

Sl. No. C57

No. BT/PR28574/AAQ/3/920/2018
Government of India
Ministry of Science & Technology
Department of Biotechnology

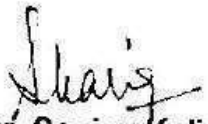
Block No. 2, 6th Floor,
CGO Complex, Lodi Road,
New Delhi - 110 003.

Dated: 24.06.2019

ADDENDUM

In partial modification of this Department's sanction order of even no. dated June 18, 2019, for the implementation of the project entitled "**Prebiotic feed supplement for growth improvement of Indian major carps, Labeo rohita, Cirrhinus mrigala and Catla catla under composite culture system: A gut microbiome and nutrigenomics based approach**", following names are being included as co-investigators in the project:

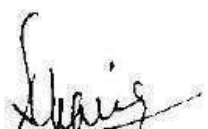
- I. **Dr. Arindom Chakraborty**, Assistant Professor, Department of Statistics, Siksha-Bhavana, Visva-Bharati University, Santiniketan-731235, West Bengal.
 - II. **Dr. Somasri Dam**, Assistant Professor, Department of Microbiology, The University of Burdwan, Bardhaman-713104, West Bengal.
2. The other terms and conditions of the sanction order remain unaltered.


(Dr. Sanjay Kalia)
Scientist-E

To
The Pay & Accounts Officer,
Department of Science & Technology,
New Delhi.

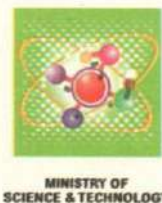
Copy forwarded for information/necessary action to:

1. The Director of Audit (CW & MII) IP Estate, AGCR Building, New Delhi -110 002.
2. Accounts Section, DST, New Mehrauli Road, New Delhi - 110 016.
3. Cash Section DBT (2 copies)
4. IFD, DBT
5. The Registrar, Burdwan University, Golapbag Campus, Bardhaman - 713104, West Bengal
6. The Registrar, Visva Bharati University, Santiniketan, Birbhum - 731235, West Bengal.
7. Dr. Bomba Dam, Assistant Professor, Microbiology Laboratory, Department of Botany, Siksha-Bhavana, Visva-Bharati University, Santiniketan, Birbhum - 731235, West Bengal.
8. Dr. Koushik Ghosh, Associate Professor, Department of Zoology, The University of Burdwan, Bardhaman - 713104, West Bengal.
9. Sanction Folder
10. Project Registry
11. Office copy


(Dr. Sanjay Kalia)
Scientist-E



सूचना का
अधिकार



MINISTRY OF
SCIENCE & TECHNOLOGY

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
बायोटेक्नोलॉजी विभाग
ब्लॉक-2,7 वां तल, सी० जी० ओ० कम्पलेक्स
लोदी रोड, नई दिल्ली-110003
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
Block-2, 7th Floor C.G.O. Complex
Lodi Road, New Delhi-110003

Dr. Arun Kumar Rawat
Advisor
Phone: 24369614 (O)
Email : akrawat.dbt@nic.in

BT/PR28574/AAQ/3/920/2018

Dated: 18.06.2019

Dear Dr. Dam,

I am pleased to convey the approval of this Department for the multi-centric project entitled "**Prebiotic feed supplement for growth improvement of Indian major carps, Labeo rohita, Cirrhinus mrigala and Catla catla under composite culture system: A gut microbiome and nutrigenomics based approach**". Please find enclosed sanction order of Rs. 91.4294 lakhs (Rs. 36.2612 lakhs for Burdwan University component and Rs. 55.1682 lakhs for Visva Bharati University component) and release of first installment of Rs. 33.9146 lakhs for your component (other formats required to be furnished to this Department from time to time has been sent to you through e-mail).

You are requested to go through the terms and conditions carefully and the date of sanction of the project is the starting date of the project. The first release of grant is being made with a condition that the **Memorandum of Agreement**, in Rs.100/- stamp paper, would be signed by the concerned party and returned back to the Department within three months for execution. Clearance of Animal Ethics committee or any other regulatory body may be obtained before initiating such work, if needed. A copy of clearance may also be submitted to the Department accordingly. The progress of the project should be reviewed by the group of investigators once in six months and DBT should be intimated in advance. The financial assistance provided for the project should exclusively be used for the specific purpose for which they are provided. This should be as per the approved budget for specific head and for a stipulated period only. **Approved equipment should be done as per provisions of GFR 2017 & manual of procurement of goods & services 2017** and balance available, if any, under Non-recurring head after completion of first year will be deducted while making second year release. **The manpower approved for the project should be appointed strictly as per guidelines.** This department neither will bear any over expenditure and any expenditure after the last date of the project nor any additionality will be provided. Unspent amount as on the last day of the project should be surrendered to DDO, DBT, New Delhi.

