

Dated: 27<sup>th</sup> March, 2019

**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 “**Multiscale Modeling of Complex Chemical and Biological Systems.**” by Dr. Subhendu Roy, Physical and Material Chemistry Division, National Chemical Laboratory (NCL), Dr. Homi Bhabha Road, Pune-411008 at a total cost of Rs. 113.60 lakhs (Rupees One Crore Thirteen Lakhs Sixty Thousand only) as a part of his **Ramalingaswami Fellowship 2017-18 w.e.f. 7<sup>th</sup> February, 2019** on the terms and conditions detailed as per under: -

**2.0 The Project**

**2.1 Project Title:** “**Multiscale Modeling of Complex Chemical and Biological Systems..**”

**2.2 Investigator**

**Name of the Awardee:**

**Dr. Subhendu Roy**

Physical and Material Chemistry Division  
National Chemical Laboratory (NCL),  
Dr. Homi Bhabha Road, Pune- 411008

**Objectives**

- i. Mechanisms and Origin of Enzymatic Catalysis.
- ii. Multiscale Modeling of Chemically Challenging Metalloenzymes.
- iii. Biological and Chemical Charge Transport (Electron and Proton Transport) Processes.
- iv. Computational Enzyme Design.

**2.3 Time Schedule**

The duration of the fellowship is 5 years w.e.f. 7<sup>th</sup> February, 2019.

**2.4 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.1,00,000/ p.m (consolidated)	12.00	12.00	12.00	12.00	12.00	60.00	
Research/Contingency grant	10.00	10.00	7.50	7.50	5.00	40.00	
HRA @ Rs. 18,500 p.m. consolidated	2.22	2.22	2.22	2.22	2.22	11.10	
Overheads Rs. 50,000/- per year	0.50	0.50	0.50	0.50	0.50	2.50	
<b>Total</b>	<b>24.72</b>	<b>24.72</b>	<b>22.22</b>	<b>22.22</b>	<b>19.72</b>	<b>113.60</b>	

**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.

*Subhendu Roy*



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.

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

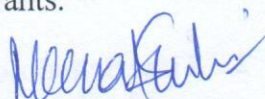
Demand No. 85	:	<b>Department of Biotechnology</b>
3425	:	Other Scientific Research (2018-2019)
3425.60	:	Other (Sub Major Head)
3425.60.200	:	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	:	Biotechnology Research and Development
3425.60.200.29.17	:	Assistance for Research and Development
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 Director, National Chemical Laboratory (NCL), Pune- 411008. 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/5500/2018-19 dated:27-03-2019.

10. This sanction order has been noted at Serial No. 229 in the Register of Grants.

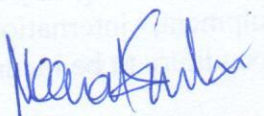
  
(Meenakshi Munshi)  
Adviser/Scientist 'G'

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. Subhendu Roy, Physical and Material Chemistry Division, National Chemical Laboratory (NCL), Dr. Homi Bhabha Road, Pune- 411008
5. The Director, National Chemical Laboratory (NCL), Pune- 411008
6. Sanction Folder

  
(Meenakshi Munshi)  
Adviser/Scientist 'G'



No. BT/RLF/Re-entry/39/2017  
Government of India  
Ministry of Science & Technology  
Department of Biotechnology

Block No. 2, 6-8<sup>th</sup> Floors  
CGO Complex, Lodi Road,  
New Delhi – 110 003.  
Dated: 27<sup>th</sup> March, 2019

**ORDER**

In continuation of this Department's sanction order of even number dated: 27<sup>th</sup> March, 2019 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. 24.72 lakhs (Rupees Twenty Four Lakhs Seventy Two Thousand only)** to The Director, National Chemical Laboratory (NCL), Pune-411008 being the first installment of Ramalingaswami Re-entry Fellowship (2017-18) awarded to Dr. Subhendu Roy, Physical and Material Chemistry Division, National Chemical Laboratory (NCL), Dr. Homi Bhabha Road, Pune- 411008 for the implementation of the project proposal entitled "**Multiscale Modeling of Complex Chemical and Biological Systems**" as per the details given below:-

