

No. BT/RLF/Re-entry/37/2016
Government of India
Ministry of Science & Technology
Department of Biotechnology

Block No. 2, 6-8th Floors
CGO Complex, Lodi Road,
New Delhi - 110 003.

Dated: 2nd May, 2018.

ORDER

In continuation of this Department's sanction order of even number dated: 2nd May, 2018 sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Power Rules, 1978, for the release of an amount of **Rs. 21.10 lakhs (Rupees Twenty One Lakhs Ten Thousand only)** to The Registrar, Goa University, Taleigao Plateau Goa-403206 being the first installment of Ramalingaswami Re-entry Fellowship (2016-17) awarded to Dr. Dharmendra Kumar Tiwari, UGC- Assistant Professor, Biotechnology Department, Goa University, Taleigao Plateau Goa-403206 for the implementation of the project proposal entitled "**Photodynamic therapy using virus like nanoparticle (VLNP) based BRET nano-photosensitizer for non-invasive cancer treatment**" as per the details given below:-

Fellowship Amount

(Rs. in Lakhs)

S.No.	Head	Released Amount*
1.	Fellowship	10.20 @ Rs.85,000/ p.m (consolidated)
2.	Contingency/Research Grant	10.00
3.	HRA	0.90 Rs. 7,500/- p.m consolidated
	Total	21.10

* **The release is made under recurring heads**

- The other terms and conditions of the grant shall remain unaltered.
- The Accounts of the grantee institution shall be open to inspection by the sanctioning authority/ audit.
- It is certified that this being the first release no UC/SE pertaining to grants released under this programme is pending with the institute.
- a) If the host institute is providing free accommodation, no House Rent Allowance (HRA) is admissible 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 DBT. 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.
- The amount of **Rs. 21.10 lakhs (Rupees Twenty One Lakhs Ten Thousand only)** will be directly credited by PAO in the account as detailed below:-

The Registrar, Goa University, Taleigao Plateau Goa-403206

Bank Account Details

- Bank Name:
- Bank Account No.
- IFSC Code
- 9 digit MICR code

STATE BANK OF INDIA
10664493609
SBIN0004311
403002053

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 DBT. Excess recovery, if any, has to be made by the host institute directly from the fellow.

4. 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

5. 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.

6. **Budget Head**

The expenditure involved is debitable to

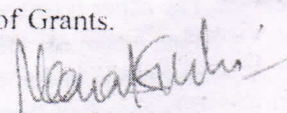
Demand No. 85	:	Department of Biotechnology
3425	:	Other Scientific Research (2018-2019)
3425.60	:	Other (Sub Major Head)
3425.60.200	:	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	:	Biotechnology Research and Development, Human Resource Development, Research Resources and Facilities
3425.60.200.29.17	:	Assistance for Research and Development
3425.60.200.29.17.31	:	Grants-in-aid General

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

8. The Registrar, Goa University Taleigao Plateau Goa requested to furnish to this Department 'Utilization Certificate' and an audited 'Statement of Expenditure' at the end of the year.

9. This issues under the powers delegated to this Department and with the concurrence of IFD vide their SAN No. 102/IFD/SAN/155/2018-19 dated:02-05-2018.

10. This sanction order has been noted at Serial No. 6 in the Register of Grants.

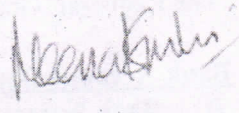

(Meenakshi Munshi)
Adviser/Scientist 'G'

To,

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, DBT (2 copies)
3. IFD, DBT
4. Dr. Dharmendra Kumar Tiwari, UGC- Assistant Professor, Biotechnology Department, Goa University, Taleigao Plateau Goa-403206
5. The Registrar, Goa University, Taleigao Plateau Goa-403206
6. Sanction Folder


(Meenakshi Munshi)
Adviser/Scientist 'G'

Dated: 2nd May, 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 "**Photodynamic therapy using virus like nanoparticle (VLNP) based BRET nano-photosensitizer for non-invasive cancer treatment.**" by Dr. Dhermendra Kumar Tiwari, UGC- Assistant Professor, Biotechnology Department, Goa University, Taleigao Plateau Goa-403206 at a total cost of Rs. 88.00 lakhs (Rupees Eighty eight Lakhs only) as a part of his Ramalingaswami Fellowship 2016-17 w.e.f. 1st March 2018 on the terms and conditions detailed as per under:-

2.0 The Project

2.1 Project Title: "**Photodynamic therapy using virus like nanoparticle (VLNP) based BRET nano-photosensitizer for non-invasive cancer treatment**".

