963 and official language (use of official purposes of the Union Rules, 1976 etc.)
  18. The University / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/Department, which has been modernized using the grant. All the equipment procured through the project should be inscribed with AICTE project file number.
  19. The funds to the extent are available under the scheme.
  20. The sanction issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the Rules and Regulation of the scheme.

Yours Sincerely  


(Dileep N. Malkhede)  
 Advisor, (RIFD)  
 30/1/20

Copy forwarded for information and necessary action to:

1. THE PRINCIPAL / DIRECTOR / REGISTRAR,  
 Tezpur University, Napaam, Tezpur - 784 028  
 District : Sonitpur, Assam, India,

2. Dr. Bhogeswar Borah,  
 Deptt Of Computer Science & Engineering  
 Tezpur University, Napaam, Tezpur - 784 028  
 District : Sonitpur, Assam, India,

3. Office of Director General of Audit,  
 General Revenues,  
 AGCR Building, I.P. Estate,  
 New Delhi-110 002.

4. Guard

टेली फोन/PABX : 26588980, 26588707, 26589336, 26589745, 26589414  
फैक्स : 011-26588662, 011-26589791, 011-26589258

तार/GRAM : विज्ञान / SCIENTIFIC  
Web-site : www.icmr.nic.in  
E-mail : icmrhpls@sansad.nic.in



## भारतीय आयुर्विज्ञान अनुसंधान परिषद INDIAN COUNCIL OF MEDICAL RESEARCH

वी. रामलिंगस्वामी भवन, अन्सारी नगर, पोस्ट बॉक्स 4911, नई दिल्ली - 110 029  
V. RAMALINGASWAMI BHAWAN, ANSARI NAGAR, POST BOX 4911, NEW DELHI - 110 029

No. 58/10/2015-BMS

Date: 7.11.2017

Subject:- Payment of 1<sup>st</sup> instalment of the 1<sup>st</sup> year grant-in-aid for the project entitled "Isolation, identification and characterization of marker proteins from the Venom of Naja Kaouthia and Bungarus fasciatus of North East India for Development of Rapid Diagnostic Tool for Identification of snakebite in North East India"

### MEMORANDUM

The Director General of the ICMR sanctions **grant** of Rs. 2,88,750/- [Rupees two lakhs eighty eight thousand seven hundred fifty only] as the 1<sup>st</sup> instalment of the 1<sup>st</sup> year grant for the period from 1.2.2018 to 31.7.2018 for incurring expenditure in connection with the above mentioned project.

The amount of Rs. 2,88,750/- may be debited under the provision made of Rs.19,24,000/- on the above mentioned research project for the year 2017-2018.

A formal bill for Rs. 2,88,750/- is sent herewith for payment by NEFT/RTGS in favour of the Registrar, Tezpur University, Tezpur Assam. This issued with the concurrence of the Finance Divn., vide RFC No. BMS/Adhoc-NER/1/2017-2018 dated 9.10.2017

Contingency @ Rs. 5,50,000 = Rs. 2,75,000 + over head 5% Rs. 13,750/- = Rs. 2,88,750/-

(G.S.Sandhu)  
Admn. Officer  
For Director General

Accounts. V. ICMR

Copy to: The Registrar, Tezpur University, Tezpur 784028 Assam

2. Dr. Robin Doley, Associate Professor, Deptt. of Molecular Biology and Biotechnology, Tezpur University, Tezpur 784028 Assam

It is requested that an audited statement of account together with utilization certificate of the grant received and utilized in \_\_\_\_\_ may kindly be sent to this office.

IRIS Cell No. 2014-3050  
Central File.

Admn. Officer  
For Director General

Tel 26588895, 26588980,  
26588724, 26589336  
Email [headquarters@icmr.org.in](mailto:headquarters@icmr.org.in)  
[icmrhqds@sansad.nic.in](mailto:icmrhqds@sansad.nic.in)

GRAM SCIENTIFIC  
FAX :011-26588980



## INDIAN COUNCIL OF MEDICAL RESEARCH

V. Ramalingawami Bhawan, Ansari Nagar, Post Box No. 4911  
New Delhi - 110029

### APPLICATION FOR GRANT-IN-AID OF AD-HOC RESEARCH PROJECT (Please furnish 30 copies)

#### Section A GENERAL

1. Title of the Research Project – **Isolation, Identification and Characterization of Major Proteins from the Venom of *Naja kaouthia* and *Bungarus fasciatus* of North East India for Development of Rapid Diagnostic Tool for Identification of snakebite in North East India**
2. Name and Designation of
  - i) Principal Investigator & Email – **Dr. Robin Doley**  
Associate Professor  
Dept. of Molecular Biology and Biotechnology  
Tezpur University, Tezpur-784028, Assam India  
[doley@tezu.ernet.in](mailto:doley@tezu.ernet.in)
  - ii) Co-Investigator(s) & Email - **Dr. A. K. Mukherjee**  
Professor  
Dept. of Molecular Biology and Biotechnology  
Tezpur University, Tezpur-784028, Assam India  
[akm@tezu.ernet.in](mailto:akm@tezu.ernet.in)
3. Duration of Research Project
 

i) Period which may be needed for collecting the data	3 years
ii) Period that may be required for analyzing the data	2 years
	1 year
4. Amount of grant-in-aid asked for  
(details are to be furnished in Section B)

Heads	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	Total
i. Staff JRF (01) (@ 25,000 for 1&2 yrs and @ 28000 for 3 yr)	3,00,000.00	3,00,000.00	3,36,000.00	9,36,000.00
Contingencies	50,000.00	50,000.00	50,000.00	1,50,000.00
Recurring	5,00,000.00	5,00,000.00	5,00,000.00	15,00,000.00
Non recurring (equipment)	10,00,000.00	0	0	10,00,000.00
Travel	50,000.00	50,000.00	50,000.00	1,50,000.00
Overhead charges	50,000.00	50,000.00	50,000.00	1,50,000.00
<b>Total</b>	<b>19,50,000.00</b>	<b>9,50,000.00</b>	<b>9,86,000.00</b>	<b>38,86,000.00</b>



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH  
EXTRAMURAL RESEARCH  
CSIR COMPLEX, PUSA, NEW DELHI

REGISTERED

19

No. 02(0327)/17/EMR-II  
From : Head, Human Resources Development Group

Dated : 08-11-2017

To

DR BIPUL CHANDRA SARMA  
DEPT OF CHEMICAL SC  
TEZPUR UNIV  
TEZPUR 784028 ASSAM

Subject : Grants-in-aid for your scheme entitled : MULTICOMPONENT CRYSTAL TECHNOLOGY TO IMPROVE DRUG PHARMACOKINETIC ATTRIBUTES

Sir,

I am directed to refer to your proposal for sanction of CSIR Scheme titled above and to convey the approval of DG CSIR as per the details given below.

I	Duration of the Scheme (from the date of Commencement)	36 Months		
II	Staff	1-RA/JRF/SRF		
III	Contingency (per annum in ₹)	1 <sup>st</sup> Year : 3,00,000	2 <sup>nd</sup> Year : 3,00,000	3 <sup>rd</sup> Year : 3,00,000
IV	Equipment (lumpsum in ₹)	5,00,000 (Ls)		

- The above sanction is subject to review of periodical progress of the project by expert committee.
- DG CSIR has also approved the release of the following grants for the period 01/11/2017 to 31/03/2018

No	Grants	Amount (in ₹)
I	Staff	1,80,000
II	Contingency	1,25,000
III	Equipment	5,00,000
<b>Total :</b>		<b>8,05,000</b>

- Sanction of grants is subject to strict compliance of the terms and conditions enclosed or as may be modified from time to time. Please go through the instructions carefully with regard to subsequent release of grants and your obligations under this sanction. The grant for the 1<sup>st</sup> installment will be sent through EFT (Electronic Funds Transfer), to the concerned authority of your institution on receipt of undertaking (form-A), non-funding certificate and EFT Transaction Request Form.

The expenditure is debitable to budget head P81102.

Yours faithfully,

SECTION OFFICER (EMR-II)

Encl : As above

Copy to :-

- Registrar/Principal/Director, Tezpur University, Tezpur - 784028 (Assam). The utilisation of grant is subject to compliance of para-1 of the terms and conditions stated overleaf.
- Sr F&AO(EMR) alongwith FVC for first year's grant.



एस.पी. मिश्र  
उप कार्यकारी निदेशक-1  
S. P. MISHRA  
Deputy Executive Director-I

भारतीय राष्ट्रीय (अकादमी)  
बहादुर शाह ज़ाफर मार्ग, दिल्ली-110 002  
INDIAN NATIONAL SCIENCE ACADEMY  
Bahadur Shah Zafar Marg, New Delhi-110 002

No. INSA/SP/YSP/145/2017/ 1584  
November 15, 2017

26 NOV 2017

Sub: INSA Young Scientist Project

Dear Dr. Pratihar

This has reference to your letter along with research proposal entitled "Ruthenium, Nickel and Palladium based Homogeneous Catalysts for Ethanol to Butanol conversion" for consideration of grant under Young Scientist Project. I am pleased to inform you that Academy has approved this project for three years from the date of starting the project which is to be renewed every year on the receipt of satisfactory Annual Progress Report. You may join the above position on and before 31 March, 2018.

Research grant of Rs. 5.00 lacs per annum for three years to cover research related expenditure including travel to participate in seminars/ symposia and field work (including overhead charges upto a maximum of 20% of the project cost, if applicable).

Please send the enclosed claim bill (in duplicate) duly filled in through your Institutional Head for release of grant.

With regards,

Yours Sincerely,

SP Mishra  
DED-I (Scientific)

Dr. Sanjay Pratihar  
Department of Chemical Sciences  
Tezpur University  
Assam-784028

Copy to:

1. Director, Tezpur University, Assam-784028
2. DED-II (F&A), INSA
3. Office Copy

टेलीफोन/Tel. : 91-11-23221931 - 23221950 (ई.पी.ए.बी.एक्स./EPABX)  
 फैक्स/Fax : 91-11-23231095, 23235648  ई-मेल/E-mail : dedsc@insa.nic.in  
 वेबसाइट/Website : www.insaindia.res.in

पब्लिक/पब्लिक/पब्लिक 26588980, 26588707, 26589336, 26589745,  
26589873, 26589414  
फैक्स/फैक्स : 011-26588662, 011-26589791, 011-26589258

Serial No. 1953  
Date of Recd. 11/12/2017  
Dean RSD

SCIENTIFIC  
www.icmr.nic.in  
E-mail: icmr@icmr.nic.in



# भारतीय आयुर्विज्ञान अनुसंधान परिषद INDIAN COUNCIL OF MEDICAL RESEARCH

वी.रामलिंगस्वामी भवन, अन्सारी नगर, पोस्ट बॉक्स 4911, नई दिल्ली - 110 029  
V.RAMALINGASWAMI BHAWAN, ANSARI NAGAR, POST BOX 4911, NEW DELHI - 110 029

0.5/7/1346/2015-CH

Registrar,  
Tezpur University  
Tezpur, Assam,  
784028

① Dean RSD / for M.A.P.  
② F.O.  
B. 7/12/17

Dated: 22/11/2017

Office of the Registrar  
Tezpur  
5242  
08 DEC 2017

Subject:- Sanction of budget allotment for the New Research proposal entitled "An Assessment of conflict as a social determinant of health in the North East region of India" Under Ms. Veda Yumnam, Tezpur, University, Assam.

Sir/Madam,

The Director General of the council sanctions the above mentioned project with total budget allotment of Rs. 17,00,660/- for a duration of 2 years (details in Annexure-1). Details of the first year budget of Rs. 12,17,785/- w.e.f. 01.12.2017 along with 1st installment are provided in Annexure-2.

The grant-in-aid will be given subject to the following conditions.

1. The payment of the grant will be made in two installments in the name of Head of the Institute. The first installment of the grant will be paid generally as soon as report regarding the commencement of the project and appointment of the staff is received by the Council. The demand for payment of the subsequent installment of the grant should be placed with the Council in advance.
2. The staff appointed on the project should be paid as indicated in the attached budget statement.
3. The approved duration of the research scheme is 2 years. The annual extension will be given after review of the work done on the research scheme during the previous year.
4. Six copies of the annual progress report of work done be submitted to the Council every year after completion of ten months of the project. Failure to submit the report in time may lead to termination of the project.
5. The Institute will maintain a separate account of the receipts and the expenditure incurred on the research scheme and will furnish an utilization certificate and an audited statement of the account pertaining to the grant.
6. The other terms and conditions are indicated in Annexure- III

The receipt of this letter may please be acknowledged.

Yours faithfully,

(Harjeet Kaur Bajaj)  
Admn. Officer  
for Director General

S.O. Pl.  
11/12/17

**Copy together with a copy of the budget statement forwarded for information to:**

3

1. Ms. Veda Yumanm, Assistant Professor at the Deptt. Of social work, Tezpur University, Napaam, Sonitpur, Assam.
2. Copy together with two copies of the budget statement forwarded to **Accounts Section-V**, ICMR for information and necessary action. The expenditure on the account may be met from the provision made under **head Tribal** on grant-in-aid basis in the budget of the Council for the financial year 2017-18.
3. Finance Division.
4. IRIS cell: 2015-0380.

RFC No: RCH/TSP/1/2017-18 dated 15.11.2017



for Director General

35

FILE NO EMR/2017/001829  
**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**  
 (a statutory body of the Department of Science & Technology, government of India)

5 & 5A, Lower Ground Fl  
 Vasant Square B  
 Plot No. A, Community Cen  
 Sector-B, Pocket-5, Vasant K  
 New Delhi-1100

Dated: 29-Nov-2

**ORDER**

Financial Sanction of the research project titled "Studies on signal transduction mechanism(s) of Indian cobra (*Naja naja*) and Russell's Viper (*Daboia russelli*) neurotrophin molecules in cultured neuronal cells and their functional significance" under the guidance of Prof. Ashis Kumar Mukherjee, Molecular Biology Technology, Tezpur University, Distt. Sonitpur p b no 72 napaam, tezpur, Assam-784011 and by Dr. Robin Doley, Associate Professor, Molecular Biology Technology, Tezpur University - 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. 3929600/- (Rs. Thirty Nine Lakh Nine Thousand Six Hundred Only) with break-up of Rs. 500000/- under Capital (Non-recurring) head and Rs. 3429600/- under General (Recurring) head for a period of 36 months. The items of expenditure for which the total allocation of Rs. 3929600/- has been approved are given below: Following budget may be considered for Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur

Head	Total (in Rs.)
<b>Non-recurring</b>	
Equipment -> CO2 Incubator (Other Cost INR 139999)	5000
<b>Total (Non-Recurring)</b>	<b>5000</b>
<b>Recurring Items</b>	
Recurring - I (Manpower)	10296
Recurring - II ( Consumables, Travel, Contingencies)	20500
Recurring - III (Overhead Charges)	3500
<b>Total (Recurring)</b>	<b>34296</b>
<b>Total cost of the project (A + B')</b>	<b>39296</b>

Sanction of the SERB is also accorded to the payment of Rs. 500000/- (Rupees Five Lakh only) under 'Grants for creation of capital assets' and Rs. 1130000/- (Rupees Lakh Thirty Thousand only) under 'Grants-in-aid General' to Registrar, Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur being the first installment of grant for the year 2018-2019 for implementation of the said research project.

The expenditure involved is debit to Fund for Science & Engineering Research (FSER) and the release is being made under Core Research Grant. (PAC Biophysics, Biochemistry, Molecular Biology & Microbiology)

The Sanction has been issued to Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur with the approval of the competent authority under delegated powers on 28 November, 2018 and vide Diary No SERB/F/9755/2018-2019 dated 28 November, 2018

The release of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).

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

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

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.

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

The release amount of Rs. 1630000/- (Rupees Sixteen Lakh Thirty Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of bank transaction as per their Bank details given below:

Account Name	Tezpur University R&D
Account Number	30448821505

*[Handwritten Signature]*  
24/11/2018

State Bank of India State bank of India, Lake Road, Sonitpur-784001, Tezpur
SBIN0000195
registrartu@tezu.ernet.in
akm@tezu.ernet.in

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-Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

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 SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

Project File no. EMR/2017/001829 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

Employment 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 staff if any, beyond the duration of the project

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

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

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 the opening paragraphs of their Annual Report.

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

*(Signature)*  
 (Dr. Harish Kumar)  
 Scientist E  
 ms\_bb@serbonline.in

Secretary  
 New Delhi

Requested for information and necessary action to: -

The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002

Sanction Folder, SERB, New Delhi

File Copy

Prof. Ashis Kumar Mukherjee  
 Molecular Biology and Biotechnology  
 Tezpur University, Distt. sonitpur p.b.no.72 napaam, tezpur, Tezpur, Assam-784011  
 Email: akm@tezu.ernet.in  
 Mobile: 917896003886

Dr. Robin Doley  
 Molecular Biology And Biotechnology  
 Tezpur University  
 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit [www.serb.gov.in](http://www.serb.gov.in).)

