

No. BT/PR17852/BIC/101/1003/2016

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated:19.12.2017

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 entitled "**Molecular taxonomy and systematics of Trigonella and Melilotus (Fabaceae) germplasm resources**" for a period of 3 Year 0 Month at a total cost of Rs. **3509007** (Rupees Thirty Five Lakhs Nine Thousand and Seven Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : Molecular taxonomy and systematics of Trigonella and Melilotus (Fabaceae) germplasm resources

2.2 Details of the Investigators:

Dr. Rakhee Shyam Dangi

Department of Cell and Molecular
Biology
Rajiv Gandhi Institute of
Information technology and
Biotechnology, Pune, Maharashtra,
411046

CO-PI:

Dr. Suryaprakasa Rao

Visiting Faculty
Department of Biology
Indian Institute of Science Education and
Research (IISER), Pune - 411008, Maharashtra

Dr. Madhukar B Khetmalas

Professor,
Department of Biotechnology
Rajiv Gandhi Institute of Information Technology and Biotechnology, Pune

2.3 Objectives:

1. To resolve the taxonomy of species belonging to the T. emodi complex using molecular data.
2. To infer the interrelationships among Trigonella species belonging to section Falcatulae, Ellipticae and Foenum-graecum
3. To develop a species-level phylogeny for Melilotus utilizing molecular, cytological and morphological data sets to identify major lineages.
4. Writing of monograph

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. **3509007/-** (Rupees Thirty Five Lakhs Nine Thousand and Seven Only) as per details given below:

Budget Head	Year I	Year II	Year III	Total (Rs.)
Equipment	907207.00			907207.00
Manpower	510000.00	510000.00	556800.00	1576800.00
Contingency	25000.00	25000.00	25000.00	75000.00
Travel	75000.00	50000.00	25000.00	150000.00
Consumables	300000.00	300000.00	200000.00	800000.00
Total (Rs.)	1817207.00	885000.00	806800.00	3509007.00

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 2017-2018
3425.60	Others (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
3425.60.200.29.17.35	Grants for creation of capital assets

Govt

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

Demand No. 85	Department of Biotechnology
3425	Other Scientific Research 2017-2018
3425.60	Others (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

4. Terms & Conditions:

Considering the time bound nature of the project, the project will be monitored by the Task Force /Committee constituted by DBT. In addition, the PI will submit half yearly progress report as per format in Annexure-V

- 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 by the grantee institutions and its acceptance by DBT. In case of NGO or Private Institution, MOA signed is mandatory 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, Rajiv Gandhi Institute of Information technology and Biotechnology, Pune, Maharashtra 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 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 Organization is called upon to do so.
9. If the Research Project involves biological resource, 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

Jon

10. This issues under the power delegated to this Department and with the concurrence of IFD vide their SAN No. **102/IFD/SAN/3380/2017-2018** dated **December, 15 2017**.

11. This sanction order has been noted at serial no. 276 in the Register of Grants.



Dr. Suraksha S. Diwan
(Scientist 'D')

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- 110 002.
- 2 The Director, Rajiv Gandhi Institute of Information technology and Biotechnology, Pune - 411043, Maharashtra
- 3 Dr. Rakhee Shyam Dangri, Department of Cell and Molecular Biology, Rajiv Gandhi Institute of Information Technology and Biotechnology, Pune - 411046, Maharashtra
- 4 Dr. Suryaprakasa Rao, Visiting Faculty, Department of Biology, Indian Institute of Science Education and Research (IISER), Pune - 411008, Maharashtra
- 5 Dr. Madhukar B Khetmalas, Professor, Department of Biotechnology, Rajeev Gandhi Institute of Information Technology and Biotechnology, Pune
- 6 Cash Section, DBT (2 copies).
- 7 Sanction Folder.
- 8 File Copy.



Dr. Suraksha S. Diwan
(Scientist 'D')

Details of the Equipment sanctioned for the implementation of the project titled "**Molecular taxonomy and systematics of Trigonella and Melilotus (Fabaceae) germplasm resources**":

Rajiv Gandhi Institute of Information technology and Biotechnology, Pune			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	Eppendorf High speed cooling centrifuge 5804 R, Fixed-angle rotor F-34-6-38, 6 x 85 ml , Fixed-angle rotor F45-30-11 30 x 1.5/2 ml, Fixed-angle rotor 6x8/6x5- tube strips or 48 x 0.2 ml PCR tubes	1	611477.00
2.	BioEra's Electrophoresis Unit (Submarine Gel electrophoresis unit with power pack)	1	152834.00
3.	Olympus microscope RESEARCH MICROSCOPE (BINOCULAR VERSION) Make : OLYMPUS MODEL : CX41+ Camera	1	142896.00
Total			907207.00



Dr. Suraksha S. Diwan
(Scientist 'D')

Annexure -II

Details of the manpower sanctioned for the implementation of the project titled "**Molecular taxonomy and systematics of Trigonella and Melilotus (Fabaceae) germplasm resources**":

Head	No. of Position	Year I	Year II	Year III	Total (Rs.)
Junior Research Fellow JRF @ Rs.25000/- month 30% HRA	1	390000.00	390000.00		780000.00
Honorarium to the Scientist @ Rs. 10000/-per month consolidated	1	120000.00	120000.00	120000.00	360000.00
Senior Research Fellow SRF @ Rs. 28000/- per month 30% HRA	1			436800.00	436800.00
Total(Rs.)		510000.00	510000.00	556800.00	1576800.00

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-09/2012 dated 21.10.2014.



Dr. Suraksha S. Diwan
(Scientist 'D')