



BCIL

BIOTECH CONSORTIUM INDIA LIMITED

5th Floor, Anuvrat Bhawan, 210, Deen Dayal Upadhyaya Marg, New Delhi-110002

CIN: U73100DL1990PLC041486 **Tel :** 2321 9064 - 67 **Fax :** 011- 2321 9063

Email : info.bcil@nic.in **Website :** http://www.bcil.nic.in

BCIL/NER-BPMC/2017/164

March 14, 2017

The Registrar,
Assam University,
Silchar-788011
Assam

Dear Sir/Madam,

Sub.: Release of grant to the implementing agency for the project entitled "Functional Genomics for Drought Tolerance in Assam Rice" under DBT's Program for the NE

As you may be kindly aware, the Department of Biotechnology (DBT), Government of India, has setup a North Eastern Region-Biotechnology Programme Management Cell (NER-BPMC) for promotion of Biotechnology in the North Eastern Region of India through Biotech Consortium India Limited (BCIL), a company promoted by the Department of Biotechnology.

We are happy to inform you that the above proposal submitted by your organization has been sanctioned by DBT. Please find enclosed herewith a copy of the Sanction Order No. BT/PR16530/NER/95/212/2015 dated January 19, 2017 of the DBT along with terms and conditions of the grant, format of UC/SE, format of asset acquired, format of memorandum of agreement, etc.

Our Accounts Division has transferred an amount of Rs. 15.55 lakhs as first year release towards implementation of the above project at your organization as per the following bank details:

Account Holder's Name: The Registrar, Assam University
Bank name and branch: Canara Bank, Silchar-788005, Assam
Account No: 3050101000285
IFSC code: CNRB0003050

We request you to please send the signed Memorandum of Agreement (MOA) which has to be executed on Rs. 100/- non-judicial stamp paper as per the format enclosed. You are also requested to send a signed copy of the terms and conditions of the grant. These signed documents may please be sent to **Dr. T. Madhan Mohan, Adviser, Department of Biotechnology (DBT), Block No. 2, 7th Floor, CGO Complex, Lodi Road, New Delhi-110003** within a month's time from the date of release of funds to your organization, latest by April 14, 2017.

Kindly acknowledge the receipt.

Thanking you,

Yours faithfully


(Vinod Kumar)
Manager

CC for kind information to:

- 1) The Vice Chancellor, Assam University, Silchar-788011, Assam
- 2) Prof. Sanjib Kumar Panda, Professor, Department of Life Science & Bioinformatics, Assam University, Silchar-788011, Assam



Administrative
(Application No: AGRI/2015/40)

File No. BT/PR16530/NER/95/212/2015
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
(NER-BPMC)

Block-2, 7th Floor,
CGO Complex, Lodhi Road
New Delhi-110003

Dated: 19 / 1 / 2017

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 "Functional Genomics for Drought Tolerance in Assam Rice" by Prof. Sanjib Kumar Panda, Assam University, Silchar, Assam and Dr. Neeti Sanan Mishra, International Centre for Genetic Engineering & Biotechnology (ICGEB), New Delhi at a total cost of ₹ 61.75 lakhs (Rupees Sixty One Lakhs and Seventy Five Thousand Only) for a period of three years on the terms and conditions detailed as under:

2.0 The Project:

2.1 Project Title: Functional Genomics for Drought Tolerance in Assam Rice

2.2 Project Investigators

**2.2.1 Principal Investigator:
(Parent Institute)**

Prof. Sanjib Kumar Panda
Professor
Department of Life Science & Bioinformatics
Assam University, Silchar-788011, Assam

**2.2.2 Principal Investigator:
(Collaborating Institute)**

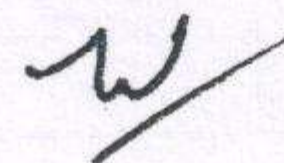
Dr. Neeti Sanan Mishra
Group Leader
Department of Plant RNAi Biology
International Centre for Genetic Engineering &
Biotechnology (ICGEB), Aruna Asaf Ali Marg,
New Delhi-110067.

2.3 Objectives:

1. Selection of drought stress sensitive and tolerant Rice of Assam –
2. Profiling the miRNAs in the drought sensitive and tolerant phenotyped Assam rice to identify drought-specific rice miRNA biomarkers
3. Expression profiling of the miRNA targets to identify the drought stress deregulated pathways
4. Functional validation of selected miRNAs

2.4 Time Schedule:

The duration of the project is **three years** from the date of issue of sanction order.



2.5 Equipment Details:

2.5.1 Assam University, Silchar, Assam

Sl. No.	Description of equipment	Grant Recommended (₹ in lakhs)
1	MUPID Gel Electrophoresis unit	0.55
2	Incubator Shaker Temperature controlled	1.99
3	Horizontal Laminar Flow cabinet	0.90
4	Computer Workstation for high-throughput data analysis	1.56
Total		5.00

2.5.2 International Centre for Genetic Engineering & Biotechnology (ICGEB), New Delhi

Sl. No.	Description of equipment	Grant Recommended (₹ in lakhs)
1.	Ice Flaking Machine	4.53
Total		4.53

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 21st July 2008.