With kind regards,

Yours sincerely,

A.K. Rawat

(A.K. Rawat)

Dr. Bomba Dam,
Assistant Professor,
Microbiology Laboratory,
Department of Botany,
Siksha-Bhavana, Visva-Bharati University,
Santiniketan-731235, West Bengal



सूचना का
अधिकार



MINISTRY OF
SCIENCE & TECHNOLOGY

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
बायोटेक्नोलॉजी विभाग
ब्लॉक-2,7 वां तल, सी० जी० ओ० कम्पलेक्स
लोदी रोड, नई दिल्ली-110003
GOVERNMENT OF INDIA
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DEPARTMENT OF BIOTECHNOLOGY
Block-2, 7th Floor C.G.O. Complex
Lodi Road, New Delhi-110003

Dr. Arun Kumar Rawat
Advisor
Phone: 24369614 (O)
Email : akrawat.dbt@nic.in

BT/PR28574/AAQ/3/920/2018

Dated: 18.06.2019

Dear Dr. Ghosh,

I am pleased to convey the approval of this Department for the multi-centric project entitled "**Prebiotic feed supplement for growth improvement of Indian major carps, Labeo rohita, Cirrhinus mrigala and Catla catla under composite culture system: A gut microbiome and nutrigenomics based approach**". Please find enclosed sanction order of Rs. 91.4294 lakhs (Rs. 36.2612 lakhs for Burdwan University component and Rs. 55.1682 lakhs for Visva Bharati University component) and release of first installment of Rs. 20.5076 lakhs for your component (other formats required to be furnished to this Department from time to time has been sent to you through e-mail).

You are requested to go through the terms and conditions carefully and the date of sanction of the project is the starting date of the project. The first release of grant is being made with a condition that the **Memorandum of Agreement**, in Rs.100/- stamp paper, would be signed by the concerned party and returned back to the Department within three months for execution. Clearance of Animal Ethics committee or any other regulatory body may be obtained before initiating such work, if needed. A copy of clearance may also be submitted to the Department accordingly. The progress of the project should be reviewed by the group of investigators once in six months and DBT should be intimated in advance. The financial assistance provided for the project should exclusively be used for the specific purpose for which they are provided. This should be as per the approved budget for specific head and for a stipulated period only. **Approved equipment should be done as per provisions of GFR 2017 & manual of procurement of goods & services 2017** and balance available, if any, under Non-recurring head after completion of first year will be deducted while making second year release. **The manpower approved for the project should be appointed strictly as per guidelines.** This department neither will bear any over expenditure and any expenditure after the last date of the project nor any additionality will be provided. Unspent amount as on the last day of the project should be surrendered to DDO, DBT, New Delhi.

With kind regards,

Yours sincerely,

A.K. Rawat

(A.K. Rawat)

Dr. Koushik Ghosh,
Associate Professor,
Department of Zoology,
The University of Burdwan,
Bardhaman-713104, West Bengal

No. BT/PR28574/AAQ/3/920/2018
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

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

Dated: 18.06.2019

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 "**Prebiotic feed supplement for growth improvement of Indian major carps, Labeo rohita, Cirrhinus mrigala and Catla catla under composite culture system: A gut microbiome and nutrigenomics based approach**" for a period of 3 Year 0 Month at a total cost of Rs. **9142940** (Rupees Ninety One Lakhs Forty Two Thousand Nine Hundred and Forty Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : Prebiotic feed supplement for growth improvement of Indian major carps, Labeo rohita, Cirrhinus mrigala and Catla catla under composite culture system: A gut microbiome and nutrigenomics based approach.

2.2 Details of the Investigators:

Project Co-ordinator

Prof. Nimai Chandra Saha,
Vice-Chancellor, The University of Burdwan,
Bardhaman-713104, West Bengal

Principal Investigators:

Dr. Bomba Dam,
Assistant Professor,
Microbiology Laboratory,
Department of Botany,
SIKsha-Bhavana, Visva-Bharati,
Santiniketan-731235, West Bengal

Dr. Koushik Ghosh,
Associate Professor,
Department of Zoology,
The University of Burdwan,
Bardhaman-713104, West Bengal

2.3 Objectives:

Overall Objectives:

1. To select the most appropriate prebiotic feed supplement(s) for the three IMCs, Labeo rohita (rohu), Cirrhinus mrigala (mrigal) and Catla catla (catla) in monoculture by evaluation of their growth performance, feed utilization, metabolic, hematological and immunological parameters.



