

No International  
Travel permissible  
SI No 5

Entered  
cyb 7/2/23

No. BT/PR23640/AGIII/103/1043/2018  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Dated:06/02/2019

**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 "**Global perspective of transcriptome, proteome and metabolome of root-knot nematode effectors conferring host specificity and host response to them during disease development**" for a period of 3 Year 0 Month at a total cost of Rs. **16465200** (Rupees One Crores Sixty Four Lakhs Sixty Five Thousand Two Hundred Only) on the terms and conditions detailed here under:-

**2 The Project :**

**2.1 Title :** Global perspective of transcriptome, proteome and metabolome of root-knot nematode effectors conferring host specificity and host response to them during disease development

**2.2 Details of the Investigators:**

**Project Cordinator**

**Dr. Uma Rao**

Principal Scientist, Department of Nematology  
Indian Agricultural Research Institute, New Delhi 110012

**Principal Investigators:**

**Dr. Uma Rao**

Principal Scientist, Department of Nematology  
Indian Agricultural Research Institute, New Delhi-110012

**Dr. Ashok Prabhakar Giri**

Principal Scientist  
Biochemical Sciences  
CSIR-National Chemical Laboratory  
Dr. Homi Bhabha Road  
Pune, Maharashtra-411008

**Prof. Manu Agarwal**

PI  
Department of Botany  
University of Delhi, North Campus,  
Delhi-110007

*Shankar*

## 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 2018-2019
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

The Recurring expenditure involved is debitable to:

Demand No. 85	Department of Biotechnology
3425	Other Scientific Research 2018-2019
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:

No Utilization Certificate is pending with the implementing Institute. All the Utilization certificate due for rendition have been received and accepted by the head of the Division/Competent Authority.


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 percent per annum thereon shall be recovered.  
The Non-recurring amount should be utilized within 18 months from the date of Sanction order.

If project involves transgenic work, IBSC clearance is required before initiating the study. A copy of the same should be forwarded to the department. Investigators should follow biocontainment guidelines 2017-2018 available at <http://www.dbtindia.nic.in/wp-content/uploads/Regulations-guidelines-for-Recombinant-DNA-Research-and-Biocontainment-2017.pdf>

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 Institutions, 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 Director, Indian Agricultural Research Institute, New Delhi, Delhi and The Director, National Chemical Laboratory, Pune, Maharashtra and The Registrar, University of Delhi, North Campus, Delhi, Delhi 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](http://www.nbaindia.org)
10. This issues, under the power delegated to this Department and with the concurrence of IFD vide their **SAN No.102/IFD/SAN/4314/2018-2019** dated **05/02/2019**.
11. This sanction order has been noted at serial no. 243 in the Register of Grants.

  
(Dr. Sanjay Kalia)  
Scientist 'E'