Registrar,  
 Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur

(Receipt of Grant may be intimated by name to the undersigned)

*(Signature)*  
 (Dr. Harish Kumar)  
 Scientist E  
 ms\_bb@serbonline.in

*(Signature)*  
 24/11/21 2276

## Budget Details

File Name :EMR/2017/001829

Project Title :Studies on signal transduction mechanism(s) of Indian cobra (Naja naja) and Russell's Viper (Daboia russelii) venoms neurotrophin molecules in cultured neuronal cells and their functional significance

PI Name :Ashis Kumar Mukherjee

S. No	Head	Total (in Rs.)
A	<b>Non-recurring (Capital Items)</b>	
1	Equipment -> CO2 Incubator - 1	500000
A'	<b>Total - Capital</b>	<b>500000</b>
B	<b>Recurring Items</b>	
1	Manpower -> Junior Research Fellow - 1	1029600
2	Consumables	1800000
3	Travel	100000
4	Contingencies	150000
5	Other Cost 0	0
	<b>General - I ( Manpower, Consumables, Travel, Contingencies)</b>	<b>3079600</b>
	<b>General - II Overhead Charges</b>	<b>350000</b>
B'	<b>Total - Recurring</b>	<b>3429600</b>
C	<b>Total cost of the project (without overhead)</b>	<b>3079600</b>
D	<b>Total cost of the project (A' + B')</b>	<b>3929600</b>

*Ashis Kumar Mukherjee*  
24/11/2017

# विज्ञान एवं प्रौद्योगिकी उच्च अध्ययन संस्थान

(भारत सरकार के विज्ञान एवं प्रौद्योगिकी विभाग के अधीन एक स्वशासी संस्थान)

विज्ञान पथ, पश्चिम बड़ागाँव, गड़चुक, गुवाहाटी -781035, असम : भारत

**INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY**

AN AUTONOMOUS R & D INSTITUTE OF DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVT. OF INDIA

VIGYAN PATH, PASCHIM BORAGAON, GARCHUK, GUWAHATI-781035, ASSAM, INDIA.



Memo No. IASST/PF/20-12/

OFFICE OF THE DEAN R&D  
TEZPUR UNIVERSITY  
DATE OF RECEIPT 27/11/2021  
RECEIPT NO. 6984  
SIGNATURE

Date: 21-01-21

To

The Dean R&D  
Napaam, Tezpur,  
Sonitpur, Assam- 784028

(Through Prof. R. Doley, Head, Dept. of MBBT & Co-PI of the project)

Forwarded for  
consideration pls.  
25/1/2021

Sub: Reg: Transfer of SERB project (Studies on signal transduction.....functional significance) from Tezpur University to IASST, Guwahati

Head,  
Dept. of MBBT, T.U.

Dear Prof. Karak

As you are aware, I have joined IASST, Guwahati on 23<sup>rd</sup> Nov, 2020. Initially, I decided that project may be continued under the PI-ship of Prof. R. Doley (Co-PI of the project), however, several technical difficulties are being faced for operation of this project at MBBT, Tezpur University and therefore, both the PI & Co-PI have mutually agreed to transfer this project at IASST, Guwahati. However, Prof. R. Doley will continue to act as Co-PI in the project.

In this regard, I am submitting a NOC from IASST and you are also requested to issue a NOC for the same so both can be submitted to the funding agency for transfer of the project as per rule.

The latest copy of UC/SE is enclosed and a copy of the project report is also enclosed with this letter for further necessary action at your end.

We wish to get your kind co-operation and prompt action at your end.

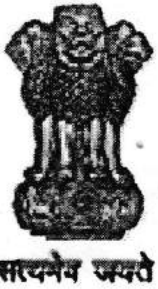
With regards

Ashis K. Mukherjee  
(Director, IASST)

निदेशक/Director  
आई.एस.एस.टी., पश्चिम बड़ागाँव  
IASST, Paschim Boragaon  
गुवाहाटी-35, असम, भारत  
Guwahati-781035, Assam, India

Enclosures:

1. NOC from IASST
2. Latest UC/SE
3. Project report



विश्वविद्यालय अनुदान आयोग  
University Grants Commission  
मानव संसाधन विकास मंत्रालय, भारत सरकार  
(Ministry of Human Resource Development, Govt. of India)  
बहादुर शाह जफर मार्ग नई दिल्ली-110002  
Bahadurshah Zafar Marg, New Delhi - 110002  
Phone : 011-23604410, 011-23604425



ज्ञान-विज्ञान विमुक्तये

Received  
on 28/02/2018

(J.P. Saikia)  
Tezpur University

FD Diary No.8131  
Dated : 19.12.2017

No.F.30-405/2017(BSR)

Dated: December, 2017

The Under Secretary FD-III Section,  
University Grants Commission  
Bahadur Shah Zafar Marg,  
New Delhi - 110002.

09 JAN 2018

**Subject:- Approval-cum-Sanction letter for UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments of various Universities - Release of the grant for the year 2017-2018 under Revenue.**

Sir,

The University Grants Commission convey its approval and allocate a sum of ₹10,00,000/- (Rupees Ten Lakhs Only) @ ₹10.00 Lakh to each Faculty to the Registrar, Tezpur University, Napaam, Tezpur-784 028 Assam being the UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level of Science Departments.

Accordingly, I am further directed to convey the sanction of the University Grants Commission for payment of ₹8,00,000/- (Rupees Eight Lakhs only) (80% of the approved Grant ₹10.00 Lakhs to each Faculty) to the Registrar, Tezpur University, Napaam, Tezpur-784 028 Assam towards UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments as per details given below, the expenditure to be incurred during 2017-2018.

Name of the Item	Head of Account	Name of Faculty / Professor	Name of Departments	Amount Approved (₹)	Amount being released (80%) (₹)
UGC-BSR Start-up grant for newly recruited faculty at Assistant Professor level in science department	3(D) (i) 31	Dr. Jyoti Prasad Saikia	Molecular Biology and Biotechnology	10,00,000/-	8,00,000/-
			Total:	10,00,000/-	8,00,000/-

- The sanctioned amount is debitable to the major Head 3(D) (i) 31 and is valid for payment during the financial year 2017-18 only.
- The amount of the Grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer) UGC on the Grants-in-aid bill and shall be disbursed to and credited to the Registrar, Tezpur University, Napaam, Tezpur-784 028 Assam through Electronic mode as per the following details:
  - Details (Name & Address) of Account Holder : Registrar, Tezpur University, Napaam, Tezpur-784 028 Assam.
  - Account No. : 1699695635
  - Name & Address of Bank Branch : Central Bank of India, Sohan Bhawan, Binraj Road, Tezpur-784 001, Assam.
  - MICR Code : 784016002
  - IFSC Code : CBIN0281346
  - Type of Account : Saving
- The Grant is Subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/Institution.
- The University / Institution shall maintain proper accounts of the expenditure out of the Grants which shall be utilized only on the approved items of expenditure.
- The University / Institution may follow the General Financial Rules, 2005 and take urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and

ORDER

Subject: Financial assistance (1<sup>st</sup> installment) to the Department of Physics, Tezpur University, Napaam-784028. (Assam) under FIST Program.

Sanction of the President is hereby accorded to the approval of the aforesaid project at a total cost of Rs. 1,92,00,000/- (Rupees One crore and Ninety two lakh only) for 5 years. The detailed breakup of the grant for General as well as Capital Components are given below:

To augment the post-graduate teaching and research facilities in the Department  
 Capital Assets:Rs. 180.0 L  
 E-Rs.160.0L [Major Equipment-Rs. 130.0 L (Field Emission Scanning Electron Equipment-Rs. 30.0 L (Single Langmuir Probe, Automatic Refractometer)]  
 NW-Rs. 10.0 L [for setting up a Computer lab]  
 IF-Rs. 10.0 L [Books-Rs. 5.0 L and Renovation of Lab-Rs. 5.0 L]  
 General Components: Rs. 12.0L  
 M- Rs.12.00 L  
 Total : Rs. 192.00 Lakh

Serial No. 030  
 Date of Receipt 04.01.2018  
 File No. Dean P.S.D.  
 Name of the Officer

2. The total budget recommended for 5 years has been phased as below: (Rs. In lakh)

Budget Heads	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year	5 <sup>th</sup> year	Total
Equipment	130.0	30.0	-	-	-	160.0
Networking	-	10.0	-	-	-	10.0
Infrastructure	1.0	1.0 (B) 5.0 (Renovation of Lab)	1.0	1.0	1.0	10.0
Maintenance	-	3.0	3.0	3.0	3.0	12.0
Total	131.0	49.0	4.0	4.0	4.0	192.0

3. Sanction of the President is also accorded to the release of Rs. 1,31,00,000/- (Rupees One crore and thirty one lakh only) to the Registrar, Tezpur University, Napam, Tezpur-784028, (Assam) under FIST Program as a 1<sup>st</sup> installment of the grant in 2017-2018 under 'creation of capital assets' head for the maximum cost of the aforesaid Equipment including (9.4%) Custom Duty & other duties under the 'Equipment'. The break-up of the 1<sup>st</sup> installment grant released now would be 'Equipment': Rs. 130.0 lakh for procurement of Major Equipments mentioned above [Equipments of Foreign Origin to be acquired on FE Terms only and should not include charges for any comprehensive Maintenance and training personnel from the vendors during procurement process] and Infrastructure Facility -Rs. 1.0 L for Books.

4. The Department/Institute will appropriately limit the expenditure within the sanctioned amount in case of any expected excess expenditure. The Department is requested to utilize the released funds in first one year from the date of sanction order.

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

6. The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division with UC id generated in PFMS Portal. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

Head, Dept of Physics  
 Please submit the first project proforma, forwarding letter from Univ. for issue of registration no. by Dean & I.D. office.  
 04/12/2017

B-1-1AM 7443  
 (1) Dean, R.D.  
 (2) F.O.

Government of India  
 Ministry of Science & Technology  
 Department of Science & Technology  
 KIRAN DIVISION

Serial No... 118  
 Date of Receipt...  
 Technology Bhawan  
 New Mehrauli Road  
 New Delhi-110016  
 Dated 20.12.2017

(2)

**Sub:** Financial approval of the project under Women Scientist Scheme-A (WOS-A) entitled "Photocatalytic degradation of organic pollutants in water using LDH and zeolite nanoparticles."  
**PI** Dr Rasna Devi, Department of Chemical Sciences, School of Science and Technology, Tezpur University, Tezpur-784028, Assam.

**ORDER**

Sanction of the President is hereby accorded to the approval of the above mentioned project at a total cost of ₹29,95,500/- (Rupees Twenty Nine Lakh Ninety Five Thousand Five Hundred only) for a duration of 3 years. The detailed breakup of the grant for General (₹27,95,500/-) as well as Capital (₹2,00,000/-) Components are given below:

Sl. No.	Heads	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	Total
<b>A.</b>	<b>Non-Recurring (Capital Items)</b>				
	Equipments: UV light, UV cubet, Autoclave, GC column, Magnetic stirrer, Heating mantle, Water bath, Oil bath	2,00,000/-	-----	-----	2,00,000/-
<b>B.</b>	<b>Recurring(General)</b>				
	Fellowship for Ph.D @ ₹ 55,000/-	6,60,000/-	6,60,000/-	6,60,000/-	19,80,000/-
	Consumables	1,50,000/-	1,50,000/-	1,00,000/-	4,00,000/-
	Contingencies	25,000/-	25,000/-	25,000/-	75,000/-
	Travel	25,000/-	25,000/-	25,000/-	75,000/-
<b>C.</b>	<b>Overhead</b>	1,00,000/-	1,00,000/-	65,500/-	2,65,500/-
<b>D.</b>	<b>Total of Recurring Grant (B+C)</b>	<b>9,60,000/-</b>	<b>9,60,000/-</b>	<b>8,75,500/-</b>	<b>27,95,500/-</b>
<b>E.</b>	<b>GRAND TOTAL (A+D)</b>	<b>11,60,000/-</b>	<b>9,60,000/-</b>	<b>8,75,500/-</b>	<b>29,95,500/-</b>

- Sanction of the grant is subject to the conditions as detailed in website [www.online-wosa.gov.in](http://www.online-wosa.gov.in)
- The sanction of the President is also accorded to the release of ₹9,60,000/- (Rupees Nine Lac Sixty Thousand only) under "General Component" to The Registrar, Tezpur University, Tezpur-784028, Assam being the first installment of the grant for the year 2017-2018 for implementation of the above mentioned project.
- This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.
- 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 instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.
- 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.
- The grant-in-aid being released is subject to the condition that
  - 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.
  - 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 grant under the project shall be considered only on receipt of the said documents.

Dr. R. Devi  
 Please submit the project proposal, forwarding letter  
 to issuing registration no. of this project.  
 Anuraj  
 03/11/2018

Contd.. /2

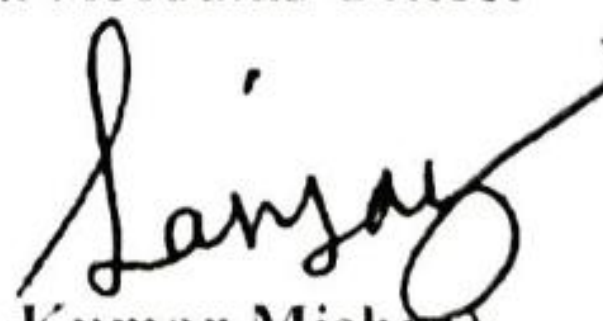
Dated: 22.01.2021

**OFFICE MEMORANDUM**

**Subject:** Extension of Project Duration in Women Scientist Scheme (WOS-A & WOS-B) of KIRAN Division due to COVID-19 pandemic.

In view of extraordinary situation occurred due to COVID-19 pandemic, it has been decided to extend the project duration till March 31, 2021 without any additional cost.

2. This OM will be applicable only in the projects completing during 2020-21.
3. This OM will also applicable in the projects extended earlier vide OM No. DST/KIRAN/04/2020 dated 09.10.2020. These projects can be further extended till March 31, 2021, if required, from revised date of project completion.
4. The Principal Investigators (PIs) who wanted to extend their project duration may show this Office Memorandum to the Institution/University authorities. No separate Order will be issued for this duration.
5. The PI also need to intimate DST (officer-in-charge of the concern programme) about extension and modified date of project closure through email mandatorily.
6. The unspent amount of recurring and non-recurring grant will be carry forward from 2019-20 to 2020-21. PIs are allowed to procure approved equipment items in second financial year of the project also.
7. The institute will furnish to the DST, audited Utilization Certificate and Statement of Expenditure pertaining to the grant immediately after the end of each financial year.
8. As per the 212 (i) of GFR, the accounts of the project shall be open to inspection by 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 Officer of DST, whenever the institute or organization is called upon to do so.

  
(Sanjay Kumar Mishra)  
Head, KIRAN Division

Copy forwarded for information and necessary action to:

1. All the Directors/Registrars/Account Officers of the Host Institutions.
2. Principal Investigators of WOS-A and WOS-B.
3. Office of Secretary, DST.
4. I/D, DST

  
(Sanjay Kumar Mishra)  
Head, KIRAN Division



मुंबई केन्द्र  
Mumbai Centre

विश्वविद्यालय अनुदान आयोग - प  
UGC-DAE Consortium  
(विश्वविद्यालय अनुदान आयोग द्वारा स्थापित स्वशासी संस्थान)  
(An autonomous organization of UGC, New Delhi)

(5)

Ref: UDCSR/MUM/AO/CRS-M-293/2017/590

To:  
Prof. Ashok Kumar  
Department of Physics  
Tezpur University  
Tezpur - 784028

Date:

19 DEC 2017

Sub: Sanction of Collaborative research Scheme titled "Study of interactions of Ionic Liquid ions with unsaturated metal centers in Metal Organic Frameworks based Polymer Electrolyte Nanocomposites incorporated with Ionic Liquids through Neutron scattering and Raman Spectroscopy" (CRS-M-293)

Dear Prof. Kumar,

We are happy to inform you that following the Project Review Meeting held on 22<sup>nd</sup> August, 2017 at Mumbai, your above Collaborative Research Scheme (CRS) project has been sanctioned. Presently the project is sanctioned for one year w.e.f 1<sup>st</sup> January, 2018, but it may be extended after a **review every year**, subject to a total period of three years. The financial sanctions for the year 2018 are as follows:

Sl. No.	Head	Amount sanctioned for current year (01.01.2018 - 31.12.2018)(*)
1.	Scholarship / Fellowship(#)	(**)
2.	Chemicals/Consumables	30,000.00
3.	Contingency	15,000.00
	<b>Total</b>	<b>45,000.00</b>
<b>Note:</b>		<b>No overheads are available under this scheme</b>

(\*) Funds under scholarship will be transferred after appointment of student as per the guidelines of UGC DAE CSR.