2.2 Investigator

Name of the Awardee:

Dr. Dhermendra Kumar Tiwari
UGC- Assistant Professor
Biotechnology Department
Goa University,
Taleigao Plateau Goa-403206

Objectives

- i. Construction of genetically encoded (VLNP-Nanoluc-MiniSOG) photosensitizer
- ii. Expression, purification, performance verification of the photosensitizer.
- iii. In-vitro and in-vivo application of VLNP photosensitizer to photodynamic therapy of cancer.

2.3 Time Schedule

The duration of the fellowship is 5 years w.e.f. 1st March, 2018.

2.4 Fellowship Amount

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

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

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

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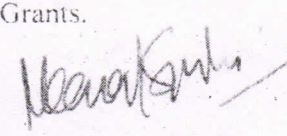
8. The Registrar, Goa University, Taleigao Plateau Goa-403206 will submit audited Utilisation Certificate and Statement of Expenditure in respect of the mentioned amount.
9. As per Rule 236 (1) of GFR, 2017, the Accounts of all grantee institution or Organisation shall be open to inspection by the sanctioning 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 Officer of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
10. 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.

11. **Budget Head**

The expenditure involved is debitable to

Demand No. 85	:	Department of Biotechnology
3425	:	Other Scientific Research (2018-2019)
3425.60	:	Other (Sub Major Head)
3425.60.200	:	Assistance to other Scientific Bodies (Minor Head)
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3425.60.200.29.17	:	Assistance for Research and Development
3425.60.200.29.17.31	:	Grants-in-aid General

12. This issue under the powers delegated to this Department and with the concurrence of IFD vides their **SAN No. 102/IFD/SAN/156/2018-19 dated:02-05-2018**.
13. This sanction has been noted at serial no. 6 in the Register of Grants.

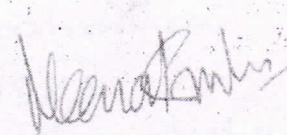

(Meenakshi Munshi)
Adviser/Scientist 'G'

To,

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, DBT (2 copies)
3. IFD, DBT
4. Dr. Dharmendra Kumar Tiwari, UGC- Assistant Professor, Biotechnology Department, Goa University, Taleigao Plateau Goa-403206
5. The Registrar, Goa University, Taleigao Plateau Goa-403206
6. Sanction Folder


(Meenakshi Munshi)
Adviser/Scientist 'G'

RDRM FORM A1

INFORMATION OF SANCTIONED PROJECT AND APPROVAL FOR IMPLEMENTATION
(REQUEST FOR VICE CHANCELLOR'S APPROVAL)

1. Project Title and sanction letter no.

Photodynamic therapy using virus-like nanoparticle (VLNP) based photosensitizer for non-invasive cancer treatment

2. Funding agency:

Department of Biotechnology

3. Department:

Biotechnology Department, Goa University

4. Principal Investigator:

Dr. Dharmendra Kumar Tiwari

5. Co-Investigator (if any):

NA

6. Duration of Project:

5 Year

7. Total amount of the project: Rs. 88Lakh (51 Lakh salary+ 32.5 Lakh Research grant/contingency+ 4.5 Lakh HRA)

8. Sanctioned Sub Heads and amount:

a) Manpower: Allowed from research grant but no fix amountb) Chemicals/Consumables: Allowed but no specific guidelinec) Contingency: Allowed but no specific guidelined) Travel: National and International travel allowed

e)

9. Overhead: Not applicable

10. Number and Designation of research staff:

Allowed but no specific guideline under the sanctioned grant. I want to hire Research Assistant/JRF under this grant.

11. Terms and Conditions

a) Dates of submission of Report : Jan 2017

b) Dates for submission of utilization certificate: NA

12. Yearwise break-up of sanctioned amount: (From Mar, 2018 to Feb, 2023)

1st year: Rs. 21.10 lakh2nd year: Rs. 18.60 lakh3rd year: Rs. 16.10 lakh4th year: Rs. 16.10 lakh5th year: Rs. 16.10 lakh

13. Plan of utilization of sanctioned grant over the year: (use additional sheet)

As per the term and conditions, grant will be used for purchase of consumables, minor equipment, international and domestic travel, engaging project staff and other contingent

expenditure to be incurred in connection with the implementation of the project. The sanctioned Ramalingaswami fund has no categorywise money fragmentation. I will hire one research assistant/JRF under this research grant and rest of the fund will be utilized for consumables, research travel, equipment etc. as per the Goa University rule.

