

No. BT/PR20746/MED/29/1194/2016
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 13.12.2019

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 "**Designing and evaluation of point of care diagnostic assay for detection of MDR Tuberculosis using Loop mediated isothermal amplification combined with lateral flow dipstick**" for a period of **2 Year 0 Month** at a total cost of **Rs.7483280** (Rupees Seventy Four Lakhs Eighty Three Thousand Two Hundred and Eighty Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : "Designing and evaluation of point of care diagnostic assay for detection of MDR Tuberculosis using Loop mediated isothermal amplification combined with lateral flow dipstick"

2.2 Details of the Investigators:

Project Coordinator

Prof. Daman Saluja

Professor

Dr. B.R. Ambedkar Centre For Biomedical Research,
University of Delhi, Delhi -110007

Principal Investigators:

Prof. Daman Saluja

Professor

Dr. B.R. Ambedkar Centre For Biomedical Research,
University of Delhi, Delhi -110007

Dr. Manoj Nimesh

Asst. Professor

Department of Zoology

SGTB Khalsa College, University of
Delhi Campus, Delhi, Delhi, 110007

Prof. Deepthi Nair

Consultant and Professor

Department of Microbiology

VMMC & Safdarjung Hospital
New Delhi- 110029

2.3 Objectives:

Overall Objectives:

1. Development of LAMP assay for amplification and detection of hot spot region of rpoB gene
2. Development of lateral flow dipstick assay for easy visualization of mutations in rpoB gene
3. Determination of analytical sensitivity and specificity of the rpoB LAMP- LFD assay.

2.4 Time Schedule:

The duration of the project is **2 Year 0 Month** from the date of this sanction order.

2.5 Project Cost:

The **total cost** of the project is **Rs.7483280/-**(Rupees Seventy Four Lakhs Eighty Three Thousand Two Hundred and Eighty Only) as per details given below:

Institute	Year I	Year II	Total Cost(Rs.)
1. Dr. B.R. Ambedkar Centre for Biomedical Research, University of Delhi	1959360	1409360	3368720
2. SGTB Khalsa College, University of Delhi	1571280	971280	2542560
3. VMMC & Safdarjung Hospital	886000	686000	1572000
Total (Rs.)	4416640	3066640	7483280

Institute wise details are:

Budget Head	Year I	Year II	Total(Rs.)
1. Dr. B.R. Ambedkar Centre For Biomedical Research, University of Delhi			
Equipment	550000.00		550000.00
Manpower	699360.00	699360.00	1398720.00
Overhead	100000.00	100000.00	200000.00
Travel	5000.00	5000.00	10000.00
Consumables	600000.00	600000.00	1200000.00
Contingency	5000.00	5000.00	10000.00
Total (Rs.)	1959360.00	1409360.00	3368720.00
2. SGTB Khalsa College, University of Delhi			
Equipment	600000.00		600000.00
Manpower	461280.00	461280.00	922560.00
Overhead	100000.00	100000.00	200000.00
Travel	5000.00	5000.00	10000.00
Consumables	400000.00	400000.00	800000.00
Contingency	5000.00	5000.00	10000.00
Total (Rs.)	1571280.00	971280.00	2542560.00
3. VMMC & Safdarjung Hospital			
Equipment	200000.00		200000.00
Manpower	216000.00	216000.00	432000.00
Overhead	60000.00	60000.00	120000.00
Travel	5000.00	5000.00	10000.00
Consumables	400000.00	400000.00	800000.00
Contingency	5000.00	5000.00	10000.00
Total (Rs.)	886000.00	686000.00	1572000.00

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

The **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
3425.60.200.29.17.31	Grants -in-Aid General

4. Terms & Conditions:

In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest rate at the rate of ten percent thereon shall be recovered. The equipment sanctioned under the project should be purchased within 18 months from the date of the release of the grant.

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 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 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, **Dr. B.R. Ambedkar Centre for Biomedical Research**, University of Delhi, New Delhi, Delhi and The Medical Superintendent, **VMMC & Safdarjung Hospital**, New Delhi, Delhi and The Principal, **SGTB Khalsa College**, University of 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.

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-08/2018 dated 30 Jan 2019. However, there is no compulsion on PI's to select candidates for JRF in their projects from Category-II of DBT-BET.

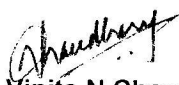
As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organizations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG (DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organizations is called upon to do so.

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

If this project works requires any Statutory Clearance (such as Ethical Committee Clearance, Informed Consent, Animal Ethics Committee Clearance, Institutional Bio-safety Committee Clearance, National Biodiversity Authority approval etc.), Project investigator(s) and Host Institution(s) shall compulsorily comply the same before undertaking such activities.