(\*\*) Grants under scholarship will be transferred after appointment of student as per the guidelines of UGC-DAE CSR. If the student has already been appointed in your project and is continuing in the project, you may please provide the appointment extension letter for release of Scholarship / Fellowship.

(#) Point no. 2.4 of guideline is to be invariably mentioned in the appointment letter issued to the student.

Guidelines regarding implementation of the CRS, Review, Appointment of Project fellow, Travel support to the PI or Student to visit BARC for performing experiments, etc. are enclosed herewith.

Dr Mala N. Rao (Email: mala@barc.gov.in) and Dr. Rekha Rao Email: rekhar@barc.gov.in) Solid State Physics Division, BARC will be your Principal Collaborator (PC) for the above scheme. You may contact him for implementation of the scheme.

Please send us your acceptance letter by 15.01.2018. On receipt of your acceptance letter, financial grant for CRS will be sent through NEFT/ RTGS (kindly provide details in the enclosed format along with the acceptance letter) to the Registrar/Financial Authority of your Institute, subject to receipt of funds from UGC, New Delhi.

Thanking you,

Yours sincerely

  
Administrative Officer

Encl: As stated  
Copy to,

1. Registrar, Tezpur University, Tezpur - , Assam. - 784028
2. Head, Solid State Physics Division, BARC, Trombay, Mumbai-400 085.
3. Director, UGC-DAE CSR, Univ. Campus, Khandwa Road, Indore-452 017.
4. Dr. Mala N. Rao, Solid State Physics Division, BARC, Trombay, Mumbai - 400 085.
5. Dr. Rekha Rao, Solid State Physics Division, BARC, Trombay, Mumbai - 400 085.

२४६-सी, दूसरी मंजिल, सामान्य सुविधा भवन, भाभा परमाणु अनुसंधान केन्द्र, ट्रॉम्बे, मुंबई - ४०० ०८५  
C, 2nd Floor, Common Facility Building, Bhabha Atomic Research Centre, Trombay, Mumbai-400 085.  
Phone : +91 022 25505327, 25594727 • Fax : +91 022 25505402

Dated: 19<sup>th</sup> February, 2018.

**ORDER**

Sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Power Rules, 1978, for the implementation of the Project proposal entitled "**Integrative approach for understanding the role of noncoding mutations in the evolution of biological systems**" by Dr. Pankaj Barah, Assistant Professor, Department of Molecular Biology and Biotechnology, Tezpur Central University, Assam- 784028 at a total cost of Rs. 88.00 lakhs (Rupees Eighty eight Lakhs only) as a part of her Ramalingaswami Fellowship 2015-16 w.e.f. 1<sup>st</sup> February, 2018 on the terms and conditions detailed as per under:-

**2.0 The Project**

**2.1 Project Title:** "**Integrative approach for understanding the role of noncoding mutations in the evolution of biological systems**".

**2.2 Investigator**

**Name of the Awardee:**

Dr. Pankaj Barah  
 Assistant Professor  
 Department of Molecular Biology and Biotechnology,  
 Tezpur Central University, Assam- 784028

**Objectives**

An integrative computational method will be developed, and benchmarked for the identification of significant noncoding mutations in plant and human genomes, in population scale.  
 The developed method will be used to delineate the role of *cis*-regulatory mutations on local climate adaptation and genome evolution in two plant species namely - *Arabidopsis thaliana* and *Oryza sativa*.  
 Signatures of *Intra*-specific and *inter*-specific variations in *cis*-regulatory sequences will be identified using data from 1000 ecotypes of *Arabidopsis thaliana*, and 3000 cultivars of *Oryza sativa*.  
 Multi-omics data (DNA, RNA and methylome profiles) from human glioblastoma samples will be used to identify significant noncoding mutations associated with glioma progression and therapy resistance.  
 Project will contribute towards human resource development, through teaching and research guidance.

**3 Time Schedule**

The duration of the fellowship is 5 years w.e.f. 1<sup>st</sup> February, 2018.

**4 Fellowship Amount**

		(Rs. in Lakhs)					
		1 <sup>st</sup> Yr.	2 <sup>nd</sup> Yr.	3 <sup>rd</sup> Yr.	4 <sup>th</sup> Yr.	5 <sup>th</sup> Yr.	Total
Fellowship (Rs. 85,000 p.m. consolidated)		10.20	10.20	10.20	10.20	10.20	51.00
Contingency grant (Rs. 7,500 p.m. consolidated)		10.00	7.50	5.00	5.00	5.00	32.50
		0.90	0.90	0.90	0.90	0.90	4.50
		21.10	18.60	16.10	16.10	16.10	88.00

V. I. ✓

The contingency research grant may be utilized for the purchase of consumables, minor international and domestic travel, engaging manpower and other contingent expenditure to be incurred in connection with the implementation of the project.

a) If the host institute is providing free accommodation, no House Rent Allowance (HRA) is possible and same needs to be refunded to the department.

b) If the host institute is deducting HRA and license fee for the accommodation provided, then the same may be recovered from the HRA being paid to the fellow. However, reimbursement shall be limited to the HRA being paid by DBI. Excess recovery, if any, has to be made by the host institute directly from the fellow.

As regards the medical benefits, host institute may consider giving medical benefits from their own resources at level of Scientist 'D' as applicable to their regular faculty.

In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest at the rate of ten per cent per annum thereon shall be recovered.

**Budget Head**

The expenditure involved is debitable to

Demand No. 85	:	<b>Department of Biotechnology</b>
3425	:	Other Scientific Research (2017-2018)
3425.60	:	Other (Sub Major Head)
3425.60.200	:	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	:	Biotechnology Research and Development, Human Resource Development, Research Resources and Facilities
3425.60.200.29.17	:	Assistance for Research and Development
3425.60.200.29.17.31	:	Grants-in-aid General

The Accounts of the grantee institution shall be open to inspection by the sanctioning authority and audit.

The Registrar, Tezpur Central University, Napaam Sonipur, Assam-784028 is requested to furnish to this Department 'Utilization Certificate' and an audited 'Statement of Expenditure' at the end of the year.

This issues under the powers delegated to this Department and with the concurrence of IED vide their SAN No. 102 IED SAN 4275/2017-18 dated:13-02-2018.

This sanction order has been noted at Serial No. 147 in the Register of Grants.

*(Signature)*  
(Meenakshi Munshi)  
Adviser/Scientist 'G'

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

**Copy forwarded for information/ necessary action to:**

1. The Principal Director of Audit (Scientific Departments), AGCR Building, IP Estate, New Delhi - 110 002.
2. Cash Section, DBI (2 copies)
3. IED, DBI
4. Dr. Pankaj Barah, Assistant Professor, Department of Molecular Biology and Biotechnology, Tezpur Central University, Assam- 784028
5. The Registrar, Tezpur Central University, Napaam Sonipur, Assam- 784028

(Signature)  
Adviser/Scientist 'G'

**ORDER**

Approval of the Chairman AISTDF (Secretary DST) is hereby accorded for implementation/ execution of the ASEAN-India Collaborative research project entitled "Studies on epidemiology, hospital management of snakebite, and standardization of laboratory tests for assessment of efficacy and quality control of snakebite, and standardization of laboratory tests for assessment of efficacy and quality control of snakebite, and standardization of laboratory tests for assessment of efficacy and quality control of snakebite" for a period of 3 years wef date of issue of the sanction order.

The composition of the project team(s) is as below:

<u>Indian side</u>	<u>ASEAN side</u>
Dr. Ashis Kumar Mukherjee, Professor & Dean, Department of Molecular Biology and Biotechnology, Tezpu University, Tezpur -7 84028 (Assam)	1. Dr. CHOO HOCK TAN, Senior Medical Lecturer, Department of Pharmacology, University of Malaya, 50603 Kuala Lumpur, MALAYSIA.
SRF- to be appointed	2. DR. LE VAN DONG, Associate Professor, Department of Toxicology and Radiology, Vietnam Military Medical University, Hadong District, Hanoi city, Vietnam-100000.

The change/ replacement of project participants is not allowed. The participating scientists should be working on the project and affiliated with the Institute/University holding the indicated position at the time of start of the project as well as at the time of exchange visits under the project. The project grant can be utilized only for the approved items /visits of participating scientists, as mentioned above.

The break-up of estimated expenditure is as indicated below-

Mobility: (Indian side: From India to ASEAN MS-1-Malaysia)

Year	Name of the visitor and duration of each visit	International air-fare, visa fee, overseas insurance etc (on actual)	Accommodation, per-diem etc. (all inclusive)	Total
	Dr. Ashis Kumar Mukherjee (14 days)	50,000/-	84,000/- (6000x14)	1,34,000/-
	SRF (to be appointed) (30 days)	50,000/-	1,50,000/- (5000x30)	2,00,000/-
	Dr. Ashis Kumar Mukherjee (14 days)	50,000/-	84,000/- (6000x14)	1,34,000/-
	SRF (to be appointed) (30 days)	50,000/-	1,50,000/- (5000x30)	2,00,000/-
	Dr. Ashis Kumar Mukherjee (14 days)	50,000/-	84,000/- (6000x14)	1,34,000/-
	SRF (to be appointed) (30 days)	50,000/-	1,50,000/- (5000x30)	2,00,000/-
	<b>Total</b>			<b>10,02,000/-</b>

Cont next page/-

Mobility: (Indian side: From India to ASEAN MS-2-Vietnam) -2-

Name of the visitor and duration of each visit	International air-fare, visa fee, overseas insurance etc (on actual)	Accommodation, per-diem etc. (all inclusive)	Total
Dr. Ashis Kumar Mukherjee (14 days)	50,000/-	84,000/- (6000x14)	1,34,000/-
SRF (to be appointed) (30 days)	50,000/-	1,50,000/- (5000x30)	2,00,000/-
Dr. Ashis Kumar Mukherjee (14 days)	50,000/-	84,000/- (6000x14)	1,34,000/-
SRF (to be appointed)(30 days)	50,000/-	1,50,000/- (5000x30)	2,00,000/-
Dr. Ashis Kumar Mukherjee (14 days)	50,000/-	84,000/- (6000x14)	1,34,000/-
SRF (to be appointed)(30 days)	50,000/-	1,50,000/- (5000x30)	2,00,000/-
<b>Total</b>			<b>10,02,200/-</b>

Research expenses (Indian side)

Accessories/ appliances etc.	Chemicals & Consumables etc	Project scientific manpower	Total
NIL (Capital equipments not permitted under the scheme)	1,00,000/-	One SRF - 3,69,600/-	4,69,600/-
NA	2,00,000/-	One SRF - 3,69,600/-	5,69,600/-
NA	1,00,000/-	One SRF - 3,69,600/-	4,69,600/-
<b>Total</b>			<b>15,08,800/-</b>

Mobility expenses (visits from ASEAN MS-1 to India)

Name of the visitor and duration of each visit	International air-fare and overseas insurance etc (on actual)	Accommodation, per-diem etc (all inclusive)	Total
Dr. Choo Hock Tan, Malaysia (21 days)	50,000/-	1,26,000/- (6000x21)	1,76,000/-
Dr. Choo Hock Tan, Malaysia (21 days)	50,000/-	1,26,000/- (6000x21)	1,76,000/-
Dr. Choo Hock Tan, Malaysia (21 days)	50,000/-	1,26,000/- (6000x21)	1,76,000/-
<b>Total</b>			<b>5,28,000/-</b>

Mobility expenses (visits from ASEAN MS-2 to India)

No. and duration of each visit to India	International air-fare and overseas insurance etc (on actual)	Accommodation, per-diem etc. (all inclusive)	Total
Dr. Le Van Dong (21 days)	50,000/-	1,26,000/- (6000x21)	1,76,000/-
Dr. Le Van Dong (21 days)	50,000/-	1,26,000/- (6000x21)	1,76,000/-
Dr. Le Van Dong (21 days)	50,000/-	1,26,000/- (6000x21)	1,76,000/-
<b>Total</b>			<b>5,28,000/-</b>

Cont next page/-

Total (Travel costs ie Tables 4.1+4.2+4.4+4.5)	30,60,000/-
Total (non-travel expenses ie Table 4.3)	15,08,800/-
Over-head expenses (5% of the non-travel expenses)	75,000/-
<b>Grand Total</b>	<b>46,43,800/-</b>

Sanction of the Chairman-AISTDF (Secretary DST) is also accorded for the release of Rs. 15,47,000/- (Rupees Fifteen Lakh Forty Seven Thousand Only) as an initial installment for incurring expenditure during the first year of the project and payment of this amount may be made electronically to the Indian institute as per the bank account details given below-

Account name	Tezpur University R&D
Bank name & Branch	SBI TU Branch, Napam
Account Number	30448821505
IFSC Code	SBIN000195

6. The release of this grant is subject to:-
- i) No re-appropriation of funds from one sub-head to another is allowed.
  - ii) Obtaining prior approval of the AISTDF Secretariat for all project related visits to be undertaken by the scientist(s) from the either side in connection with the implementation with of this project. separately in prescribed format (attached). at-least 4 weeks in advance before incurring any expenditure for this purpose.
  - iii) Submission of Utilization Certificate (UC) and a Statement of Expenditure (SE) along with up to date progress report at the end of each financial year for the grants already received under the project and seeking specific approval of this Department for carry forward of unspent funds to the next financial year for utilization under the project
  - iv) The international / domestic air-travel pertaining to visits under this project is to be performed only by lowest economy and shortest route.
  - v) The grantee Institute/University shall maintain separate audited accounts for the project and the amount of grant will be kept in a bank account earning interest. The Interest earned should be reported to AISTDF while submitting the SE/UC. The Interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of grant.

7. The accounts of the grantee institution shall be open to inspection by the sanctioning authority /audit whenever the institution is called upon to do so, as laid down under Rule 211 of General Financial Rules.  
 8. The expenditure involved is to be debited "AISTDF-R&D-GIA-Recurring" sub-head of the ASEAN-India Science & Technology Development Fund (AISTDF) during the current financial year 2017-18.  
 9. This issues under the delegated powers to the Ministries/Departments and with the approval of Chairman, AISTDF (Secretary, DST) and financial concurrence of Director (Finance) AISTDF vide San no. 100/F8891/2017-2018 dated 31-01-2018.

  
 (R K SHARMA)  
 Scientist-E & Secretary AISTDF

To,  
 The Accounts Officer,  
 AISTDF Secretariat- SERB,  
 New Delhi-110067

Copy to -  
 1) Dr. Ashis Kumar Mukherjee, Professor & Dean, Department of Molecular Biology and Biotechnology, Tezpu University, Tezpur -7 84028 (Assam)  
 2) The Registrar, Tezpu University, Tezpur -7 84028 (Assam)  
 3) The Director (Finance)- AISTDF, SERB, New Delhi  
 4) Sanction folder.

  
 (R K SHARMA)  
 Scientist-E & Secretary AISTDF

058

715

Receipt No. 3141/2018

(2)

অসম বিজ্ঞান প্রযুক্তিবিদ্যা আৰু পৰিবেশ পৰিষদ  
 ASSAM SCIENCE TECHNOLOGY AND ENVIRONMENT COUNCIL  
 (বিজ্ঞান আৰু প্ৰযুক্তি বিভাগ, অসম চৰকাৰ)

GYAN BHAWAN  
 S. ROAD  
 GUWAHATI - 781005  
 Assam, India



Telephone : 0361-2464621  
 : 0361-2450646  
 Fax : 0361-2464617  
 E-mail : astec@rediffmail.com  
 Website : www.astec.gov.in

TEC/S&T/1614/5/2/2017-18/853-860

Dated 19.02.18

To: Dr. A. K. Misra,  
 Director, ASTE Council

① Dem. R.R.  
 ② F.O.

for receipt

19/2/18

From: Prof. S.C. Deka,  
 Dept. of Food Engineering & Technology, Tezpur University

Subject: Financial grants for the project titled, "Valorization of Culinary Banana Flower: waste to value addition using green technologies".