2.6.1 Assam University, Silchar, Assam

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

2.6.2 International Centre for Genetic Engineering & Biotechnology (ICGEB), New Delhi
(₹ in lakhs)

S. No.	Position (No.)	Emolument	1 st Year	2 nd Year	3 rd Year	Total
1.	JRF/SRF (1)	JRF @ ₹ 25,000/- + 30 % HRA for the 1st & 2nd yr SRF @ ₹ 28,000/- + 30 % HRA for 3rd yr	3.90	3.90	4.37	12.17
Total			3.90	3.90	4.37	12.17

2.7 Budget Estimate:

The total cost of the project is ₹ 61.75 lakhs (Rupees Sixty One Lakhs and Seventy Five Thousand Only) as per budget summary given below:

2.7.1 Assam University, Silchar, Assam

Heads	1 st Year	2 nd Year	3 rd Year	Total
I. Non-Recurring (Equipments and accessories)	5.00	0.00	0.00	5.00
Sub Total- I	5.00	0.00	0.00	5.00
II. Recurring				
1. Manpower	3.30	3.30	3.70	10.30
2. Consumables	5.00	5.00	5.00	15.00
3. Travel	0.75	0.75	0.75	2.25
4. Contingency	0.50	0.50	0.50	1.50
5. Overhead charges	1.00	1.00	1.00	3.00
Sub Total- II (1-5)	10.55	10.55	10.95	32.05
GRAND TOTAL (I+II)	15.55	10.55	10.95	37.05

2.7.2 International Centre for Genetic Engineering & Biotechnology (ICGEB), New Delhi
(₹ in lakhs)

Heads	1 st Year	2 nd Year	3 rd Year	Total
I. Non-Recurring (Equipments and accessories)	4.53	0.00	0.00	4.53
Sub Total- I	4.53	0.00	0.00	4.53
II. Recurring				
1. Manpower	3.90	3.90	4.37	12.17
2. Consumables	2.00	3.00	2.00	7.00
3. Travel	0.20	0.20	0.20	0.60
4. Contingency	0.10	0.20	0.10	0.40
5. Overhead charges	0.00	0.00	0.00	0.00
Sub Total- II (1-5)	6.20	7.30	6.67	20.17
GRAND TOTAL (I+II)	10.73	7.30	6.67	24.70

- I. Grand total for 3 years (37.05 + 24.70) = ₹ 61.75 lakhs
II. Total for 1st year release (15.55 + 10.73) = ₹ 26.28 lakhs

2.8 Other Terms & Conditions:

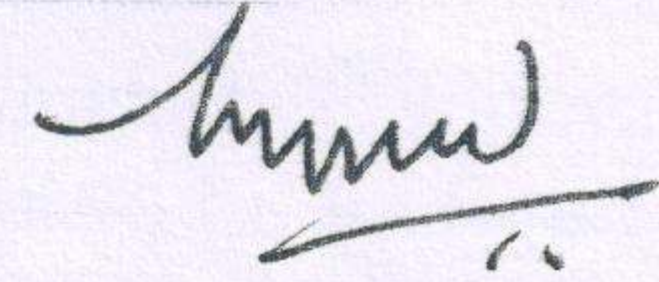
- 2.8.1 The other terms and conditions governing this sanction are attached at **Annexure-I**.
- 2.8.2 A Memorandum of Agreement (MoA) will be signed between the Department of Biotechnology and the grantee institute on a ₹ 100/- stamp paper in the format given at **Annexure II** and the subsequent releases 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/2122/2016-2017 Dated 22/08/2016.
- 2.10.1 This sanction order has been noted at Serial No..... in the Register of Grants.

2.10.2 The accounts of grantee institution shall be open to inspection by sanctioning auditory / audit.

3.0 M/S Biotech Consortium India Ltd (BCIL), Anuvrat Bhawan, 210, Deen Dayal Upadhyay Marg, New Delhi- 110002, is administrating the North Eastern Region Biotechnology Programme Management Cell (NER-BPMC) of the DBT.