Project Investigator:

Dr. Dharmendra Kumar Tiwari
UGC Asst. Prof.

Date: 30/8/2018

HOD

Sanitaherhan
30/8/18

Date 30/8/18

(FOR USE OF RDRM)

1. Project No. GU/RDRM/DBT/DKT/Biotech./09/2018-19

2. Overhead expenditure sanctioned: Rs. No

3. Mode of submission of utilization certificate (Half Yearly/ Yearly)

4. Details recorded in

a) Section III

b) Finance Office yes

c) RDRM yes

3/9

Gone through IBSC
Sanitaherhan
3/9/18

(FOR USE BY VICE CHANCELLOR)

Vice-Chancellor

Sanitaherhan

Date:

3/9/18

UTILISATION CERTIFICATE
(From 01 March 2019 to 31 March 2020)

(Rs. in lakhs)

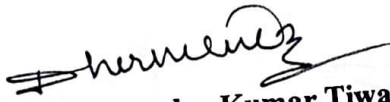
1. Title of the project/scheme: **Photodynamic therapy using virus-like nanoparticle (VLNP) based BRET photosensitizer for non-invasive cancer treatment**
2. Name of the Organization: **Goa University**
3. Principal Investigator: **Dr. Dharmendra Kumar Tiwari**
4. Dept. of Biotechnology sanction order No. & date of sanctioning the project: **No-BT/RLF/Re-entry/37/2016**
5. Amount brought forward from the previous financial year quoting DBT letter No. & date in which the authority to carry forward the said amount was given: **5,66,738.00**
6. Amount received from DBT during the financial year (Please give No. and dates of sanction orders showing the amounts paid) : **17,30,488.00**
7. Other receipts/interest earned, if any, on the DBT grants: **Rs. 20222.00**
8. Total amount that was available for expenditure during the financial year (Sl. nos. 5, 6 and 7): **Rs. 23,17,448.00**
9. Actual expenditure (excluding commitments) incurred during the financial year (statement of expenditure is enclosed): **Rs. 18,71,070.00**
10. Unspent balance refunded, if any (Please give details of cheque No. etc.) **Nil**
11. Balance amount available at the end of the financial year: **Rs. 4,26,156.00 + 20222.00 (Main fund + Interest) = 4,46,378.00**
12. Amount allowed to be carried forward to the next financial year vide letter No. & date: **NA**

1. Certified that the amount of **Rs. 18,71,070.00** mentioned against col. 9 has been utilized on the project / scheme for the purpose for which it was sanctioned and that the balance of **Rs. 4,46,378.00** (including interest) remaining unutilized at the end of the year will be adjusted towards the grants-in-aid payable during the next year.
2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled / are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

2

Kinds of checks exercised:

- 1.
- 2.
- 3.
- 4.
- 5.


Dr. Dharmendra Kumar Tiwari
(PROJECT INVESTIGATOR)
(Signed and stamped)


(FINANCE OFFICER)
(Signed and stamped)
Finance Officer
Goa University
Taleigao Plateau,
Goa - 403 206


Registrar, Goa University
(HEAD OF THE INSTITUTE)
(Signed and stamped)
Registrar
Goa University
Taleigao Plateau,
Goa - 403 206

Statement of Expenditure referred to in para 9 of the Utilization Certificate

Showing grants received from the Department of Biotechnology and the expenditure incurred during the period from 1st March 2019 to 31st March 2020.

(Rs. in lakhs)

Item	Unspent balance carried forward from previous year	Grants received from DBT during the year	Other receipts/ interest earned if any, on the DBT grants	Total of Col. (2+3+4)	Expenditure (excluding commitments) incurred during the year	Balance (5-6)	Remark
1	2	3	4	5	6	7	8
1. Fellowship	0	12		12	12	00	Carried forward interest of 0.48351 (lakh) is the part of the total available fund for year 2019-20
2. Contingency	5.18387	3.08488		8.26875	4.49070	4.26156**	
3. HRA	0	2.22		2.22	2.22	00	
4. Interest	0.48351 (from 2018-19)		0.20222* (Provide for item 1+2+3+4)	0.68573		0.20222	
Total	5.66738	17.30488	0.20222	23.17448	18.71070	4.46378	

* Interest for the year 2019-20.