In inviting a reference to the subject as cited above, the Director, ASTE Council is pleased to sanction an amount of **Rs. 2, 00, 000/- (Rupees Two Lakhs Only)** for the aforementioned project proposal submitted by you under the following heads of expenditure:

Sl. No	Budget head	Amount (in Rupees)		
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	Total
	Manpower	-	-	-
	Consumables	80,000	80,000	1,60,000/-
	Raw materials	10,000	10,000	20,000/-
	Travel	10,000	10,000	20,000/-
	<b>Total</b>			<b>2,00,000/-</b>

Total: Rs. 2, 00, 000/- (Rupees Two Lakhs Only)

SO - H.D.  
 for  
 02/02/18

are requested to note the following points:

- Out of the total sanctioned amount, a sum of Rs 1,60,000/- (Rupees One Lakh Sixty Thousand) only will be released as first installment. The balance amount of Rs 40,000/- (Rupees Forty Thousand) only will be released after receipt of final report of the project along with the utilization certificate and expenditure statement in our prescribed format duly signed by Head of the Institution/organization and the PI and countersigned by Chartered Accountant against the total sanctioned amount. At the end of the project, the P.I has to submit 3 (three) hardbound project reports (observations, photographs, findings, evaluations, etc).
- Half yearly progress reports are to be submitted by the P.I to the Council regularly.
- All relevant books of accounts including released amount from this Council are to be maintained properly. The accounts shall be open for inspection by the sanctioning authority/audit whenever the institute/ individual is called upon to do.
- Enclosed herewith a copy of "BOND FOR ACCEPTING GRANTS". It should be signed by Head of the Institution/ organization and PI and duly submitted to the Council.
- The above mentioned project is to be completed within two years.

It is to be noted that under no circumstances you can avail any grants/ sanction from any other department against the aforesaid project.


You are requested to submit your acceptance of the grant along with "BOND FOR ACCEPTING GRANTS" and other terms and conditions mentioned above immediately so that the fund can be released accordingly.

Yours faithfully

(Dr. A. K. Misra)  
Director, ASTE Council

Copy to:

1. The Registrar, Tezpur University - for favour of information and necessary action.
2. Concerned file of S&T Division, ASTE Council
3. Dy. FAO, ASTE Council

  
19.02.18  
(Dr. A. K. Misra)  
Director, ASTE Council

Serial No... 542

Date of Receipt... 24/2/2018

File No... Deam R & D

Received by



जैव विज्ञान अनुसंधान बोर्ड  
रक्षा अनुसंधान एवं विकास संगठन मुख्यालय  
तृतीय तल, डी आर डी ओ भवन  
कमरा नं 399/04 नई दिल्ली 110011  
टेली फॉक्स - 011-23012652  
टेलीफोन 011-23007894  
Email : lsrb@hqr.drdo.in

Life Sciences Research Board  
Defence Res. & Dev. Organisation HQ  
3rd Floor, DRDO Bhawan  
Room No. 399/04, New Delhi - 110011  
Tele Fax : 011-23012652  
Tele : 011-23007894  
Email : lsrb@hqr.drdo.in

No. O/o DG (TM)/81/48222/LSRB-312/FSH-ABB /2017

Date: 26.02.2018

To,  
The Dean  
Research and Development  
Tezpur University  
Napaam Assam -784028

Sub : GRANTS IN AID SCHEME OF LIFE SCIENCES RESEARCH BOARD

In exercise of powers vested in the Life Sciences Research Board vide Govt. of India, Ministry of Defence letters No. DBAS/48222/RD-81/784/D(R&D) dt 06 Mar 1998 and subsequent amendment made vide letter No. CC R&D (TM)/01/01/Research Boards/247/D (R&D) dated 03<sup>rd</sup> Feb 2014 and DRDO/ DBFA/FA/83226/M/01/2031/D(R&D) dated 30 Jul 2010, para 3.1, as amended from time to time, I hereby convey the sanction of the Board for the following project at the cost of Rs. 22,73,557/- (Rupees Twenty two lakh seventy three thousand five hundred and fifty seven only).

Project Title and No:

Title : "Value Addition of Banana Flower using Green Technologies to develop combat food"

No : LSRB-312/FSH-ABB /2017

PI : Prof Sankar Chandra Deka  
Principal Investigator & Professor and Former Head  
Dept of Food Engineering & Technology  
Tezpur University, Napaam-784028  
Sonitpur, Assam  
Ph: 03712-267007/267004, Fax No: 03712-267005/267006  
Email: [adm@tezu.ernet.in](mailto:adm@tezu.ernet.in) [sankar@tezu.ernet.in](mailto:sankar@tezu.ernet.in)

Co-PI: Dr Amit Baran Das  
Assistant Professor  
Dept of Engineering & Technology  
Tezpur University, Assam  
Napaam-784028  
Ph: 03712-267004  
Mob: 084739-83419  
Email: [amittu@tezu.ernet.in](mailto:amittu@tezu.ernet.in)

Cepts:  
Prof. S Deka, FET  
Devi  
09/03/2018

PDC : 02 Years

Cost : Rs. 22,73,557/- (Rupees Twenty two lakh seventy three thousand five hundred and fifty seven only).

LSRB.....

..... Securing health and promoting performance of our Services

No. O/o DG (TM)/81/48222/LSRB-312/FSH-ABB /2017

**COST BREAK-UP**

Grants	1 <sup>st</sup> year IC	2 <sup>nd</sup> year IC	Line total
(a). Research Staff (JRF-01)	3,24,000	3,24,000	6,48,000
<b>Non-expandable: Equipment and stores:</b>			
Double beam UV-Vis Spectrophotometer (1)	7,00,000	-	7,00,000
<b>Expandable: Store, consumables chemicals etc.</b>			
Glassware and chemicals	3,00,000	2,50,000	5,50,000
(c). TA/DA (including TA/DA of specialist/ monitors (s) for the project)	55,000	55,000	1,10,000
(d). Contingencies	40,000	18,870	58,870
(e). Overhead charges	1,41,900	64,787	2,06,687
<b>Total</b>	<b>15,60,900</b>	<b>7,12,657</b>	<b>22,73,557</b>

**Grand Total: Rs. 22,73,557/- (Rupees Twenty two lakh seventy three thousand five hundred and fifty seven only).**

- The research staff is only for the duration of the project. DRDO holds no responsibility for further employment/absorption of the staff. The staff will be recruited as per rules & procedure of the grantee institution.
- Statements of account duly certified by the executive financial authority of the institution are also required to be submitted along with the annual reports. **Excess expenditure, beyond the yearly sanction, unless authorised by LSRB in writing, shall be the responsibility of the grantee institution.**
- The annual statement of Expenditure & utilization certificate should be in accordance with the **General Financial Rule-19 (GFR-19)**.
- The duration of the project is **02 Years**. The date of issue of this letter would be reckoned as the commencement date of the project.
- PI to ensure that the laboratory guidelines for genetic engineering, animal experimentation and medical ethics issued by DBT, Animal Welfare Division (CPCSEA) and Ministry of Health & Family Welfare, Govt. of India, respectively and any other statutory issues related to the experiments are adhered to.
- A separate saving bank account for the grant would be maintained by **The Dean, Research & Development, Tezpur University, Napaam Assam-784028** and interest earned thereon would accrue to LSRB. **In case of interest not accrue under the project the reason for the same may be incorporated in utilization certificate for audit purpose.** Unspent balance, on completion of the project should be sent by the grantee institution through a Draft in favour of CDA (R&D), New Delhi to LSRB Secretariat for depositing the amount back in Govt. accounts.
- A list of inventory of equipment purchased out of LSRB grant shall be intimated along with annual report/closure report, giving item-wise cost, date of purchase and source of procurement to LSRB Sectt. The equipment should be stamped LSRB Project number and each item should be serially numbered. The photocopy of the stock register maintained by the institute/university for the non-expendable and expendable stores may be submitted duly audited with **certificate** from the audit authorities that **"the necessary check has been made and the inventory is found to be in order"**. For further details, kindly refer the website of DRDO/LSRB i.e. <http://www.drdo.gov.in/drdo/English/indexCorpDir.jsp?pg=home.jsp&dir=LSRB>
- On completion of the project, the grantee institution would forward the consolidated audited list of equipments and expendable items, if any, with request for retention of equipment for another project or in house R&D, with due recommendations of their executive authority.

LSRB.....

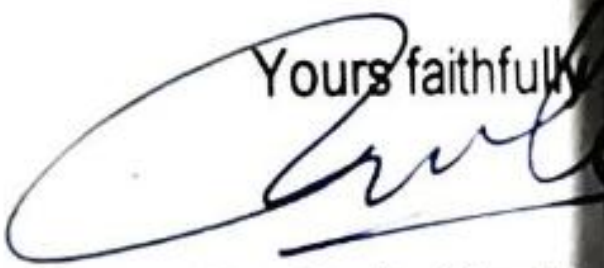
..... Securing health and promoting performance of our Service

form is enclosed for filling up the required information and forwarding alongwith a blank cancelled cheque bearing account number.

**No. O/o DG (TM)/81/48222/LSRB-312/FSH-ABB /2017**

14. In case of premature termination/closure of the project, the grantee institute is liable to refund the entire budget released to them alongwith interest.
15. **Closure report** – On completion/closure/termination of the project, three copies of the consolidated closure report as per annexure III (refer website) will be submitted within three months with all necessary certificates and financial information. It should give sufficient technical details of project, achievements in relation to the originally stated objectives of the project and utilization of results.
16. Ensure about providing of reservation for Scheduled Castes and Scheduled Tribes or OBC in posts and services.
17. The expenditure will be debited to Major Head - 2080 (Defence Services) R&D Minor Head-004 Research & Development, Code Head 852/05 of the Defence Services Estimates.
18. Contingent bill (in triplicate) for the release of grant for first year i.e. **Rs. 15,60,900/- (Rupees Fifteen lakh sixty thousand and nine hundred only)** duly completed and signed on revenue stamp with official seal by the competent financial authority of the institute alongwith ECS mandate form may please be forwarded to us immediately for onward submission to PCDA for payment.
19. This issues with the concurrence of IFA (R&D), New Delhi vide their UO No 1940/1532 dt 22.02.2018.
20. The sanction code is DG TM/TM/LSRB/GIA/17-18/0397 dt 26.02.2018.
21. Kindly acknowledge receipt.

Yours faithfully

  
(Dr. Rajio Singh)  
Member Secretary,  
Life Science Research Board  
O/o DG (TM)

**Ink Signed Copy :**

- (i) PCDA (R&D), DRDO Cell, West Block-V, R K Puram, New Delhi-110066
- (ii) IFA (R&D), DRDO Bhawan, New Delhi-110011
- (iii) DGADS, 'L-1' Block, Church Road, New Delhi-110011
- (iv) OS & DG (TM), DRDO Bhawan, New Delhi-110011
- (v) DS & DG (LS), DRDO Bhawan, New Delhi-110011
- (vi) **Prof Sankar Chandra Deka** : For information Please  
Principal Investigator & Professor and Former Head  
Dept of Food Engineering & Technology  
Tezpur University, Napaam-784028

**Copy to:**

- (vii) Chairman Spl Panel FSH-ABB and Director, DFRL, Mysore
- (viii) Member Secretary, ARMREB, DRDO Bhawan, New Delhi-110011
- (ix) Member Secretary, AR&DB, DRDO Bhawan, New Delhi-110011
- (x) Member Secretary, NRB, DRDO Bhawan, New Delhi-110011
- (xi) DER&IPR, DRDO Bhawan, New Delhi-110011

LSRB.....

..... Securing health and promoting performance of our Services



**"NATIONAL MISSION ON HIMALAYAN STUDIES"**  
**G.B. Pant National Institute of Himalayan Environment and Sustainable Development**  
**(GBPNIHESD)**  
**Kosi-Katarmal, Almora - 263643, Uttarakhand, India**

Ref. No.: GBPNI/NMHS-2017-18/SG-05/610

Date: 26-02-2018

To,

**Dr. Awadhesh Kumar**  
**North Eastern Regional Institute of Science & Technology (NEIRST)**  
**Nirjuli, Itanagar, Arunachal Pradesh**

**Subject: Approval of the Small Grant (SG) for the project entitled "Exploring Wildlife and Nature Based Tourism as a Potential Livelihood Option for Local People inhabiting in and around the Protected Areas in Eastern Himalayas, Arunachal Pradesh: A Sustainable approach for biodiversity conservation"**

Sir,

I am directed to convey the approval of the Competent Authority for the above-mentioned project at a total cost of **Rs. 45,00,295/- (Rupees Forty Five Lakh Two Hundred Ninety Five only)** for a period of three years, as per the break-up given below:-

Head	1 <sup>st</sup> year (in Rs.)	2 <sup>nd</sup> year (in Rs.)	3 <sup>rd</sup> year (in Rs.)	Total
<b>A. Recurring</b>				
<b>(i) Salary:</b> 01 SRF @ Rs.28,000/-+ HRA @ 8% per month for Three years, 01 Field Assistant @ Rs.10,000/- per month fix for three years.	482880.00	482880.00	482880.00	1448640.00
<b>(ii) Travel:</b>	160000.00	200000.00	150000.00	510000.00
<b>(iii) Consumables:</b>	100000.00	100000.00	100000.00	350000.00
<b>(iv) Contingency:</b> Outreach material and awareness camps, papers, printer cartridge, postal charges, etc.	70000.00	100000.00	80000.00	250000.00
<b>(v) Activities &amp; other project cost:</b> (workshop and training materials including travel for experts and workshop expenses.	200000.00	400000.00	220000.00	820000.00
<b>(vi) Institutional charges/ Overhead:</b>	Nil	200000.00	300000.00	500000.00
<b>B. Non Recurring</b>				
<b>(i) Equipments:</b> Desktop computer (1 No.), Laptop (1 No.), Printer (1 No.), Project with stand (1 No.), DSLR digital camera (1 No.), SLR Zoom lens (200-500 mm), Binoculars (4 Nos.), Night vision binocular (1 Nos.), GPS (2 Nos.) Portal weatherstation-1 nos.	621655.00	Nil	Nil	621655.00
<b>Grand Total A+B</b>	1684535.00	1482880.00	1332880.00	4500295.00
<b>Grantee Contribution should be 10% of the project cost.</b>				

2. The approval of the project is subject to incorporation of following points:

No M-12013/04/2015- SAGY (AI)  
Government of India  
Ministry of Rural Development  
Department of Rural Development

Krishi Bhavan, New Delhi  
Dated 1<sup>st</sup> March, 2018

To  
Shri Subhrangshu Sekhar Sarkar  
Department of Business Administration  
Tezpur University  
Tezpur, Assam-784028

**Subject: Post-project Evaluation Study of Sansad Adarsh Gram Yojana (SAGY)- reg-**

Sir/ Madam,

The undersigned is directed to convey the approval of Competent Authority to undertake the research project on **“Post-project Evaluation Study of Sansad Adarsh Gram Yojana (SAGY)-” for 2 states namely Odisha and West Bengal of zone-7 through** Tezpur University, Tezpur, Assam-784028. The total cost of the study will be **Rs.18,63,400/- (EIGHTEEN LAKHS SIXTY THREE THOUSAND FOUR HUNDRED ONLY)** and to be completed within a period of 6 months. Further this is to inform you that Performance guarantee for an amount of 5% of the total project cost i.e. Rs. 93,170/- may be deducted from the first installment. For further details ToR and contract may be referred to.

It is requested to submit the following at the earliest by Speed-post/courier

1. Acceptance letter
2. Signed copy of ToR
3. Signed copy of Contract/Agreement on Non judicial Stamp paper of Rs. 100/-
4. Pre-receipt, affixing revenue stamp for 1<sup>st</sup> installment and invoice (30% of total project cost)
5. Banking details of the Institute(A/c No, Bank Name and Branch, IFSC Code etc) on the letter head of the Institute
6. Attested copy of PAN and cancelled cheque of the above said bank.
7. The University will have to submit an undertaking specifying that the funds being released by the Ministry shall be properly utilized by the University to fulfill the said objectives of the study in the enclosed format. In case of any diversion/misutilisation of funds the University will be sole responsible and recovery will be made from the university with interest

In addition to above, it is further requested to register your institute in the PFMS (Public Finance management System), if not registered already and forward a copy of registration to the Ministry.

  
(Rekha Chauhan)

Deputy Secretary, Monitoring

Encl :ToR , Contract and proforma of undertaking

No M-12013/04/2015- SAGY (AI)  
Government of India  
Ministry of Rural Development  
Department of Rural Development

Krishi Bhavan, New Delhi  
Dated 1<sup>st</sup> March, 2018

To  
Shri Subhrangshu Sekhar Sarkar  
Department of Business Administration  
Tezpur University  
Tezpur, Assam-784028

**Subject: Post-project Evaluation Study of Sansad Adarsh Gram Yojana (SAGY)- reg-**

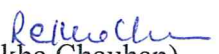
Sir/ Madam,

The undersigned is directed to convey the approval of Competent Authority to undertake the research project on **“Post-project Evaluation Study of Sansad Adarsh Gram Yojana (SAGY)-” for zone-8 through** Tezpur University, Tezpur, Assam-784028. The total cost of the study will be **Rs.25,36,600/- (TWENTY FIVE LAKHS THIRTY SIX THOUSAND SIX HUNDRED ONLY)** and to be completed within a period of 6 months. Further this is to inform you that Performance guarantee for an amount of 5% of the total project cost i.e. Rs. 1,26,830/- may be deducted from the first installment. For further details ToR and contract may be referred to.

