

21

No. BT/PR24927/NER/95/911/2017
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Appl. No. BMB/2017/30
Administrative Order

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 18/09/2019

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: "**Characterisation of DNA structural features and non B DNA structures in regulatory regions in prokaryotes: an insilico approach**" for a period of 3 Year 0 Month at a total cost of Rs. **4436784** (Rupees Forty Four Lakhs Thirty Six Thousand Seven Hundred and Eighty Four Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : "**Characterisation of DNA structural features and non B DNA structures in regulatory regions in prokaryotes: an insilico approach**"

2.2 Details of the Investigators:

Project Cordinator

Dr. Aditya Kumar
Assistant Professor
Molecular Biology and Biotechnology
Tezpur University
Room no 105, Department of Molecular Biology and Biotechnology
Tezpur university, Tezpur, Assam, 784028

Principal Investigators:

Dr. Aditya Kumar
Assistant Professor
Molecular Biology and Biotechnology
Tezpur University
Room no 105, Department of Molecular
Biology and Biotechnology
Tezpur University, Tezpur, Assam, 784028

Vaishali

सौ. वैशाली वज्रवंशी / Dr. VAISHALI VJRWANESI
वैज्ञानिक 'ई' / Scientist 'E'
मायोटेक्नोलॉजी विभाग / Dept. of Biotechnology
विज्ञान और प्रौद्योगिकी, मंत्रालय / Min. Science & Tech.
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

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Aditya Kumar

Prof. Manju Bansal
INSA Senior Scientist
Molecular Biophysics Unit
Indian Institute of Science,
Bangalore

2.3 Objectives:

Institute wise Objectives: Indian Institute of Science, Bangalore

1. Literature survey and extraction of promoter and TFBS sequences using published experimental data.
2. Classification of promoter sequences
3. Computation of DNA structural properties profile for promoter sequences.
4. Development of promoter prediction algorithm.
5. Analysis of gene regulatory networks.
6. Study of the evolution of promoter sequences.

Tezpur University

1. Literature survey and extraction of promoter and TFBS sequences using published experimental data.
2. Classification of promoter sequences.
3. Non B DNA structures prediction in regulatory regions.
4. Development of promoter prediction algorithm.
5. Web based resources development.
6. Analysis of DNA structural features of promoter regions and their role in gene expression.

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. 4436784/- (Rupees Forty Four Lakhs Thirty Six Thousand Seven Hundred and Eighty Four Only) as per details given below :

Vandana

श्री. वैशाली वानसाली / Dr. VANSHALI BANSAI
वैज्ञानिक 'ए' / Scientist 'E'
बायोटेक्नोलॉजी विभाग / Dept. of Biotechnology
मिशन और प्रोबो, भद्राचल / Mission & Probo,
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi



Institute	Year I	Year II	Year III	Total Cost (Rs.)
1. Indian Institute of Science, Bangalore	580992	480992	540800	1602784
2. Tezpur University	1659000	562000	613000	2834000
Total (Rs.)	2239992	1042992	1153800	4436784

Institute wise details are:

Budget Head	Year I	Year II	Year III	Total (Rs.)
1. Tezpur University				
Equipment	1052000.00			1052000.00
Manpower	402000.00	402000.00	453000.00	1257000.00
Overhead	30000.00	35000.00	35000.00	100000.00
Travel	50000.00	50000.00	50000.00	150000.00
Consumables	100000.00	50000.00	50000.00	200000.00
Contingency	25000.00	25000.00	25000.00	75000.00
Total (Rs.)	1659000.00	562000.00	613000.00	2834000.00
2. Indian Institute of Science, Bangalore				
Equipment	100000.00			100000.00
Manpower	460992.00	460992.00	520800.00	1442784.00
Overhead	20000.00	20000.00	20000.00	60000.00
Total (Rs.)	580992.00	480992.00	540800.00	1602784.00

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. 87	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

Vandana
 डॉ. विद्यालक्ष्मी / Dr. Vandana
 सहायिका / Assistant
 जैव प्रौद्योगिकी विभाग / Dept. of Biotechnology
 विज्ञान और प्रौद्योगिकी, मंत्रालय / Mo Science & Tech
 भारत सरकार, नई दिल्ली / Govt of India, N. Delhi

3

The Recurring expenditure involved is debitable to:

Demand No. 87	Department of Biotechnology
3428	Other Scientific Research 2019-2020
3428.60	Others (Sub Major Head)
3428.60.200	Assistance to other Scientific Bodies (Minor Head)
3428.60.200.29	Biotechnology Research and Development
3428.60.200.29.17	Assistance for Research and Development
3428.60.200.29.17.31	Grants -In-Aid General

4. Terms & Conditions:

Additional Terms and Conditions, specific for Twinning R and D program for NER
a. Both NER and Rest of India (RoI), Institutions scientists should work together for the objectives stated in the sanction of the project and any deviation from this would attract closure of the project at any point of time.

b. In the project review meetings, both the PIs from NER and RoI Institutions should participate and make presentation.

c. The outcomes of the project such as research papers, patents, copy rights etc. should be made jointly.

d. The NER Scientists are to be trained at the collaborating Institute appropriately to empower the NER Scientists.

e. The project personal such as Research Associate, JRF or SRF, Research Assistant are also to be trained at least once in the collaborating national Institute.

f. The collaborating Institute scientist should visit NER Institutions more frequently to guide NER scientists in design and conduct of experiments.

g. The Non-Recurring Items must be procured and installed within 18-months of the sanction of the project, failing which the PIs have to return the remaining/unutilized Non Recurring grant with 10% of Interest.

h. In case the amount of grant-in-aid is refunded, the whole or a part amount of the grant, with an interest at 10% per annum there on shall be recovered.

4.1 The other terms and conditions governing this sanction are attached at Annexure- III.

4.2A 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 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.

Vaidali

श्री. वैदाली शर्मा / श्री. वैदाली शर्मा
 सहायक सचिव / सचिव
 जीव विज्ञान विभाग / Dept. of Biotechnology
 भारत सरकार, प्रशासन / Administration & IPR
 एन. डी. डी. / Govt. of India, N. Delhi

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