**Including carried forward interest of Rs. 48351/- (from year 2018-2019 as in column-2)


Dr. Dharmendra Kumar Tiwari
(PROJECT INVESTIGATOR)


Registrar, Goa University
(HEAD OF THE INSTITUTE)

Registrar offg
Goa University
Taleigao Plateau,
Goa - 403 206


(FINANCE OFFICER)

Finance Officer
Goa University
Taleigao Plateau,
Goa - 403 206

UTILISATION CERTIFICATE

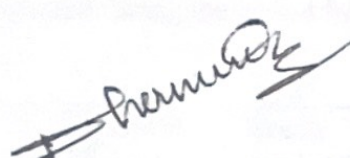
(From April 2020 to March 2021)


(Rs. in lakhs)

1. Title of the project/scheme: **Photodynamic therapy using virus-like nanoparticle (VLNP) based BRET photosensitizer for non-invasive cancer treatment**
 2. Name of the Organization: **Goa University**
 3. Principal Investigator: **Dr. Dharmendra Kumar Tiwari**
 4. Dept. of Biotechnology sanction order No. & date of sanctioning the project : **No. BT/RLF/Re-entry/37/2016**
 5. Amount brought forward from the previous financial year quoting DBT letter No. & date in which the authority to carry forward the said amount was given: **Rs. 426156.0**
 6. Amount received from DBT during the financial year
(Please give No. and dates of sanction orders showing the amounts paid) : **Rs. 1781027.0**
 7. Other receipts/interest earned, if any, on the DBT grants: **Rs. 11617.0**
 8. Total amount that was available for expenditure during the financial year (Sl. nos. 5, 6 and 7): **Rs. 2207183.0**
 9. Actual expenditure (excluding commitments) incurred during the financial year
(statement of expenditure is enclosed): **Rs. 2024934.0**
 10. Unspent balance refunded, if any (Please give details of cheque No. etc.)
 11. Balance amount available at the end of the financial year: **Rs. 182249.0**
 12. Amount allowed to be carried forward to the next financial year vide letter No. & date: **Nil**
-
1. Certified that the amount of **Rs. 2024934.0** mentioned against col. 9 has been utilized on the project / scheme for the purpose for which it was sanctioned and that the balance of **Rs. 182249.0** remaining unutilized at the end of the year will be adjusted towards the grants-in-aid payable during the next year.
 2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have, been duly fulfilled / are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

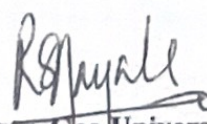
Kinds of checks exercised:

- 1.
- 2.
- 3.
- 4.
- 5.


Dr. Dharmendra Kumar Tiwari
(PROJECT INVESTIGATOR)
(Signed and stamped)


(FINANCE OFFICER)
(Signed and stamped)

Finance Officer
Goa University
Taleigao Plateau,
Goa - 403 206


Registrar, Goa University
(HEAD OF THE INSTITUTE)
(Signed and stamped)

Registrar
Goa University
Taleigao Plateau,
Goa - 403 206

Statement of Expenditure referred to in para 9 of the Utilization Certificate

Showing grants received from the Department of Biotechnology and the expenditure incurred during the period from Apr 2020 to March 2021.

(In lakh)

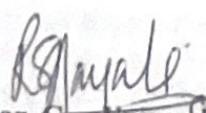
Item	Unspent balance carried forward from previous year	Grants received from DBT during the year	Other receipts/ interest earned if any, on the DBT grants	Total of Col. (2+3)	Expenditure (excluding commitments) incurred during the year	Balance (5-6)	Remarks
1	2	3	4	5	6	7	8
1. Fellowship	0	1200000.0		1200000.0	1200000.0	0	Interest refunded to Bharat Kosh
2. Contingency	426156.0 (Balance left 2019-20)	359027.0		785183.0	602934.0	182249.0	
3. HRA	0	222000.0		222000.0	222000.0	0	
Total :	426156.0	1781027.0	*11617.0	2207183.0	2024934.0	**182249.0	

* As per the current requirement of DBT, the interest amount Rs. 11617.0, will be directly refunded to BharatKosh.

**This amount is excluding interest earned Rs. 11617.0. As per the current requirement of DBT, the interest will be directly refunded to BharatKosh.


Dr. Dharmendra Kumar Tiwari
(PROJECT INVESTIGATOR)


(FINANCE OFFICER)


Registrar, Goa University
(HEAD OF THE INSTITUTE)

Finance Officer
Goa University
Taleigao Plateau,
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