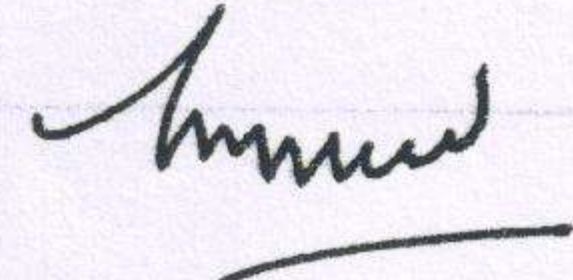


(Dr. T. Madhan Mohan)
Advisor, DBT

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

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 Registrar, Assam University, Silchar-788011, Assam.
6. The Vice Chancellor, Assam University, Silchar-788011, Assam.
7. The Director, International Centre for Genetic Engineering & Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi-110067.
8. Prof. Sanjib Kumar Panda, Professor, Department of Life Science & Bioinformatics, Assam University, Silchar-788011, Assam.
9. Dr. Neeti Sanan Mishra, Group Leader, Department of Plant RNAi Biology, International Centre for Genetic Engineering & Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi-110067.
10. Concern file.
11. The Managing Director, Biotech Consortium India Limited, (NER-BPMC), 5th Floor, Anuvart Bhawan, 210, Deen Dayal Upadhyay Marg, New Delhi- 110002.



(Dr. T. Madhan Mohan)
Advisor, DBT

Application No: AGRI/2015/40

File No. BT/PR16530/NER/95/212/2015
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
(NER-BPMC)

Block-2, 7th Floor,
CGO Complex, Lodhi Road
New Delhi-110003

Dated: 19/1/2017

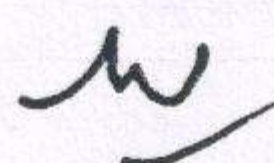
ORDER

In continuation of this department's sanction order of even number dated 19/1/2017, 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 ₹ 15.55 lakhs (Rupees Fifteen Lakhs and Fifty Five Thousand Only) to The Registrar, Assam University, Silchar, Assam for the implementation of the project under 'DBT's Twinning Program for the NE' titled "Functional Genomics for Drought Tolerance in Assam Rice" by Prof. Sanjib Kumar Panda, Assam University, Silchar, Assam and Dr. Neeti Sanan Mishra, International Centre for Genetic Engineering & Biotechnology (ICGEB), New Delhi, as per the details given below:

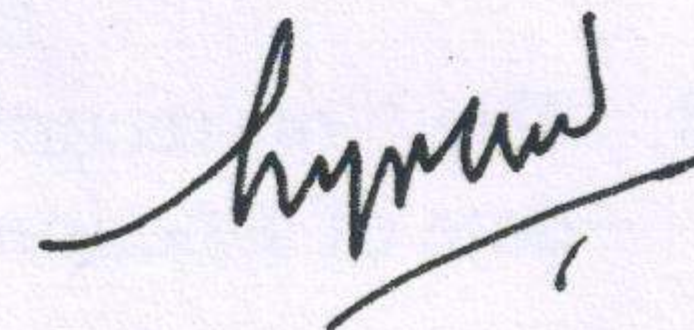
Heads	(₹ in lakhs) 1 st Year
I. Non-Recurring (Equipments and accessories)	5.00
Sub Total- I	5.00
II. Recurring	
1. Manpower	3.30
2. Consumables	5.00
3. Travel	0.75
4. Contingency	0.50
5. Overhead charges	1.00
Sub Total- II (1-5)	10.55
GRAND TOTAL (I+II)	15.55

(Rupees Fifteen Lakhs and Fifty Five 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. The account of the guarantee institution shall be open to inspection by the sanctioning authority/audit.



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 ₹ 15.55 lakhs (Rupees Fifteen Lakhs and Fifty Five Thousand Only), as referred in Para 1 above, in favor of "The Registrar, Assam University, Silchar-788011, Assam" 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/2122/2016-2017 Dated 22/08/2016.
7. This sanction order has been noted at Serial No. ^{SDD}..... 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.
11. **Additional Terms & Conditions for Twining R&D program for NER:**
 - 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.

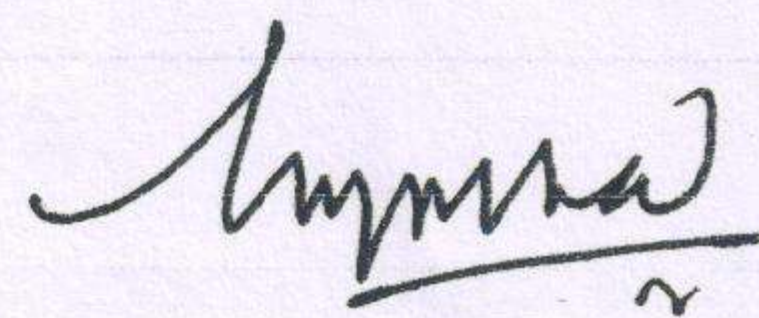


(Dr. T. Madhan Mohan)
Advisor, DBT

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

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7. Prof. Sanjib Kumar Panda, Professor, Department of Life Science & Bioinformatics, Assam University, Silchar-788011, Assam.
8. Concern File.
9. The Managing Director, Biotech Consortium India Limited, (NER-BPMC), 5th Floor, Anuvart Bhawan, 210, Deen Dayal Upadhyay Marg, New Delhi- 110002.



(Dr. T. Madhan Mohan)
Advisor, DBT