2. To evaluate nutrient-induced gene expression and metabolic activity in host tissues and gut microbiota particularly those related to carbohydrate metabolism
3. To determine the spatio-temporal variation of gut microbial population due to prebiotic treatment by culture-independent 16S rDNA amplicon sequencing
4. To culture the major gut microbial groups belonging to Firmicutes and Bacteroidetes using selective media and select likely probiotic candidates, preferably an anaerobe/facultative anaerobe capable of producing SCFA and estimate its effectiveness
5. To assess the abundance and diversity of short chain fatty acid producers, their functional genes, estimation of SCFAs and eventually establish them as molecular or metabolic marker for gut health
6. Field trial under polyculture to validate the effectiveness of the prebiotic/symbiotic formulations

Institute wise Objectives:

Burdwan University:

1. To select the most appropriate prebiotic feed supplement(s) for the three IMCs, Labeo rohita (rohu), Cirrhinus mrigala (mrigal) and Catla catla (catla) in monoculture by evaluation of their growth performance, feed utilization, metabolic, hematological and immunological parameters.
2. To evaluate nutrient induced metabolic activity in host tissues, particularly those related to carbohydrate metabolism.
3. To culture the major gut microbial groups belonging to Firmicutes and Bacteroidetes using selective media and select likely probiotic candidates, preferably an anaerobe/facultative anaerobe capable of producing SCFA and estimate its effectiveness.
4. Field trial under polyculture to validate the effectiveness of the prebiotic/symbiotic formulations.

Visva Bharati University:

1. To evaluate nutrient induced gene expression in host tissues, particularly those related to carbohydrate metabolism.
2. To determine the spatio-temporal variation of gut microbial population due to prebiotic treatment using both culture-independent 16S rDNA amplicon sequencing, and culture-dependent methods.
3. To assess the abundance and diversity of short chain fatty acid producers, their functional genes, estimation of SCFAs and eventually establish them as molecular or metabolic marker for gut health.

2.4 Time Schedule:

The duration of the project is 3 Year 0 Month from the date of this sanction order.

2.5 Project Cost:

The total cost of the project is Rs. **9142940/-** (Rupees Ninety One Lakhs Fourty Two Thousand Nine Hundred and Fourty Only) as per details given below:



Institute	Year I	Year II	Year III	Total Cost(Rs.)
1. Burdwan University	2050760	811760	763600	3626120
2. Visva Bharati University	3391460	1066760	1058600	5516820
Total (Rs.)	5442220	1878520	1822200	9142940

Institute wise details are:

Budget Head	Year I	Year II	Year III	Total(Rs.)
1. Visva Bharati University				
Equipment	2409700.00			2409700.00
Manpower	401760.00	401760.00	453600.00	1257120.00
Overhead	50000.00	50000.00	50000.00	150000.00
Travel		15000.00	25000.00	40000.00
Consumables	500000.00	570000.00	500000.00	1570000.00
Contingency	30000.00	30000.00	30000.00	90000.00
Total (Rs.)	3391460.00	1066760.00	1058600.00	5516820.00
2. Burdwan University				
Equipment	1029000.00			1029000.00
Manpower	401760.00	401760.00	453600.00	1257120.00
Overhead	50000.00	50000.00	50000.00	150000.00
Travel	20000.00	30000.00	30000.00	80000.00
Consumables	500000.00	300000.00	200000.00	1000000.00
Contingency	50000.00	30000.00	30000.00	110000.00
Total (Rs.)	2050760.00	811760.00	763600.00	3626120.00

2.6 Equipment

The details of the equipment sanctioned for the implementation of the project at
Annexure-I

2.7 Manpower:

The details of the manpower sanctioned for the implementation of the project at
Annexure-II

3. Head of Account:

The **Non-Recurring** expenditure involved is debitable to:

Demand No. 85	Department of Biotechnology
3425	Other Scientific Research 2019-2020
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.35	Grants for creation of capital assets

Shree

The **Recurring** expenditure involved is debitable to:

Demand No. 85	Department of Biotechnology
3425	Other Scientific Research 2019-2020
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.31	Grants -in-Aid General