**Fellowship Amount**

(Rs. in Lakhs)		
S.No.	Head	Released Amount*
1.	Fellowship	12.00 @ Rs.1,00,000/ p.m (consolidated)
2.	Contingency/Research Grant	10.00
3.	HRA	2.22 Rs. 18500/- p.m consolidated
4.	Overheads	0.50
	<b>Total</b>	<b>24.72</b>

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

2. The other terms and conditions of the grant shall remain unaltered.
3. The Accounts of the grantee institution shall be open to inspection by the sanctioning authority/ audit.
4. It is certified that this being the first release no UC/SE pertaining to grants released under this programme is pending with the institute.
5. 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.
6. 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.
7. The amount of **Rs. 24.72 lakhs (Rupees Twenty Four Lakhs Seventy Two Thousand only)** will be directly credited by PAO in the account as detailed below:-

**The Director, National Chemical Laboratory (NCL), Pune- 411008**


**A. Bank Account Details**

- |                        |   |                     |
|------------------------|---|---------------------|
| i) Bank Name           | : | State Bank of India |
| ii) Bank Account No.   | : | 30267257846         |
| iii) IFSC Code         | : | SBIN0003552         |
| iii) 9 digit MICR code | : | 411002012           |





8. The Director, National Chemical Laboratory (NCL), Pune- 411008 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. 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 instalment of the grant and or at the time of Final Settlement of Accounts.
12. **Budget Head**  
The expenditure involved is debitable to
- |                      |   |  |
|----------------------|---|--|
| Demand No. 85        | : | <b>Department of Biotechnology</b>                 |
| 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,            |
| 3425.60.200.29.17    | : | Assistance for Research and Development            |
| 3425.60.200.29.17.31 | : | Grants-in-aid General                              |
13. This issue under the powers delegated to this Department and with the concurrence of IFD vides their **SAN No. 102/IFD/SAN/5501/2018-19 dated:27-03-2019**.
14. This sanction has been noted at serial no. 229 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.
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4. Dr. Subhendu Roy, Physical and Material Chemistry Division, National Chemical Laboratory (NCL), Dr. Homi Bhabha Road, Pune- 411008
5. The Director, National Chemical Laboratory (NCL), Pune- 411008
6. Sanction Folder

  
(Meenakshi Munshi)  
Adviser/Scientist 'G'



Dated: 22<sup>nd</sup> July, 2019

**ORDER**

This is to convey the approval of the Department regarding change of host institute Dr. Subhendu Roy, Ramalingaswami Fellow from National Chemical Laboratory (NCL), Dr. Homi Bhabha Road, Pune- 411008 and allow the transfer of funds from National Chemical Laboratory (NCL), Dr. Homi Bhabha Road, Pune- 411008 to **Saha Institute of Nuclear Physics, Kolkata.**

2. The UC/SE for the grant released may be submitted till date and the balance grant may be transferred to **Saha Institute of Nuclear Physics, Kolkata** with immediate effect.
3. The consumable/ equipment (if any) purchased under the fellowship may also be transferred to **Saha Institute of Nuclear Physics, Kolkata.**
4. This issues with the approval of Competent Authority.

(Meenakshi Munshi)  
Adviser/Scientist 'G'

To,

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

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4. Dr. Subhendu Roy, Physical and Material Chemistry Division, National Chemical Laboratory (NCL), Dr. Homi Bhabha Road, Pune- 411008
5. The Director, Saha Institute of Nuclear Physics, Kolkata
6. The Director, National Chemical Laboratory (NCL), Pune- 411008
7. Sanction Folder

(Meenakshi Munshi)  
Adviser/Scientist 'G'