It is requested to submit the following at the earliest by Speed-post/courier

1. Acceptance letter
2. Signed copy of ToR
3. Signed copy of Contract/Agreement on Non judicial Stamp paper of Rs. 100/-
4. Pre-receipt, affixing revenue stamp for 1<sup>st</sup> installment and invoice (30% of total project cost)
5. Banking details of the Institute(A/c No, Bank Name and Branch, IFSC Code etc) on the letter head of the Institute
6. Attested copy of PAN and cancelled cheque of the above said bank.
7. The University will have to submit an undertaking specifying that the funds being released by the Ministry shall be properly utilized by the University to fulfill the said objectives of the study in the enclosed format. In case of any diversion/misutilisation of funds the University will be sole responsible and recovery will be made from the university with interest

In addition to above, it is further requested to register your institute in the PFMS (Public Finance management System), if not registered already and forward a copy of registration to the Ministry.

  
(Rekha Chauhan)  
Deputy Secretary, Monitoring

Encl :ToR , Contract and proforma of undertaking

FILE NO. EMR/2016/006146  
**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: 15-Mar-2018

**ORDER**

Subject: Financial Sanction of the research project titled "Development of mulberry and non-mulberry silk of Assam as potential biomaterials for healthcare and bioengineering applications by using atmospheric dielectric barrier discharge (A-DBD) plasma" under the guidance of Dr. Arup Jyoti Choudhury, Physics, Tezpur University, Distt. sonitpur p.b.no.72 napaam, tezpur, Tezpur, Assam-784011 and by Dr. Gazi Ameen Ahmed, Associate Professor, Department Of Physics, Tezpur University and by Dr. Manabendra Mandal, Associate Professor, Department Of Molecular Biology And Biotechnology, Tezpur University - 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. 7018165/- (Rs. Seventy Lakh Eighteen Thousand One Hundred and Sixty Five Only) with break-up of Rs. 4450550/- under Capital (Non-recurring) head and Rs.2567615/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 7018165/- has been approved are given below: The following budget may be considered for Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> Electro-spinning unit -> Current probe -> Vacuum oven -> Laboratory fume hood -> Digital oscilloscope -> Freeze Dryer (lyophilizer) -> High voltage probe -> Desktop computer, printer, scanner -> Ultracentrifuge -> Digital mass flow meter with controller -> Probe sonicator	4450550
A'	Total (Non-Recurring)	4450550
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - I : (Manpower) Recurring - II : ( Consumables, Travel, Contingencies)	1029600 900000
2	Recurring - III : (Overhead Charges)	638015
B'	Total (Recurring)	2567615
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>7018165</b>

2. Sanction of the SERB is also accorded to the payment of  
 • Rs. 4450550/- (Rupees Forty Four Lakh Fifty Thousand Five Hundred and Fifty only) under 'Grants for creation of capital assets' and Rs. 300000/- (Rupees Three Lakh only) under 'Grants-in-aid General' to Registrar, Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur 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 Core Research Grant. (PAC Physical Sciences)

4. The Sanction has been issued to Tezpur University, Distt. Sonitpur P.B.No.72 Napaam, Tezpur with the approval of the competent authority under delegated powers on 13 March, 2018 and vide Diary No. SERB/F/10479/2017-2018 dated 14 March, 2018

*[Signature]*  
27/3/2018

The Electronic Project Proposal Management System, For SERB

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-II, 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. 4750550/- (Rupees Forty Seven Lakh Fifty Thousand Five Hundred and Fifty 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	Registrar, Tezpur University
Account Number	30448821505
Bank Name & Branch	State Bank of India State Bank of India Main Branch, Lake road, Tezpur-784001, Sonitpur, Assam
IFSC/RTGS Code	SBIN0000195
Email id of A/C Holder	biren@tezu.ernet.in
Email id of PI	arupjchoudhury@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/2016/006146 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

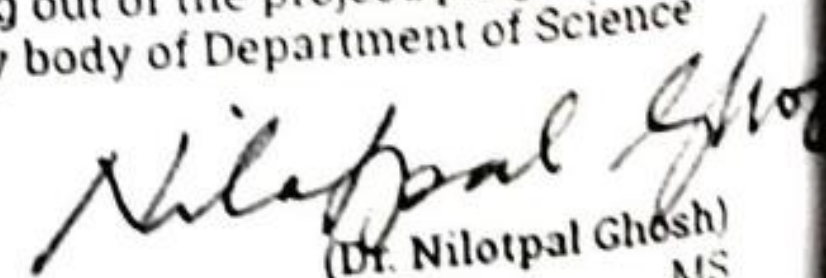
14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any beyond the duration of the project

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. Nilotpal Ghosh)  
MS  
nilotpal@serb.gov.in

To,  
Under Secretary  
SERB, New Delhi

7

**DSIR/TDUPW/116/2017**  
 Government of India  
 Ministry of Science & Technology  
 Department of Scientific & Industrial Research  
 \*\*\*\*

Technology Bhavan, New Delhi - 110 016  
 Dated: 19<sup>th</sup> March, 2018

To  
 The Pay & Accounts Officer,  
 Department of Scientific & Industrial Research (DSIR)  
 Technology Bhavan, New Delhi - 110 016

Sub: Financial support to **Department of Energy, Tezpur University, Assam** for proposal titled 'Women empowerment and skill development through technological intervention in cooking stove' under TDUPW programme of DSIR - Release of 1<sup>st</sup> installment

Sir,  
 Reference is made to the proposal of **Department of Energy, Tezpur University, Assam** for proposal titled 'Women empowerment and skill development through technological intervention in cooking stove' under TDUPW programme of DSIR with the following financial outlay for phase 1 of the project up to 31.03.2020:

S.No.	Head	Phase 1	(Amount in Rs.)
1.	Manpower	1,92,000	
2.	Consumables	2,00,000	
3.	Training expenditure	80,000	
4.	Contingency	1,10,000	
5.	Monitoring and review meetings	50,000	
6.	Institutional overheads	30,000	
7.	Others (equipment )	3,08,160	
	Total	9,70,160	

2. Sanction of the President of India is hereby conveyed for a financial support of Rs. 9,70,160/- (Rupees Nine Lakh Seventy Thousand One Hundred Sixty Only) as Grant in Aid General to Department of Energy, Tezpur University, Assam with break-up of proposed support as stated above. Sanction of the President of India is also conveyed for release of 1<sup>st</sup> installment of Rs. 5.0 Lakh (Rupees Five Lakh Only) as Grant in Aid General to Department of Energy, Tezpur University, Assam to meet expenses during the phase 1 of the project.

3. The amount of **Rs. 5.0 Lakh (Rupees Five Lakh Only)** will be drawn by the Drawing and Disbursing Officer, DSIR and will be disbursed through RTGS/NEFT to the following as per Bank Account details given below:

Name of the beneficiary with full address	Tezpur University R&D Account Registrar, Tezpur University, Napaam, Tezpur, Assam-784028
Name and address of the Bank	State Bank of India Main Branch, Tezpur, Lake Road, Tezpur, Sonitpur, Assam-784001
Bank Account No.	30448821505
IFSC Code	SBIN0000195
MICR Code	784002002
Amount	<b>Rs. 5.0 Lakh (Rupees Five Lakh Only)</b>

डा. सारिका मधुसूदन / Dr. SARIKAMADHAN  
 वैज्ञानिक 'डी' / Scientist 'D'  
 भारत सरकार / Government of India  
 वैज्ञानिक और औद्योगिक अनुसंधान विभाग  
 Department of Scientific & Industrial Research  
 टेक्नोलॉजी भवन, नया दिल्ली मार्ग, नई दिल्ली-110016  
 Technology Bhavan, New Mehrauli Road, New Delhi, India

6

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

Date:  
To

4. The release of the funds by DSIR shall be in two installments, viz. 1<sup>st</sup> installment of Rs. 50 Lakh as advance, and 2<sup>nd</sup> installment of Rs. 4,70,160/- subject to satisfactory progress of the project and submitting the audited Statement of Expenditure (SE) and Utilization Certificate (UC), and submission of project completion report for phase 1 of the project and based upon recommendations of the Project Review Committee (to be constituted by DSIR) and Tezpur University achieving the targeted milestones/deliverables as stated in terms and conditions. DSIR is committed for any further release in the project only up to 31.03 2020

5. Department of Energy, Tezpur University, Assam has signed the 'Terms & Conditions' which are annexed to this Sanction Letter.

6. As per Rule 236 of GFR, the accounts of Department of Energy, Tezpur University, Assam shall be open to inspection by the sanctioning authority / audit whenever Department of Energy, Tezpur University, Assam is called upon to do so.

7. As per Rule 238 (1) of GFR, relating to Utilization Certificate (UCs), Department of Energy, Tezpur University, Assam will be required to submit UC for the previous installment of grant released under the project.

8. The expenditure involved is debited to Demand No. 86: Department of Scientific & Industrial Research for the year 2018-19; 1826 - Industrial Research and Development; Major Head 3425 - Other Scientific Research; 60- Others: (Sub-Major Head); 200- Assistance to Other Scientific Bodies (Minor Head); 62- Access to Knowledge for Technology Development and Dissemination (A2K+); 62.01 Access to Knowledge for Technology Development and Dissemination (A2K+); 62.01.31 - Grants-in-Aid (General).

9. This sanction issues under the powers delegated to this Department and with the concurrence of JS&FA, DSIR vide Diary No. 25/FA/DSIR dated 08.02.2019 and approval of Secretary, DSIR vide Diary No. 378/Secy (DSIR)/2019 dated 10.03.2019.

10. Sanction Order details has been entered in Divisional sanction order register vide Sl. No. 43 dated 19.3.2019.

Yours faithfully

(Dr. Sarika Madan)  
Scientist 'D'

Copy to:-

- 1. Cash Section, DSIR - (with 2 spare copies)
- 2. Prof. C.L. Mahanta, Dean, Research and Development, Tezpur University, Tezpur -784028 Assam
- 2. Shri Ashwani Gupta, Scientist G & Head A2K+, DSIR
- 3. Dr. Sujata Chakranobis, Scientist F & Member Secretary TDUPW, DSIR
- 4. Shri V.K. Varun, Scientist F and Head IT-eG, DSIR
- 5. Dir(F), IFD, DSIR
- 6. Accounts Section, DSIR
- 7. The Director of Audit (CW&M-II), AGCR Building, IP Estate, New Delhi -110 002
- 8. Relevant Project File
- 9. Sanction Folder

(Dr. Sarika Madan)  
Scientist 'D'

Tel: 011-2659 0534, Email: sarika.madan@nic.in

Handwritten notes and stamps at the bottom left.

Release Order

File No. DBT-NER/AGRI/33/2016 (Group-6)  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY  
(NER-BPMC)

\*\*\*\*\*

Block-2, 7<sup>th</sup> Floor,  
CGO Complex, Lodhi Road  
New Delhi-110003  
Dated: 22 / 3 /2018

**ORDER**

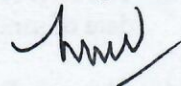
In continuation of this department's sanction order of even number dated 22/3 /2018, sanction of the President of India is hereby accorded under Rule 18 of the Delegation of Financial Powers Rules, 1978 for the release of **First year grant of ₹ 56.06 Lakhs (Rupees Fifty Six Lakhs and Six Thousand only)** to **The Pro-Vice Chancellor, North Eastern Hill University, Tura Campus, Meghalaya** for the implementation of a network project under 'DBT's NER-Banana Program for the NE' titled "*Value addition of banana (Musa. sp) and creating small scale enterprises of Meghalaya tribal community through minimal processing technology*" by Mr. Sasikumar Raju, North-Eastern Hill University, Tura Campus, Meghalaya and Dr. Thirunagnavel A, ICAR-National Research Centre for Banana, Tiruchirappalli, Tamil Nadu, as per the details given below:

		(₹ in lakhs)
	Heads	1 <sup>st</sup> Year
<b>I.</b>	<b>Non-Recurring</b> (Equipments and accessories)	48.26
<b>Sub Total- I</b>		<b>48.26</b>
<b>II.</b>	<b>Recurring</b>	
1	Manpower	3.30
2	Consumables	2.50
3	Travel	0.50
4	Contingency	0.50
5	Overhead charges	1.00
<b>Sub Total- II (1-5)</b>		<b>7.80</b>
<b>GRAND TOTAL (I+II)</b>		<b>56.06</b>

**(Rupees Fifty Six Lakhs and Six Thousand only)**

2. The other terms and conditions governing the financial sanction will remain unaltered.
3. The Non-recurring items must be procured and installed within 6 month period from the date of sanction.
4. "As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions 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 Institution or Organisation is called upon to do so "

5. M/s Biotech Consortium India Ltd., Anuvrat Bhawan, 210, Deen Dayal Upadhyay Marg, New Delhi-110 002, who is administrating the North Eastern Region Biotechnology Program Management Cell (NER-BPMC) of the department, is hereby authorized to disburse the amount of ₹ 56.06 Lakhs (Rupees Fifty Six Lakhs and Six Thousand only), as referred in Para 1 above, in favor of "The Pro-Vice Chancellor, North Eastern Hill University, Tura Campus, West Garo Hills, Tura-794002, Meghalaya" by an account payee cheque/demand draft under scheme North Eastern Region Biotechnology Program.
6. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT vide their Dy No. 102/I.F.D/SAN/1765-1767/2017-2018 Dated 20.07.2017.
7. This sanction order has been noted at Serial No. 398 in the Register of Grants.
8. Being the first release of the project, Utilization Certificate is not applicable.
9. In case the amount of grant-in-aid is refunded, the whole or a part amount of the grant, with an interest at 10% per annum there on shall be recovered.
10. No international travel will be undertaken from the sanctioned project grant unless specified otherwise.
  - a. Both NER & Rest of India (RoI), Institutions scientists should work together for the objectives stated in the sanction of the project and any deviation from this would attract closure of the project at any point of time.
  - b. In the project review meetings, both the PI's from NER & RoI Institutions should participate & make presentation.
  - c. The outcomes of the project such as research papers, patents, copy rights etc. should be made jointly.
  - d. The NER Scientists are to be trained at the collaborating institute appropriately to empower the NER Scientists.
  - e. The project personal such as Research Associate, JRF/SRF, Research Assistant are also to be trained at least once in the collaborating national institute.
  - f. The collaborating institute scientist should visit NER institutions more frequently to guide NER scientists in design and conduct of experiments.

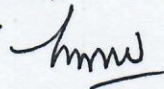
  
(Dr. T. Madhan Mohan)  
Sr. Adviser, DBT

To,

The Pay & Accounts Officer,  
Department of Biotechnology,  
New Delhi- 110 003.

Copy to:

1. The Principal Director of Audit (Scientific Department), AGCR Building, New Delhi - 110 002.
2. Cash Section, DBT (For information only).
3. Sanction Folder.
4. IFD, DBT.
5. The Pro-Vice Chancellor, North Eastern Hill University, Tura Campus, West Garo Hills, Tura-794002, Meghalaya.
6. The Vice-Chancellor, North Eastern Hill University, Tura Campus, West Garo Hills, Tura-794002, Meghalaya.
7. Mr. Sasikumar Raju, Assistant Professor, Department of Agri Business Management & Food Technology, North Eastern Hill University, Tura Campus, Chandmari-794002, Meghalaya.
8. Dr. Suresh C P, Professor, Department of Horticulture, North Eastern Hill University, Tura Campus, Chandmari-794002, Meghalaya.
9. Dr. Raj Kumar Duary, Assistant Professor-Microbiology, Department of Food Engineering & Technology, Tezpur University, Napaam-784028, Assam.
10. Concern File.
11. The Managing Director, Biotech Consortium India Limited, (NER-BPMC), 5<sup>th</sup> Floor, Anuvart Bhawan, 210, Deen Dayal Upadhyay Marg, New Delhi- 110002.



(Dr. T. Madhan Mohan)  
Sr. Adviser, DBT

(5)

**Administrative**  
(Application No: MED/2017/32)

**File No. BT/PR24726/NER/95/833/2017**  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY  
(NER BPMC)

\*\*\*\*\*

Block-2, 7<sup>th</sup> Floor,  
CGO Complex, Lodhi Road  
New Delhi-110003  
Dated: 23 / 03 /2018

**ORDER**

Sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Powers Rules, 1978 for the implementation of the project under 'DBT's Twinning programme for the NE' titled "Development of synthetic derivatives of natural compound, Noscapine as tubulin binding chemotherapeutic agent and evaluation of its synergistic effect with Taxotere for management of human breast cancer" by Dr. Anand Ramteke, Tezpur University, Napaam, Assam and Sambalpur University, Jyotivihar, Odisha at a total cost of ₹ 70.50 Lakhs (Rupees Seventy Lakhs and Fifty Thousand Only) for a period of three years, on the terms and conditions detailed as under:

**2.0 The Project:**

**2.1 Project Title:** Development of synthetic derivatives of natural compound, Noscapine as tubulin binding chemotherapeutic agent and evaluation of its synergistic effect with Taxotere for management of human breast cancer.