This issues under the powers delegated to this Department and with the concurrence of IFD and also Divisional Head Wide IFD order No. BT/04/2015-IFD dated 01.04.2019 and subsequently modified vide order of even number dated 10.05.2019. This has been noted in IFD at SAN No. 102/IFD/SAN/2078/2019-2020 dated 25.09.2019.

This sanction order has been noted at serial no.65 in the Register of Grants.



(Dr. Vinita N Chaudhary)
Scientist 'E'

श्री. विनिता नै. चौधरी
Dr. Vinita N Chaudhary
विज्ञान अधिकारी, एम्.एम.सी.ए.
एम्.एम.सी.ए. केन्द्र, जे.ए.ए.पी.ए.
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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 **Prof. Daman Saluja** (Project Coordinator & PI), Dr. B.R. Ambedkar Center for Biomedical Research University of Delhi -110007
- 3 The Director, Dr. B.R. Ambedkar Centre For Biomedical Research, University of Delhi ,New Delhi -110007
- 4 The Medical Superintendent, VMMC & Safdarjung Hospital, Safdarjung Hospital, New Delhi - 110029
- 5 The Principal, SGTB Khalsa College, University of Delhi, (North Campus), Mall Road, New Delhi, North Delhi - 110007, Delhi
- 6 **Dr. Manoj Nimesh**, Asst. Professor, Department of Zoology, SGTB Khalsa College, University of Delhi, North Campus, Delhi – 110007
- 7 **Prof. Deepthi Nair**, Consultant and Professor, Department of Microbiology, VMMC & Safdarjung Hospital, New Delhi- 110029
- 8 Cash Section, DBT (2 copies).
- 9 Sanction Folder.
- 10 File Copy.



(Dr. Vinita N Chaudhary)
Scientist 'E'

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एम्.एम.सी.ए. केन्द्र, जे.ए.ए.पी.ए.
एम्.एम.सी.ए. केन्द्र, जे.ए.ए.पी.ए.

Annexure -I

Details of the **Equipment** sanctioned for the implementation of the project entitled "**Designing and evaluation of point of care diagnostic assay for detection of MDR Tuberculosis using Loop mediated isothermal amplification combined with lateral flow dipstick**":

Dr. B.R. Ambedkar Centre For Biomedical Research, University of Delhi			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	Refrigerated Centrifuge	1	550000.00
Total			550000.00
SGTB Khalsa College, University of Delhi			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	Thermal Cycler	1	450000.00
2.	Small Equipments	1	150000.00
Total			600000.00
VMMC & Safdarjung Hospital			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	LED Fluorescent Microscope	1	105714.00
2.	Table top Highspeed Microfuge	1	94286.00
Total			200000.00


(Dr. Vinita N Chaudhary)
Scientist 'E'

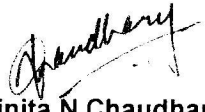
Dr. Vinita N Chaudhary
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Department of Biotechnology
Faculty of Life Sciences
University of Delhi

Annexure -II

Details of the **manpower** sanctioned for the implementation of the project entitled "**Designing and evaluation of point of care diagnostic assay for detection of MDR Tuberculosis using Loop mediated isothermal amplification combined with lateral flow dipstick**":

Head	No. of Position	Year I	Year II	Total (Rs.)
1. Dr. B.R. Ambedkar Centre for Biomedical Research, University of Delhi				
Research Associate @Rs. 47000/- per month + 24%HRA @58280/- per month as per DST OM dt. 30.01.2019	1	699360	699360	1398720
Total(Rs.)		699360	699360	1398720
2. SGTB Khalsa College, University of Delhi				
Junior Research Fellow, @Rs. 31000/- per months +24 % HRA=38440/- per months as per DST OM dt. 30.01.2019	1	461280	461280	922560
Total(Rs.)		461280	461280	922560
3. VMMC & Safdarjung Hospital				
Lab Technician @Rs. 18000 Per month	1	216000	216000	432000
Total(Rs.)		216000	216000	432000

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-08/2018 dated 30.01.2019 for JRF/SRF/RA and OM No. SR/S9/Z-05/2019 dated 21.08.2019 for all other categories.


(Dr. Vinita N Chaudhary)
Scientist 'E'

डॉ. विनीता निधि चौधरी
 Dr. Vinita Nalin Chaudhary
 संयुक्त निदेशक/वैज्ञानिक 'E'
 Joint Director/Scientist 'E'
 बायोटेक्नोलॉजी विभाग, IISBT of Biotechnology
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 संयुक्त संस्थान, पटना-801 315, Bihar, India