4. Terms & Conditions:

- 4.1** The other terms and conditions governing this sanction are attached at Annexure- III.
- 4.2** A Memorandum of Agreement (MoA) will be signed between the Department of Biotechnology and the grantee institution on Non-Judicial stamp paper Rs. 100/- in the enclosed format and the second release/installment will be made only after signing of MoA between the grantee institutions and DBT. In case of NGO's and Private Institution's, execution of MOA is mandatory before first release. A format of the MoA is enclosed in Annexure-IV.
- 4.3** 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 Accounts.
- 5.** No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
- 6.** The Registrar, Burdwan University, Bardhaman, West Bengal and The Registrar, Visva Bharati University, Birbhum, West Bengal would be responsible for submission of Statements of Expenditure (SoE), utilization certificates (UC), Assets Certificates, Manpower staffing & expenditure details in prescribed DBT formats to DBT in respect of grants released in this project from time to time.
- 7.** PI's of DBT sponsored projects can consider appointment of JRF from Category-II merit list of DBT-BET exam so that candidates can be paid fellowships at par with NET/GATE/BET qualified candidates as per DST OM No. A.SR/S9/Z-09/2012 dated 21 Oct 2014. However, there is no compulsion on PI's to select candidates for JRF in their projects from Category-II of DBT-BET.
- 8.** As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organizations 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 Organizations is called upon to do so.
- 9.** If the Research Project involves biological resources, the obligations under the Biological Diversity Act 2002 as applicable shall be complied with by the Project Investigator, the details of such obligations can be accessed at www.nbaindia.org
- 10.** If this project works requires any Statutory Clearance (such as Ethical Committee Clearance, Informed Consent, Animal Ethics Committee Clearance, Institutional Bio-safety Committee Clearance, National Biodiversity Authority approval etc.), Project investigator(s) and Host Institution(s) shall compulsary comply the same before undertaking such activities.
- 11.** This issues, under the power delegated to this Department and with the concurrence of IFD vide their SAN No. **102/IFD/SAN/678/2019-20** dated **14.06.2019**
- 12.** This sanction order has been noted at serial no. 20 in the Register of Grants.


(Dr. Sanjay Kalia)
Scientist 'E'

To,

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

Copy to:

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110002.
- 2 Prof. Nimai Chanrda Saha (Project Coordinator), Vice-Chancellor, The University of Burdwan, Rajbati, Bardhaman-713104.
- 3 The Registrar, Burdwan University, Golapbag Campus, Bardhaman - 713104, West Bengal.
- 4 The Registrar, Visva Bharati University, Santiniketan, Birbhum - 731235, West Bengal.
- 5 Dr. Bomba Dam, Assistant Professor, Microbiology Laboratory, Department of Botany, SIKsha-Bhavana, Visva-Bharati University, Santiniketan - 731235, West Bengal.
- 6 Dr. Koushik Ghosh, Associate Professor, Department of Zoology, The University of Burdwan, Bardhaman - 713104, West Bengal.
- 7 Cash Section, DBT (2 copies).
- 8 Sanction Folder.
- 9 File Copy.


(Dr. Sanjay Kalia)
Scientist 'E'

Annexure -I

Details of the Equipment sanctioned for the implementation of the project entitled "**Prebiotic feed supplement for growth improvement of Indian major carps, Labeo rohita, Cirrhinus mrigala and Catla catla under composite culture system: A gut microbiome and nutrigenomics based approach**":

Visva Bharati University			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	Microplate microvolume spectrophotometer, BioTek	1	864600.00
2.	Computer Workstation, Dell	1	600000.00
3.	Bench-top high speed cooling centrifuge, Hermle	1	779600.00
4.	Horizontal gel electrophoresis unit with powerpack, Bio-Rad	1	115500.00
5.	Upright freezer, Vestfrost	1	50000.00
Total			2409700.00
Burdwan University			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	UV-VIS Spectrophotometer With Temperature Controlled Cuvette Holder, Hitachi	1	859000.00
2.	Vertical gel electrophoresis unit with power pack, Bio-Rad	1	120000.00
3.	Vertical freezer, Vestfrost	1	50000.00
Total			1029000.00


(Dr.Sanjay Kalia)
Scientist 'E'

Annexure -II

Details of the manpower sanctioned for the implementation of the project entitled "**Prebiotic feed supplement for growth improvement of Indian major carps, Labeo rohita, Cirrhinus mrigala and Catla catla under composite culture system: A gut microbiome and nutrigenomics based approach**":