**2.2 Project Investigators**

- 2.2.1 Principal Investigator:** Dr. Anand Ramteke  
(Parent Institute) Professor,  
Dept. of Molecular Biology & Biotechnology,  
Tezpur University,  
Napaam - 784028, Assam
- 2.2.2 Principal Investigator:** Dr Pradeep Naik  
(Collaboration Institute) Professor and Head,  
Department Biotechnology and Bioinformatics,  
Sambalpur University, Jyotivihar  
Burla, Sambalpur- 768019, Odisha.
- 2.2.3 Co-Investigators:** Dr. Suvendra Ray  
(Parent Institute) Professor and Head,  
Dept. of Molecular Biology & Biotechnology,  
Tezpur University,  
Napaam - 784028, Assam

W

**2.2.4 Co-Investigators I:  
(Collaboration Institute)**

Dr. Srinivas Kantevari  
Principal Scientist & Associate Professor,  
Department of Organic Chemistry Division-II,  
CSIR-Indian Institute of Chemical Technology  
(CSIR-IICT), 225, First Floor, Main Building,  
Hyderabad- 500007.

**2.2.5 Co-Investigators II:  
(Collaboration Institute)**

Dr. Sabita Mohapatra  
Professor and Head,  
Department of Pharmacology,  
Principal Scientist & Associate Professor,  
Veer Surendra Sai University of Technology  
(VSSUT), Sambalpur-768018, Odisha.

**2.3 Objectives:**

Tezpur University:

1. To evaluate and establish the in vitro anticancer efficacy of novel microtubule-interfering agent (design above) using breast cancer cells. Towards this end we will determine the effect of novel Noscapinoid to (i) inhibit cellular proliferation, (ii) perturb spindle architecture, (iii) binding affinity with tubulin, (iv) affect cell cycle kinetics, and (v) induce apoptosis in breast cancer cells.
2. To determine the combination dose regimen of promising Noscapinoid and Docetaxel (a clinically used taxane for metastatic breast cancer therapy) and evaluate its therapeutic outcome using in vitromodels.

Sambalpur University

3. To rationally design novel and potent derivative of Noscapine (called Noscapinoid) with high binding affinity onto  $\alpha$ - and  $\beta$ -tubulin complex followed by chemical synthesis and structural characterization.
4. To evaluate the in vivo therapeutic efficacy of promising Noscapinoid as an inhibitor of localized and metastatic breast cancer using breast cancer model established in animal.
5. To evaluate the toxicity if any of promising Noscapinoid based on histopathology and hematology studies using animal model
6. To determine the combination dose regimen of promising noscapinoid and Docetaxel (a clinically used taxane for metastatic breast cancer therapy) and evaluate its therapeutic outcome using in vivo model as well as toxicity analysis.

**2.4 Time Schedule:**

The duration of the project is **Three Years** from the date of issue of sanction order.

*W,*

2.5 Equipment Details:

2.5.1 Tezpur University, Assam

Sl. No.	Description of equipment	Grant Recommended (Rupees in lakhs)
1.	Inverted fluorescent microscope	9.00
2.	Deep Freezer (-80)	3.00
<b>Total</b>		<b>12.00</b>

2.5.2 Sambalpur University, Sambalpur, Odisha

Sl. No.	Description of equipment	Grant Recommended (Rupees in lakhs)
1.	Cryostat microtome	7.00
<b>Total</b>		<b>7.00</b>

2.6 Manpower:

Fellowship Conditions:

A year wise detail of manpower as proposed has been furnished below. HRA will be as per the Govt. Norms, an indication as stated below for the JRF and SRF's emoluments will be provided as a part of sanction order. JRF shall be ₹ 25,000/- + HRA for the 1st two years and ₹ 28,000/- + HRA for the 3rd year for SRF and applicable, (JRF - Post graduate Degree in Basic Science with NET qualification or graduate degree in Professional course with NET qualification or post graduate degree in professional course) JRF without NET qualification shall be ₹ 12,000/- + HRA for the 1st two years and ₹ 14,000/- + HRA for the 3rd year for SRF.

- For JRF/SRF/RA salary is as per the revised DST OM SR/S9/Z-09/2012, dated October 21, 2014.
- For Project Assistant salary is as per the revised DST OM C.30011/1/2007-IFD, dated 21<sup>st</sup> July 2008

2.6.1 Tezpur University, Assam

S No.	Position (No)	Consolidated Emolument	(₹ in lakhs)			Total
			1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> year	
1.	JRF/SRF (1)	JRF @ ₹ 25,000/- + 10 % HRA for the 1 <sup>st</sup> & 2 <sup>nd</sup> yr SRF @ ₹ 28,000/- + 10 % HRA for 3 <sup>rd</sup> yr	3.30	3.30	3.70	10.30
<b>Total</b>			<b>3.30</b>	<b>3.30</b>	<b>3.70</b>	<b>10.30</b>

2.6.2 Sambalpur University, Sambalpur, Odisha

(₹ in lakhs)

S No.	Position (No)	Consolidated Emolument	1st Year	2nd Year	3rd year	Total
1.	JRF/SRF (1)	JRF @ ₹ 25,000/- + 10 % HRA for the 1 <sup>st</sup> & 2 <sup>nd</sup> yr SRF @ ₹ 28,000/- + 10 % HRA for 3 <sup>rd</sup> yr	3.30	3.30	3.70	10.30
<b>Total</b>			<b>3.30</b>	<b>3.30</b>	<b>3.70</b>	<b>10.30</b>

2.7 Budget Estimate:

The total cost of the project is ₹ 70.50 Lakhs (Rupees Seventy Lakhs and Fifty Thousand Only) as per budget summary given below:

2.7.1 Tezpur University, Assam

(₹ in lakhs)

Heads	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	Total
<b>I. Non-Recurring</b> (Equipment's and accessories)	12.00	0.00	0.00	12.00
<b>Sub Total- I</b>	<b>12.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12.00</b>
<b>II. Recurring</b>				
1. Manpower	3.30	3.30	3.70	10.30
2. Consumables	5.00	4.00	4.00	13.00
3. Travel	0.50	0.50	0.50	1.50
4. Contingency	0.50	0.50	0.50	1.50
5. Overhead charges	2.00	1.00	1.00	4.00
<b>Sub Total- II (1-5)</b>	<b>11.30</b>	<b>9.30</b>	<b>9.70</b>	<b>30.30</b>
<b>GRAND TOTAL (I+II)</b>	<b>23.30</b>	<b>9.30</b>	<b>9.70</b>	<b>42.30</b>

2.7.2 Sambalpur University, Sambalpur, Odisha

(₹ in lakhs)

Heads	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	Total
<b>I. Non-Recurring</b> (Equipment's and accessories)	7.00	0.00	0.00	7.00
<b>Sub Total- I</b>	<b>7.00</b>	<b>0.00</b>	<b>0.00</b>	<b>7.00</b>
<b>II. Recurring</b>				
1. Manpower	3.30	3.30	3.70	10.30
2. Consumables	3.00	3.00	2.00	8.00
3. Travel	0.25	0.25	0.25	0.75
4. Contingency	0.50	0.30	0.30	1.10
5. Overhead charges	0.50	0.30	0.25	1.05
<b>Sub Total- II (1-5)</b>	<b>7.55</b>	<b>7.15</b>	<b>6.50</b>	<b>21.20</b>
<b>GRAND TOTAL (I+II)</b>	<b>14.55</b>	<b>7.15</b>	<b>6.50</b>	<b>28.20</b>

- (i) Grand total for 3 years (₹ 42.30 + ₹ 28.20) = ₹ 70.50 Lakhs  
(ii) Total for 1<sup>st</sup> year release (₹ 23.30 + ₹ 14.55) = ₹ 37.85 Lakhs

## 2.8 Other Terms & Conditions:

- 2.8.1 The other terms and conditions governing this sanction are attached at **Annexure-I**.
- 2.8.2 A Memorandum of Agreement (MoA) will be signed between the Department of Biotechnology and the grantee institute on a ₹ 100/- stamp paper in the format given at **Annexure II** and the subsequent releases will be made only after signing of MoA by the grantee institute and its acceptance by DBT. All pages need to be signed by the PI and the forwarding authority and the MoA returned to DBT within 30 days of issue of this letter.
- 2.8.3 The Non-recurring items must be procured and installed within 6 month period from the date of sanction.
- 2.8.4 In case the amount of grant-in-aid is refunded, the whole or a part amount of the grant, with an interest at 10% per annum there on shall be recovered.
- 2.8.5 No international travel will be undertaken from the sanctioned project grant unless specified otherwise.
- 2.8.6 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 will be treated as created to the institute / Agency and shall be adjusted towards further installment of the grant and or at the time of Final Settlement of Account.
- ## 2.9 Additional Terms & Conditions, specific for Twinning R&D program for NER:
- 2.9.1 Both NER & Rest of India (RoI), Institutions scientists should work together for the objectives stated in the sanction of the project and any deviation from this would attract closure of the project at any point of time.
- 2.9.2 In the project review meetings, both the PI's from NER & RoI Institutions should participate & make presentation.
- 2.9.3 The outcomes of the project such as research papers, patents, copy rights etc. should be made jointly.
- 2.9.4 The NER Scientists are to be trained at the collaborating institute appropriately to empower the NER Scientists.
- 2.9.5 The project personal such as Research Associate, JRF/SRF, Research Assistant are also to be trained at least once in the collaborating national institute.
- 2.9.6 The collaborating institute scientist should visit NER institutions more frequently to guide NER scientists in design and conduct of experiments.
- 2.10 This issues under the powers delegated to this Department and with the concurrence of IFD, DBT vide their Dy No/102/I.F.D/SAN/1765-1767/2017-2018 Dated 20.07.2017.
- 2.10.1 This sanction order has been noted at Serial No. <sup>419-420</sup>..... in the Register of Grants.

Dem. RD / for map  
PO

882  
R.C. int. 27-04-18  
Dean, R/D

Levathy Vishwanath  
Assistant Director  
RP Division Incharge  
Tel #011-26716690  
E-mail: rpicssr@gmail.com/rpicssr@gmail.com

Indian Council of Social Science Research  
(Ministry of Human Resource Development)  
JNU Institutional Area, Aruna Asaf Ali Marg  
New Delhi - 110067  
Website: [www.icssr.org](http://www.icssr.org)

SANCTION ORDER

No. G-28/2017-18/ICSSR/RP

Dated: March 28, 2018

The Registrar,  
Tezpur University  
Napaam, Dist: Sonitpur, Assam - 784028

Subject: Sanction of Research Programme entitled "Women and making of the public sphere in Contemporary Assam: An oral history digital archive" to Dr Hemijyoti Medhi.

Dear Sir,

1. The Indian Council of Social Science Research (ICSSR) considered the above Research Programme submitted by Dr Hemijyoti Medhi, Dept of EFL, Tezpur University, Napaam, Sonitpur, Assam. Co-Project Directors of the study are: Dr. Reetamoni Narzary, Asst Prof, Dept of English & Foreign Languages, Tezpur University, Napaam, Sonitpur, Assam. The study, as proposed by the researcher, is to be located at and financially administered by your institution as per the guidelines of this award.
2. The ICSSR has sanctioned a grant-in-aid of Rs.10,00,000/- (Rupees Ten lakhs only) for the above research project and the grant will be released as follows:

First instalment	:Rs.2,50,000/-
Second instalment	:Rs.2,50,000
Third instalment-Partial	:Rs.2,00,000
Third remaining	:Rs. 50,000
Fourth Instalment	:Rs.2,00,000/-
Publication cost*	<u>:Rs. 50,000/-</u>
Total	<u>:Rs.10,00,000/-</u>

Overhead charges @ 5% or Rs.1,00,000/-\*\* whichever is lesser.

\* ICSSR would publish it subject to recommendation by the expert and relevant Committees for the purpose, from the overall budget, so to be retained by the ICSSR .

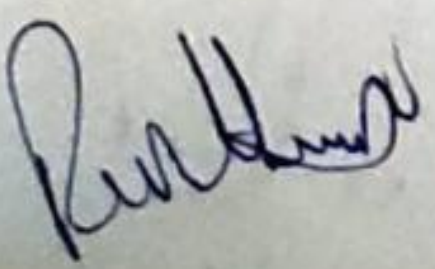
\*\*will be released on successful completion of project after evaluation.

(The break-up budget approved by the ICSSR of Rs.10,00,000/- is enclosed.)

The First installment of the approved grant-in-aid will be released after receiving the grant-in-aid bill duly filled in, stamped and signed by the Project Director as well as the affiliating organization. (GIB already received).

*Reetamoni Narzary*

4. In case, the study involves survey research, the finalized schedules/questionnaires (2 copies) designed to elicit information should be sent to the ICSSR as per the following schedule:
  - a. If the schedule /questionnaire for eliciting information is as per standard questionnaire, these will have to be sent to ICSSR immediately,
  - b. If the schedule /questionnaire for eliciting information are to be designed afresh keeping in view the requirements of the project, these will have to be sent to the ICSSR within a period of six months in any case.
5. The Second instalment will be released after receiving a satisfactory nine monthly/Annual Progress Report, simple statement of accounts of the first instalment along-with signed copy of the minutes of the Advisory Committee set up by the ICSSR. (Depending upon the duration of the Project).
6. The Third instalment of 20% will be released after receiving the second Progress Report (18 months), simple statement of accounts of second instalment along-with signed copy of the minutes of the Advisory Committee. Remaining 5% of the third instalment will be released after receiving Final Report (two hard copies and one soft copy in CD/or pen-drive) along with the executive summary (3000 to 4000 words/ten copies) and Research Papers (three) and the statement of account of the third instalment. Such data or information relating to the research project as may be asked for by the ICSSR for preservation in its Data Archives should be given by the scholar.
7. The scholar should acknowledge support of ICSSR that the project has been sponsored by the ICSSR, in all publications resulting from the project output (Research Paper, Books, Articles, Reports, etc.) and should submit a copy of the same to the ICSSR during its course and after completion.
8. The Fourth instalment will be released on the receipt of: (a) Satisfactory book length of the Final Report in the publishable form after incorporating all corrections, suggestions of the expert; (b) Statement of accounts with Utilization Certificate in GFR of 19A form for the entire project amount duly signed by the Finance Officer/Registrar/Director of the affiliating institution (c) A certificate of statement of assets and books purchased out of the project fund issued by the affiliating institution.
9. The University/Institution of affiliation will provide to the scholar office accommodation including furniture, library and research facilities and messengerial services. For this, the ICSSR shall pay to the University/Institution of affiliation overhead charges @5% of the total expenditure or Rs.1,00,000/- whichever is lesser, incurred on the project only after successful completion of the project.
10. The Contingency Grant may be utilized for research and office assistance, books, stationary, computer cost, research assistance and the field work expenses of Project Director, Co-Project Directors and research personnel connected with the research work.
11. The accounts and the Utilization Certificate will be signed by the Finance Officer/Registrar/ Director in the case of accounts of the institution are audited by CAG/AG. Otherwise, they need to be signed by the Finance Officer and the Chartered Account.
12. The Director of the research project will be Dr Hemijyoti Medhi, who will be responsible for its completion within 24 Months from the date of commencement of the project, which is 18/04/2018, as intimated by the scholar.



- (2)
13. In case, the Project Director does not submit the periodic / final project report as per schedule with adequate justification, the scholar may be debarred from availing all future financial assistance from ICSSR.
  14. All grants from ICSSR are subject to the general provision of GFR 2005 and in particular with reference to the provision contained in GFR 209, GFR 210, GFR 211 and GFR 212.
  15. The Project Director will ensure that the expenditure incurred by him conforms to the approved budget heads. The grant-in-aid is subject to all the conditions laid down in the ICSSR Research Projects scheme (Research Programme) available in the ICSSR website [www.icssr.org](http://www.icssr.org).
  16. The expenditure on this account is debatable to the Budget Head-B Programmes Research Programme-Plan General. (09) Grant-in-aid for RPS.
  17. As per MHRD instruction, the amount of grant sanctioned herein is to be utilized by the end of the project duration. Any amount of the grant remaining unspent shall be refunded to the ICSSR immediately after the expiry of the duration of the project. If the grantee fails to utilize the grant for the purpose for which the same has been sanctioned/or fails to submit the audited statement of expenditure within the stipulated period, the grantee will be required to refund the amount of the grant with interest thereon @ 10% per annum.

Yours faithfully,



(Revathy Vishwanath)  
For MEMBER-SECRETARY

Encl: as above.

Copy to:

1. Dr Hemijyoti Medhi  
Dept of EFL  
Tezpur University  
Napaam, Dist: Sonitpur, Assam - 784028
2. Reetamoni Narzary  
Assistant Professor  
Dept of English & Foreign Languages  
Tezpur University, Napaam, Sonitpur, Assam 0 784028
3. Finance Branch, ICSSR, New Delhi
4. Record file



(Revathy Vishwanath)  
For MEMBER-SECRETARY

**BT/01/17/NE/TAX  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY**

**Block 2, 6-8th Floors  
CGO Complex, Lodhi Road,  
New Delhi- 110 003**

**Dated: 29<sup>th</sup> March, 2018**

**ORDER**

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled "**Bioresource and Sustainable livelihoods in North East India**" for a period of 3 Year 0 Month at a total cost of Rs. **2318.64243 lakhs (Rupees Twenty Three Crores Eighteen Lakhs Sixty Four Thousand Two Hundred and Forty Three Only)** on the terms and conditions detailed here under:-

**2. The Project:**

**2.1 Title: Bioresource and Sustainable livelihoods in North East India**

**2.2 Overall Project Coordinator: Dr. Ganesan Rengaiyan**, Fellow, Suri Sehgal Center for Biodiversity and Conservation, Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore

**Project Co-Coordinator: Professor Dinabandhu Sahoo**, Director, Institute of Bioresources and Sustainable Development (IBSD), Imphal, Manipur

**2.3 Project Investigators:**

**COMPONENT 1 – INVENTORIES AND MAPPING OF BIORESOURCES IN NORTHEAST INDIA**

**Subproject 1: ATREE, Bangalore**

**Principal Investigators: 1. Dr. Ganesan Rengaiyan**, ATREE, Bangalore

**Co- Investigator: 1. Dr. Ravikanth Gudsalmani**, (ATREE), Bangalore  
**2. Dr. Muneeswaran Mariappan**, (ATREE), Bangalore

**Subproject 2: Assam - Balipara Foundation, Assam**

**Principal Investigator: 1. Dr. Gitamani Dutta**, Balipara Foundation, Assam

**Subproject 3, 4, 5 Yet to be Identified:**

**Subproject 6:- Nagaland University, Nagaland**

**Principal Investigator: 1. Dr. Neizo Puro**, Nagaland University, Lumami

**Co-Investigator: 1. Dr. Limasenla**, Nagaland University, Lumami

**Subproject 7: Institute for Bioresources and Sustainable Development (IBSD), Manipur**

**Principal Investigator : 1. Dr. Biseshwori Thongam**, IBSD, Imphal, Manipur,

**Subproject 8: Mizoram University, Mizoram**

**Principal Investigator: 1. Dr. Bianka Zote**, Mizoram University, Aizawl

**Subproject 9: Tripura University, Tripura**

**Principal Investigator: 1. Dr. Badal Datta**, Tripura University, Tripura, Agartala

**Subproject 10:- North East Hill University (NEHU), Meghalaya**

**Principal Investigator: 1. Dr. Uma Shankar**, North Eastern Hill University, Shillong

*Mohd. Aslam*

**Subproject 11: National Botanical Research Institute (NBRI), Lucknow**

**Principal Investigator :** 1. **Dr. Sanjeeva Nayaka**, NBRI, Lucknow

**Co-Investigator:**

1. **Dr. Tikam Rana**, NBRI, Lucknow
2. **Dr. Ashish Asathana**, NBRI, Lucknow
3. **Dr. Ajit Singh**, NBRI, Lucknow
4. **Dr. Poonam Singh**, NBRI, Lucknow
5. **Dr. Suchi Srivastava**, NBRI, Lucknow
6. **Dr. Vinay Sahu**, NBRI, Lucknow
7. **Dr. Kiran Toppo**, NBRI, Lucknow
8. **Dr. Sandip Behera**, NBRI, Lucknow
9. **Mr. Komal Ingle**, NBRI, Lucknow

**Subproject 12: Institute for Bioresources and Sustainable Development (IBSD), Manipur**

**Principal Investigator :** 1. **Professor Dinabandhu Sahoo**, IBSD, Imphal, Manipur

**Co-Principal Investigator:** 1. **Dr. Nanaocha Sharma**, IBSD, Imphal, Manipur

**Subproject 13: - Agharkar Research Institute, Pune**

**Principal Investigator:** 1. **Dr. Karthick Balasubramanian**, Agharkar Research Institute, Pune

**Subproject 14: Institute for Bioresources and Sustainable Development (IBSD), Manipur**

**Principal Investigator:** 1. **Dr. Shantibala Tourangbam**, IBSD, Imphal, Manipur

**Subproject 15: Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore**

**Principal Investigator:** 1. **Dr. Priyadarsanan**, ATREE, Bangalore

**Subproject 16: Rajiv Gandhi University, Arunachal Pradesh**

**Principal Investigator:** 1. **Dr. Hiren Gogoi**, Rajiv Gandhi University, Arunachal Pradesh

**Subproject 17: North Eastern Hill University (NEHU), Shillong**

**Principal Investigator:** 1. **Dr. Sundhanya Hajong**, North Eastern Hill University, Shillong

**Subproject 18: - Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore**

**Principal Investigator:** 1. **Dr. Priyadarsanan**, ATREE, Bangalore

**Subproject 19: Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore**

**Principal Investigator:** 1. **Dr. Aravind**, Fellow, ATREE, Bangalore

**Subproject 20: Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore**

**Principal Investigator:** **Dr. Ganesan Rengalan**, ATREE, Bangalore

**Co- Investigator:** 1. **Dr. Ravikanth Gudsalmani**, ATREE, Bangalore  
2. **Dr. Muneeswaran Mariappan**, ATREE, Bangalore

**Component 2: Integrative Taxonomic Analysis for Assessment of Diversity and Phylogenetic Relationships among Selected Understudied Taxa of Northeast Region**

**Project Coordinator :** **Dr. Ajay Parida**, Institute of Life Sciences , Bhubaneswar

**Subproject 1: - Institute of Life Sciences (ILS), Bhubaneswar**

**Principal Investigator:** 1. **Dr. Ajay Parida**, Institute of Life Sciences, Bhubaneswar

**Co-Investigator:** 1. **Dr. Nrisingha Kumar Dey**, Institute of Life Sciences, Bhubaneswar

*Mold. Ashe*

**Subproject 2: Institute of Bioresources and Sustainable Development (IBSD), Imphal**

**Principal Investigator:** 1. Dr. Biseshwori Thongam, IBSD, Imphal

**Subproject 3: National Botanical Research Institution (NBRI)**

**Principal Investigator :**

1. Dr. K Narayana, NBRI, Lucknow
2. Professor S K Barik, NBRI, Lucknow
3. Dr. Tikam Rana, NBRI, Lucknow
4. Dr. Satya Narayanan Jena, NBRI, Lucknow, Lucknow

**Subproject 4 Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore**

**Principal Investigator:** 1. Dr. Ganesan Rengaiyan, ATREE, Bangalore

**Co-Investigator:** 1. Dr. Ravikanth Gudlasamani, ATREE, Bengaluru

**Component 3: Assess the economic value of bio-resources and their role in meeting the societal needs and sustainable development goals**

**Project Coordinator:** Professor Dinabandhu Sahoo, IBSD, Imphal

**Project Co- Coordinator:** Dr. Saroj Kumar Barik: - NBRI, Lucknow

**Subproject 1: Institute for Bioresources and Sustainable Development (IBSD), Manipur**

**Principal Investigator :** 1. Professor Dinabandhu Sahoo, IBSD, Imphal, Manipur,

**Co-Investigator:** 1. Dr. Albert Chiang, IBSD, Imphal, Manipur

**Subproject 2: National Botanical Research Institute (NBRI), Lucknow**

**Principal Investigator :** 1. Dr Sekhar Chandra Mohanty, NBRI, Lucknow

**Co-Investigator:**

1. Dr. O P Sidhu, NBRI, Lucknow
2. Dr. Manjooasha Srivastava, NBRI, Lucknow
3. Dr. Anand Prakash, NBRI, Lucknow
4. Dr. Vishnu Wagh, NBRI, Lucknow

**Component 4: Biodiversity-based Livelihoods**

**Project Coordinator:** Professor Saroj K. Barik, National Botanical Research Institute, Lucknow

**Subproject 1 - CSIR- NBRI, Lucknow**

**Principal Investigator:** 1. Dr. Brahma Singh, National Botanical Research Institute, Lucknow

**Co-Investigator:**

1. Dr. Krishna Tiwari, National Botanical Research Institute, Lucknow
2. Dr. Ch V Rao, National Botanical Research Institute, Lucknow
3. Dr. Sharad Srivastava, National Botanical Research Institute, Lucknow
4. Dr. O.P. Sidhu, National Botanical Research Institute, Lucknow

**Subproject 2 - North Eastern Regional Institute of Science and Technology, Itanagar**

**Principal Investigator :** 1. Dr. Padmaraj Gajurel, NERIST, Arunachal Pradesh

**Co-Investigator:** 1. Dr. Binay Singh, NERIST, Arunachal Pradesh

**Subproject 3 - Institute of Bioresources and Sustainable Development (IBSD), Imphal, Manipur,**

**Principal Investigator:** 1. Dr. Biseshwori Thongam, IBSD, Imphal, Manipur

**Subproject 4 - North Eastern Hill University, Meghalaya, Shillong, Meghalaya**

**Principal Investigator :** 1. Dr. Highland Kayang, NEHU, Shillong, Meghalaya

**Co-Investigator :** 1. Dr. Papiya Ramanujam, NEHU, Shillong, Meghalaya

*Mold. Asle.*

**Component 5 - Enhancing capacity in Communication about biological resources, biodiversity science and sustainable development for societal benefits in Northeast**

**Project Coordinator:** Dr. Ravikanth G., ATREE, Bangalore

**Principal Investigator:** 1. Dr. Ravikanth G., ATREE, Bangalore

**Co-Investigator :**

1. Dr. Aravind , Fellow, ATREE, Bangalore
2. Dr. Saraia Khaling , , ATREE, Bangalore
3. Dr Biseshwori Thongam IBSD, Imphal, Manipur,

**Component 6 - Monitoring, Management and Coordination of the project**

**Project Coordinator:** Dr. Ganesan Rengalan, ATREE, Bangalore

**Project Co-coordinator:** Professor Dinabandhu Sahoo, IBSD, Imphal, Manipur

**2.4 Objectives:**

**Overall objectives of the project:**

1. Distribution maps of natural landscapes, ecosystems, and species
2. Patterns of species richness, abundance, rarity and endemism
3. A systematic program on the monitoring of anthropogenic impacts, including climate change, on bioresources and biodiversity
4. Data on evolutionary relationships among species in species rich genera such as wild gingers, Primulas, oaks and other taxa
5. Profiles of genetic variation within selected species of economic importance such as gingers, cucurbits, and oranges
6. Economic assessment of bioresources of the region
7. Options and tradeoffs in the use of ecosystem services in meeting United Nation's Sustainable Development Goals.
8. Data on the use of wild bioresources by local communities and traditional knowledge associated with these resources
9. New products and improved germplasm from wild bioresources integrated with livelihoods of local communities
10. Central Database Management Unit that curates, organizes and archives biodiversity data on the distribution of genes, populations, species and ecosystems and their use, with data also serving as baseline to detect future changes as result of human use and climate change
11. Trained scientists and strengthened institutions in the Northeast to address critical issues in conservation and management of bioresources
12. A minimum of 10 graduate level courses over 5 years in modern concepts and tools of biodiversity science
13. At least 40 doctoral dissertations on bioresources by graduate students from institutions in the Northeast over the next 5-7 years
14. A web-based portal on biodiversity of the Northeast mirrored on the web sites of the 10 participating institutions
15. Public engagement in conservation and management of bioresources and biodiversity via citizen science programs on the portal and other communication and outreach programs.

**COMPONENT AND SUB-PROJECT WISE PROJECT OBJECTIVES ARE AS FOLLOWS:**

**COMPONENT-1: INVENTORIES AND MAPPING O BIORESOURCES IN NORTHEAST INDIA**

**Sub- project : 1 Mapping ecosystems of the Northeast and Quantitative assessment and mapping of plant diversity and biological resources in Sikkim Himalaya: (Ashoka Trust for Research in Ecology and the Environment, Bangalore):**

1. Map ecosystems and distribution of species (flowering and non-flowering plants and selected animal groups) from secondary data to identify the preliminary patterns of species richness, abundance, rarity, endemism in the Northeast region
2. Undertake a systematic, quantitative inventory of the distribution and diversity of flowering plants and biological resources in Sikkim and Darjeeling Himalayan region of the Northeast using grid-based sampling approach.
3. Identify biological resources used by local communities, including wild relatives crop plants in Sikkim and Darjeeling Himalayan region

Md. Aslam

**Sub-project 2: Quantitative assessment and mapping of plant diversity and biological resources in Upper and Lower Assam: Balipara Foundation, Assam**

1. Undertake a systematic, quantitative inventory of the distribution and diversity of flowering plants and biological resources in Upper and Lower Assam region of the Northeast using grid-based sampling approach.
2. Identify biological resources used by local communities, including wild relatives crop plants in Upper and Lower Assam region

**Sub-project 3: Quantitative assessment and mapping of plant diversity and biological resources in Western Arunachal Pradesh: Institute yet to be identified**

1. Undertake a systematic, quantitative inventory of the distribution and diversity of flowering plants and biological resources in Western Arunachal Pradesh region of the Northeast using grid-based sampling approach.
2. Identify biological resources used by local communities, including wild relatives crop plants in Western Arunachal Pradesh region

**Sub-project 4: Quantitative assessment and mapping of plant diversity and biological resources in Central Arunachal Pradesh: Institute yet to be identified**

1. Undertake a systematic, quantitative inventory of the distribution and diversity of flowering plants and biological resources in Central Arunachal Pradesh region of the Northeast using grid-based sampling approach.
2. Identify biological resources used by local communities, including wild relatives crop plants in Central Arunachal Pradesh region

**Sub-project 5: Quantitative assessment and mapping of plant diversity and biological resources in Eastern Arunachal Pradesh: North Eastern Regional Institute of Science and Technology (NERIST)**

1. Undertake a systematic, quantitative inventory of the distribution and diversity of flowering plants and biological resources in Eastern Arunachal Pradesh region of the Northeast using grid-based sampling approach.
2. Identify biological resources used by local communities, including wild relatives crop plants in Eastern Arunachal Pradesh region

**Sub-project 6: Quantitative assessment and mapping of plant diversity and biological resources in Nagaland: Nagaland University : Dr. Neizo Puro**

1. inventory of the distribution and diversity of flowering plants and biological resources in Nagaland region of the Northeast using grid-based sampling approach.
2. Identify biological resources used by local communities, including wild relatives of crop plants in Nagaland region

**Sub-project7: Quantitative assessment and mapping of plant diversity and biological resources in Manipur: Institute for Bioresources and Sustainable Development (IBSD), Manipur:**

1. Undertake a systematic, quantitative inventory of the distribution and diversity of flowering plants and biological resources in Manipur region of the Northeast using grid-based sampling approach.
2. Identify biological resources used by local communities, including wild relatives of crop plants in Manipur region

**Sub-project 8: Quantitative assessment and mapping of plant diversity and biological resources in Mizoram: Mizoram University, Mizoram:**

1. Undertake a systematic, quantitative inventory of the distribution and diversity of flowering plants and biological resources in Mizoram region of the Northeast using grid-based sampling approach.
2. Identify biological resources used by local communities, including wild relatives of crop plants in Mizoram region.

**Sub-project 9: Quantitative assessment and mapping of plant diversity and biological resources in Tripura: Tripura University, Tripura:**

1. Undertake a systematic, quantitative inventory of the distribution and diversity of flowering plants and biological resources in Tripura region of the Northeast using grid-based sampling approach.
2. Identify biological resources used by local communities, including wild relatives of crop plants in Tripura region.

**Sub-project10: Quantitative assessment and mapping of plant diversity and biological resources in Meghalaya: North East Hill University (NEHU), Meghalaya:**

1. Undertake a systematic, quantitative inventory of the distribution and diversity of flowering plants and biological resources in Meghalaya region of the Northeast using grid-based sampling approach.
2. Identify biological resources used by local communities, including wild relatives of crop plants in Meghalaya region

Mohd. Asher

**Sub-project 11: Quantitative assessment and mapping of the diversity of non-flowering plants (bryophytes, fungi, pteridophytes,) of Northeast India. National Botanical Research Institute (NBRI), Lucknow:**

1. Undertake a systematic, quantitative inventory of the distribution and diversity of non-flowering plant (bryophytes, fungi, pteridophytes, gymnosperms) in the Northeast region using grid-based sampling approach
2. Identify non-flowering plant (bryophytes, fungi, pteridophytes, gymnosperms) based biological resources used by local communities in Northeast region and integrate this data into a comprehensive database.