Head	No. of Position	Year I	Year II	Year III	Total (Rs.)
1. Burdwan University					
JRF/SRF @ Rs. 31,000/-+8% HRA for 1st and 2nd and Rs. 35,000/-+8% HRA for 3rd year as per revised guidelines of DST/DBT and HRA given as per 7th CPC.	1	401760	401760	453600	1257121
Total(Rs.)		401760	401760	453600	1257120
2. Visva Bharati University					
JRF/SRF @ Rs. 31,000/-+8% HRA for 1st and 2nd and Rs. 35,000/-+8% HRA for 3rd year as per revised guidelines of DST/DBT and HRA given as per 7th CPC.	1	401760	401760	453600	1257121
Total(Rs.)		401760	401760	453600	1257120

Emoluments detail of research personal(s) mentioned in table(s) of Annexure-II shall be applicable only if candidate(s) met educational qualification and eligibility criteria as per DST OM No. SR/S9/Z-08/2018 dated January 30, 2019.



(Dr.Sanjay Kalia)
Scientist 'E'

No. BT/PR28574/AAQ/3/920/2018
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

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

Date: 18.06.2019

RELEASE ORDER

In continuation of this Department's sanction order of even number dated 18.06.2019 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **2003520.00** (Rupees Twenty Lakhs Three Thousand Five Hundred and Twenty Only) being the first year release for the project entitled **"Prebiotic feed supplement for growth improvement of Indian major carps, Labeo rohita, Cirrhinus mrigala and Catla catla under composite culture system: A gut microbiome and nutrigenomics based approach"**, being implemented by:

1. Dr. Bomba Dam, Assistant Professor, Microbiology Laboratory, Department of Botany, Siksha-Bhavana, Visva-Bharati University, Santiniketan - 731235, West Bengal.
2. Dr. Koushik Ghosh, Associate Professor, Department of Zoology, The University of Burdwan, Bardhaman - 713104, West Bengal.

The detailed break-up is as given below:

SN	Institute Name	Recurring						Total Release Amount (Rs)
		Manpower	Consumable	Travel	Contingency	Others	Overhead	
1	Burdwan University Bardhaman	401760.00	500000.00	20000.00	50000.00	0.00	50000.00	1021760.00
2	Visva Bharati University Birbhum	401760.00	500000.00	0.00000	30000.00	0.00	50000.00	981760.00

2. The amount of Rs. **2003520.00** /-(Rupees Twenty Lakhs Three Thousand Five Hundred and Twenty Only) will be directly credited by the Pay & Accounts Officer, DBT in the account as detailed below:

1. Rs. **981760.00/-** (Rupees Nine Lakhs Eighty One Thousand Seven Hundred and Sixty Only) to The Registrar, Visva Bharati University, Santiniketan, Birbhum - 731235, West Bengal

Bank Name :United Bank of India
Branch Name :Bolepur Branch (0826)
A/c No. :0826050001858
IFSC Code :UTBI0BOBC42
MICR Code :731027001

2. Rs. **1021760.00/-** (Rupees Ten Lakhs Twenty One Thousand Seven Hundred and Sixty Only) to The Registrar, Burdwan University, Golapbag Campus, Bardhaman - 713104, West Bengal

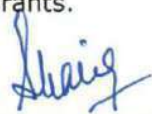


Bank Name : Bank of India
Branch Name : Burdwan Branch (004201)
A/c No. : 420110100019490
IFSC Code : BKID0004201
MICR Code : 713013102

3. The expenditure involved is debitable to:

Demand No. 85	Department of Biotechnology
3425	Other Scientific Research 2019-2020
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.31	Grants -in-Aid General

4. The Registrar, Visva Bharati University, Birbhum, West Bengal and The Registrar, Burdwan University, Bardhaman, West Bengal will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.
5. 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.
6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
7. 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 Utilisation 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 Accounts.
8. (a). 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.
The other terms and conditions governing the financial sanction will remain unaltered.
9. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **102/IFD/SAN/679/2019-20** dated **14.06.2019**
10. This sanction order has been noted at serial no. 21 in the Register of Grants.