**Sub-project 12: Quantitative assessment and mapping of the diversity of non-flowering plants (Algae) of Northeast India. Institute for Bioresources and Sustainable Development (IBSD), Manipur:**

1. Undertake a systematic, quantitative inventory of the distribution and diversity of non-flowering plant (Algae) in the Northeast region using grid-based sampling approach
2. Identify algal based biological resources used by local communities in Northeast region and integrate this data into a comprehensive database.

**Sub-project 13: Quantitative assessment and mapping of the diversity of non-flowering plants (Diatom) of Northeast India. Agharkar Research Institute, Pune:**

1. Undertake a systematic, quantitative inventory of the distribution and diversity of non-flowering plant (Diatom) in the Northeast region using grid-based sampling approach.
2. Prepare a relational database of diatom flora of Northeast region.

**Sub-project 14: Geo-Referenced Database and Habitat Attributes of Insect Bioresources of NE India with Special Reference to Edible Insects and Wild Sericigenous Insects : Institute for Bioresources and Sustainable Development (IBSD), Manipur:**

1. Prepare geo-referenced database of edible insects and their habitat attributes of Northeast Indian states.

**Sub-project 15: Documenting Community Knowledge Associated with Insect Bio Resources of Northeast India, Together with Their Dynamics and Sustainability Challenges : Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore:**

1. Documenting community knowledge associated with insect bio resources of Northeast India, together with their dynamics and sustainability challenges and management.

**Sub-project 16: Quantitative assessment and mapping of the diversity of wild bees and honey bees of Northeast India. Rajiv Gandhi University, Arunachal Pradesh:**

1. Undertake a systematic, quantitative inventory of the distribution and diversity of wild bees and honey bees in the Northeast region using grid-based sampling approach
2. Prepare a relational database of wild bees and honey bees from the Northeast region integrating catalogs, specimen data, geo-referenced locality information, images, and a bibliography etc.

**Sub-project 17: Quantitative assessment and mapping of the diversity of Cicadas from Northeast India. North Eastern Hill University (NEHU), Shillong:-**

1. Undertake a systematic, quantitative inventory of the distribution and diversity Cicadas from the Northeast region using grid-based sampling approach
2. Prepare a relational database of Cicadas from the Northeast region integrating catalogs, specimen data, geo-referenced locality information, images, and a bibliography etc.

**Sub-project 18: Quantitative assessment and mapping of the diversity of Dung beetle (Scarabaeinae: Coleoptera) and Ant (Formicidae: Hymenoptera) from Northeast India. Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore:**

1. Collate existing information on Ants and Dung beetles of the Northeast region and organize this information into a database
2. Undertake a systematic, quantitative inventory of the distribution and diversity Ants and Dung beetles from the Northeast region using grid-based sampling approach
3. Prepare a relational database of Cicadas from the Northeast region integrating catalogs, specimen data, geo-referenced locality information, images, and a bibliography etc.

**Sub-project 19: Quantitative assessment and mapping of the diversity of non-marine molluscs (land snails and freshwater molluscs) Northeast India. Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore:-**

1. To undertake a systematic, quantitative inventory of the distribution and diversity of non-marine molluscs (land snails and freshwater molluscs) of the Northeast region using grid-based sampling approach
2. Assess the Bioresource potential of non marine mollusks in Northeast Indian region and develop comprehensive database.

M. Ashok

**Sub-project 20: Organization and Management of a Central Database and diversity analysis of transect data :Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore:-**

1. Establish and manage a central database for data generated by surveys of ecosystems, species, use of bioresources by local communities, and data generated by other subprojects of the study, using tools and approaches of biodiversity informatics; make the curated data available to researchers in the project
2. Use species level data from grid-based inventories to analyze diversity pattern and community assemblage rules

**Component 2: Integrative Taxonomic Analysis for Assessment of Diversity and Phylogenetic Relationships among Selected Understudied Taxa of Northeast Region**

**Sub-project 1: Integrative Taxonomic Analysis for Assessment of Diversity and Phylogenetic Relationships among Asiatic Vigna and Cucurbitaceae from Northeast Region: Institute of Life Sciences, Bhubaneswar:**

1. Assembly of core set of collections based on morphological characters as well as distribution pattern.
2. Molecular characterization of reference set of germplasm and identifying and developing best possible marker systems.
3. Elucidating intra- and inter-specific genetic diversity, analysis of population genetic structure and phylogeography of native and wild species
4. Molecular phylogenetics using nuclear and chloroplast gene sequence analyses.
5. Estimation of divergence times of species-populations through comparative phylogeographic and phylogenetic data analyses.
6. Identifying populations with unique and diverse attributes for aiding to conservation efforts.

**Sub-project 2: Integrative Taxonomic Analysis for Assessment of Diversity and Phylogenetic Relationships among Ginger (Zingiberaceae) and Prunus from Northeast Region: Institute of Bioresources and Sustainable Development (IBSD), Imphal:**

1. Assembly of core set of collections based on morphological characters as well as distribution pattern.
2. Molecular characterization of reference set of germplasm and identifying and developing best possible marker systems.
3. Elucidating intra- and inter-specific genetic diversity, analysis of population genetic structure and phylogeography of native and wild species
4. Molecular phylogenetics using nuclear and chloroplast gene sequence analyses.
5. Estimation of divergence times of species-populations through comparative phylogeographic and phylogenetic data analyses.
6. Identifying populations with unique and diverse attributes for aiding to conservation efforts.

**Sub-project 3: Integrative Taxonomic Analysis for Assessment of Diversity and Phylogenetic Relationships among Quercus and Citrus from Northeast Region: CSIR-NATIONAL BOTANICAL RESEARCH INSTITUTE (CSIR-NBRI):-**

1. Analysis of population genetic structure and phylogeography of native and wild species of Citrus and Quercus.
2. Molecular phylogenetics of Indian Citrus and Quercus using nuclear and chloroplast gene sequence analyses.
3. Estimation of divergence times of species-populations of Citrus and Quercus through comparative phylogeographic and phylogenetic data analyses.

**Sub-project 4: Integrative Taxonomic Analysis for Assessment of Diversity and Phylogenetic Relationships among Lauraceae from Northeast Region: Ashoka Trust for Research in Ecology and the Environment (ATREE):-**

1. Develop a comprehensive database for distribution of Lauraceae species in Northeast region of India from primary field survey and secondary data.
2. Use Integrative taxonomic approach by combining morphological, ecological and molecular sequence data to resolve taxonomic status and phylogenetic relationship of Northeast Indian Lauraceae.
3. Undertake historical biogeographic and comparative phylogenetic analysis of Northeast Indian Lauraceae to gain insights about phyto geography and diversification of Lauraceae.

**Component 3: Assess the economic value of bio-resources and their role in meeting the societal needs and sustainable development goals**

**Sub-project 1: Mainstreaming the lesser-known Bioresources: CSIR-NATIONAL BOTANICAL RESEARCH INSTITUTE (CSIR-NBRI):-**

1. Mainstreaming the lesser-known Bioresources.

**Sub-project 2: Integrating the unique bioresources to enhance the ecotourism potential of the region: Institute of Bioresources and Sustainable Development (IBSD), Imphal: -**

1. Integrating the unique bioresources to enhance the ecotourism potential of the region.

*M. J. Ashu*

#### **Component 4: Biodiversity-based Livelihoods**

##### **Sub-project 1:**

###### **Product development and partner support for demonstration farming and value addition: CSIR-NATIONAL BOTANICAL RESEARCH INSTITUTE (CSIR-NBRI):**

1. High value product development for selected bioresources and sharing the benefits with the communities
2. Demonstration farming, value addition and value chain development for high value plant resources for economic development
3. Capacity building among the communities for non-agriculture use of biodiversity

###### **Sub-project2: Development of captive farming, sustainable harvest technologies, integration with plantation programmes and agroforestry, and value addition in Arunachal Pradesh: NERIST, Arunachal Pradesh:**

1. Demonstration farming and value addition of high value plant resources hitherto under-exploited for economic development and sustainable use of biodiversity
2. Capacity building among the communities for non-agriculture use of biodiversity

###### **Sub-project 3: Development of captive farming, sustainable harvest technologies, integration with plantation programmes and agroforestry, and value addition by IBSD in Manipur/Nagaland Targeted bioresources: Gingers and Zanthoxylum: Institute of Bioresources and Sustainable Development (IBSD), Imphal, Manipur:**

1. Demonstration farming and value addition of high value plant resources hitherto under-exploited for economic development and sustainable use of biodiversity
2. Capacity building among the communities for non-agriculture use of biodiversity

###### **Sub-project 4: Development of captive farming, sustainable harvest technologies, integration with plantation programmes and agroforestry, and value addition by NEHU in East Khasi Hills, Meghalaya Targeted bioresources: Zanthoxylum and Gaultheria species: NEHU, Shillong, Meghalaya:-**

1. Demonstration farming and value addition of high value plant resources hitherto under-exploited for economic development and sustainable use of biodiversity
2. Capacity building among the communities for non-agriculture use of biodiversity

#### **Component 5: Enhancing Capacity in Communication about Biological resources, Biodiversity Science and Sustainable development for societal benefits in Northeast Ashoka Trust for Research in Ecology and the Environment( ATREE):**

There are two broad objectives of the proposal:

1. Build capacity of the research group engaged in the project and other staff in Northeast academic institutions, in biodiversity science (quantitative ecology, integrated taxonomy, conservation biology and green economy).
2. Develop a comprehensive, multi-level strategy to convey to students, practitioners, policy makers and the general public the ecological and economic significance of Bioresources

#### **Component 6: Sub-Project Title: Monitoring, Management and Coordination of the project; -**

**Project Summary:** The proposed program will be coordinated by the Ashoka Trust for Research in Ecology and the Environment (ATREE) and Institute of Bioresources and Sustainable Development (IBSD) under the sponsorship of the Department of Biotechnology (DBT) in partnership with a range of institutions in the northeast. This document deals with the management structure of the overall program and the associated budget.

##### **2.5 Time Schedule:**

The duration of the project is 3 Year 0 Month from the date of this sanction order.

##### **2.6 Project Cost:**

The total cost of the project is **Rs. 2318.64243 lakhs (Rupees Twenty Three Crores Eighteen Lakhs Sixty Four Thousand Two Hundred and Forty Three Only)** as per details given below:

Mohd. Aslan

**Budget Details: Total Consolidated Budget of All Sub- projects and Institutions (Rs in lakhs):**

Name of Sub-Project	Non-Rec.	Manpower	Consumables	Travel	Contingency	Overhead	TOTAL
<b>Component 1: SP- 1- ATREE Sikkim</b>	16.10	45.576	4.00	9.00	6.00	3.00	<b>83.676</b>
<b>SP- 2 Balipara Foundation</b>	13.65	42.84	4.00	9.00	6.00	3.00	<b>78.49</b>
SP-3 NERIST, AP	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SP- 4 Central Arunachal	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SP- 5 West Arunachal	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SP-6 Nagaland University , Nagaland	13.65	42.84	4.00	9.00	6.00	3.00	78.49
SP- 7 IBSD Manipur	13.65	42.84	4.00	9.00	6.00	3.00	78.49
SP-8 Mizoram Univ. Mizoram	13.65	42.84	4.00	9.00	6.00	3.00	78.49
SP-9, Tripura Univ. , Assam	13.65	42.84	4.00	9.00	6.00	3.00	78.49
SP-10 NEHU, Shillong	13.65	42.84	4.00	9.00	6.00	3.00	78.49
SP-11 - NBRI, Lucknow	5.00	43.416	6.00	9.00	6.00	3.00	72.416
SP- 12 -IBSD, Manipur	2.00	33.048	6.00	9.00	6.00	3.00	59.048
SP-13 ARI, Pune	2.00	27.00	6.00	9.00	6.00	3.00	53.00
SP-14 - IBSD, Imphal	1.50	27.00	6.00	9.00	6.00	3.00	52.5
SP-15 - ATREE, Bangalore	3.60	42.12	3.00	3.00	3.00	2.15	56.87
SP-16, RGU, Itanagar	10.10	35.64	6.00	9.00	6.00	3.00	69.74
SP-17 NEHU, Shillong	10.10	35.64	6.00	9.00	6.00	3.00	69.74
SP-18 - ATREE , Bangalore	36.10	42.12	9.00	9.00	6.00	3.00	105.22
SP-19 - ATREE , Bangalore	29.35	42.12	4.00	9.00	6.00	3.00	93.47
SP-20 - ATREE , Bangalore	6.10	26.784	0.00	6.00	3.00	3.00	44.884
<b>Component 2: SP -1: ILS</b>	40.13	38.016	20.00	3.00	3.00	3.00	<b>107.146</b>
SP-2: IBSD, Imphal	35.00	34.848	20.00	3.00	3.00	3.00	98.848
SP-3: CSIR-NBRI, Lucknow	29.11	38.016	20.00	3.00	3.00	3.00	96.126
SP-4: ATREE, Bangalore	10.00	24.336	13.10	3.00	1.50	1.50	53.436
<b>Component 3: SP -1: IBSD, Imphal</b>	10.00	34.992	30.00	9.00	3.00	3.00	<b>89.992</b>
SP-2: CSIR-NBRI, Lucknow	10.00	44.928	27.00	7.50	3.00	2.15	94.578
<b>Component 4: SP -1: -NBRI, Lucknow</b>	10.00	50.976	43.60	6.00	3.00	5.00	<b>118.576</b>
SP-2: NEIRST, AP	7.99	20.592	35.00	6.00	3.00	3.00	75.582
SP-3: IBSD, Imphal	10.00	20.592	34.15	6.00	3.00	3.00	76.742
SP-4: NEHU, Shillong	7.95	20.592	35.00	6.00	3.00	3.00	75.542
<b>Component 5: ATREE, Bangalore</b>	3.75	30.888	30.00	23.00	60.00	3.00	<b>150.638</b>
<b>Component 6: ATREE, Bangalore</b>	0.55	35.68243	1.50	6.00	3.00	3.00	<b>49.73243</b>
<b>Total</b>	<b>378.43</b>	<b>1051.96243</b>	<b>389.35</b>	<b>225.50</b>	<b>187.50</b>	<b>85.80</b>	<b>2318.54243</b>

Mold. Adler

Component wise Budget Breakup:-

**Component 1:-**

**Sub-project 1: Ashoka Trust for Research in Ecology and the Environment (ATREE)**

(Rs. In lakhs)

Heads	I Year	II Year	III Year	Total
Equipment	16.10	0.00	0.00	16.10
Manpower	14.928	14.928	15.72	45.576
Consumables	2.00	1.00	1.00	4.00
Travel	3.00	3.00	3.00	9.00
Contingency	2.00	2.00	2.00	6.00
Overhead	1.00	1.00	1.00	3.00
<b>TOTAL</b>	<b>39.028</b>	<b>21.928</b>	<b>22.72</b>	<b>83.676</b>

**Details of equipment:**

S.no	Name of the equipment	Sanctioned Cost (in lakhs)
1.	Data Loggers	1.10
2	Desktop computer	5.00
3.	Cameras (@ Rs. 30,000 * 2 Units )	0.60
4.	GPS (@ Rs. 20,000 * 2 Units )	0.40
5.	Stereomicroscope	6.00
6.	Minor Equipment (field gears & storage units etc)	3.00
	<b>Total</b>	<b>16.10</b>

**Details of Manpower:**

(Rs. in Lakhs)

Positions	No.	I Year	II Year	III Year	Total
<b>Research Associate</b> @ Rs. 38000/- + 30% HRA HRA for all three years.	One	5.928	5.928	5.928	17.784
<b>Junior Research Fellow</b> @ Rs. 25000/- + 30% HRA for 1 <sup>st</sup> and 2 <sup>nd</sup> year and	Two	6.60	6.60	7.392	20.592
<b>Senior Research Fellow</b> @ Rs. 28000/- + 30% HRA for 3 <sup>rd</sup> year. Strictly as per DST guidelines					
Field Asst. Rs.10000/- month	Two	2.40	2.40	2.40	7.20
<b>Total :</b>		<b>14.928</b>	<b>14.928</b>	<b>15.72</b>	<b>45.576</b>

*Emoluments of the research personnel (Junior Research Fellow/ Senior Research Fellow/ Research Associate/ Research Scientist etc.) shall be applicable only if educational qualification or eligibility criteria as per DST OM Nos. A.20020/11/97-IFD dated 31.03.2010 and A. 20020/11/97-IFD dated 22.09.2009 are met by the research personnel.*

*N. S. Arora*