(Dr. Sanjay Kalia)
Scientist 'E'

To,

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

Copy to:

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi-110002.
- 2 Prof. Nimai Chanrda Saha (Project Coordinator), Vice-Chancellor, The University of Burdwan, Rajbati, Bardhaman-713104.
- 3 The Registrar, Burdwan University, Golapbag Campus, Burdwan, Bardhaman - 713104, West Bengal.
- 4 The Registrar, Visva Bharati University, Santiniketan, Birbhum - 731235, West Bengal.
- 5 Dr. Bomba Dam, Assistant Professor, Microbiology Laboratory, Department of Botany, SIKsha-Bhavana, Visva-Bharati University, Santiniketan - 731235, West Bengal.
- 6 Dr. Koushik Ghosh, Associate Professor, Department of Zoology, The University of Burdwan, Bardhaman - 713104, West Bengal.
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(Dr. Sanjay Kalia)
Scientist 'E'

No. BT/PR28574/AAQ/3/920/2018
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

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

Date: 18.06.2019

RELEASE ORDER

In continuation of this Department's sanction order of even number dated 18.06.2019 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **3438700.00** (Rupees Thirty Four Lakhs Thirty Eight Thousand Seven Hundred Only) being the first year release for the project entitled "**Prebiotic feed supplement for growth improvement of Indian major carps, Labeo rohita, Cirrhinus mrigala and Catla catla under composite culture system: A gut microbiome and nutrigenomics based approach**", being implemented by:

1. Dr. Bomba Dam, Assistant Professor, Microbiology Laboratory, Department of Botany, Siksha-Bhavana, Visva-Bharati University, Santiniketan - 731235, West Bengal.
2. Dr. Koushik Ghosh, Associate Professor, Department of Zoology, The University of Burdwan, Bardhaman - 713104, West Bengal.

The detailed break-up is as given below:

SN	Institute Name	Non Recurring		Total Release Amount (Rs)
		Equipment	Other	
1	Burdwan University Bardhaman	1029000.00	0.00	1029000.00
2	Visva Bharati University Birbhum	2409700.00	0.00	2409700.00

2. The amount of Rs. **3438700.00** /-(Rupees Thirty Four Lakhs Thirty Eight Thousand Seven Hundred Only) will be directly credited by the Pay & Accounts Officer, DBT in the account as detailed below:

1. Rs. **2409700.00** /- (Rupees Twenty Four Lakhs Nine Thousand Seven Hundred Only) to The Registrar, Visva Bharati University, Santiniketan, Birbhum - 731235, West Bengal

Bank Name : United Bank of India
Branch Name: Bolepur Branch (0826)
A/c No. : 0826050001858
IFSC Code : UTBI0BOBC42
MICR Code : 731027001

2. Rs. **1029000.00** /- (Rupees Ten Lakhs Twenty Nine Thousand Only) to The Registrar, Burdwan University, Golapbag Campus, Bardhaman - 713104, West Bengal

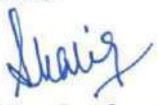
Bank Name : Bank of India
Branch Name: Burdwan Branch (004201)
A/c No. : 420110100019490
IFSC Code : BKID0004201
MICR Code : 713013102



3. The expenditure involved is debitable to:

Demand No. 85	Department of Biotechnology
3425	Other Scientific Research 2019-2020
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.35	Grants for creation of capital assets

4. The Registrar, Visva Bharati University, Birbhum, West Bengal and The Registrar, Burdwan University, Bardhaman, West Bengal will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.
5. 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.
6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
7. 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 Utilisation 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 Accounts.
8. (a). 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.
- (b.) Non-Recurring (Equipment) grant should be utilized within one year.
The other terms and conditions governing the financial sanction will remain unaltered.
9. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **102/IFD/SAN/680/2019-20** dated **14.06.2019**.
10. This sanction order has been noted at serial no. 20 in the Register of Grants.


(Dr. Sanjay Kalia)
Scientist 'E'

To,

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

Copy to:

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi-110002.
- 2 Prof. Nimai Chanrda Saha (Project Coordinator), Vice-Chancellor, The University of Burdwan, Rajbati, Bardhaman-713104.
- 3 The Registrar, Burdwan University, Golapbag Campus, Burdwan, Bardhaman - 713104, West Bengal.
- 4 The Registrar, Visva Bharati University, Santiniketan, Birbhum - 731235, West Bengal.
- 5 Dr. Bomba Dam, Assistant Professor, Microbiology Laboratory, Department of Botany, Siksha-Bhavana, Visva-Bharati University, Santiniketan - 731235, West Bengal.
- 6 Dr. Koushik Ghosh, Associate Professor, Department of Zoology, The University of Burdwan, Bardhaman - 713104, West Bengal.
- 7 Cash Section, DBT (2 copies).
- 8 Sanction Folder.
- 9 File Copy.



(Dr. Sanjay Kalia)
Scientist 'E'