# No. BT/INF/22/SP26900/2018

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors CGO Complex, Lodhi Road, New Delhi- 110 003 Dated: 30/08/2018

# 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: "Maintenance and Operation of the Biosafety Facility (level 3), for Tuberculosis research, located at UDSC Campus, New Delhi" for a period of 3 Year 0 Month at a total cost of Rs. 10315132 (Rupees One Crores Three Lakhs Fifteen Thousand One Hundred and Thirty Two Only) on the terms and conditions detailed here under:-

### 2 The Project:

2.1 Title:

"Maintenance and Operation of the Biosafety Facility (level 3), for Tuberculosis research, located at UDSC Campus, New Delhi"

# 2.2 Details of the Investigatiors:

Dr. Garima Khare

Assistant Professor Biochemistry University of Delhi, South Campus Room No. 103, Department of Biochemistry, B.K. Bachhawat Block, University of Delhi South Campus, Benito Juarez Road, New Delhi, New Delhi, Delhi, 110021

#### CO-PI:

Dr. Amita Gupta

Associate Professor
Biochemistry
University of Delhi, South Campus
Department of Biochemistry, B. K. Bachhawat
Block, University of Delhi South Campus,
Benito Juarez Road, New Delhi, South Delhi 110021, Delhi

**Prof. Vijay K Chaudhary** Professor and Director CIIDRET Biochemistry Delhi University, South Campus Department of Biochemistry, University of Delhi south campus, New Delhi, South West Delhi -110021, Delhi

# 2.3 Objectives:

- 1. The main objective of this proposal is to convert the UDSC-BSL3 facility, till now being funded by an independent research grant, into a national facility for Tuberculosis work involving virulent mycobacteria and aerosol challenge of experimental animal, which would be available to various TB investigators across the country thereby benefiting and providing advancement to TB research.
- 2. To ensure a continuous long-term maintenance of UDSC-BSL3 in a fully functional manner that would in turn assure an uninterrupted access of the facility for mycobacterial research to various TB related research labs in the country.
- 3. To provide services to use the UDSC-BSL3 containment facility to various TB investigators across the country for carrying out in vitro work and tissue culture work
- 4. To provide services to use the animal holding room and the aerosol challenge facility located in the UDSC-BSL3 facility to various TB investigators across the country for carrying out infection studies in animal models.
- 5. To provide services in project mode to various private companies for the following research proposals:
  - Generation of mycobacterial mutants
  - Evaluation of candidate drugs for the inhibition of M. tuberculosis in vitro, intraphagosomal and in animal models
  - Evaluation of the protective efficacy of candidate vaccines in guinea pig and mice model of experimental tuberculosis
- 6. To provide hands on training opportunities to various academic and private labs (faculties/students/scientists) for the development of skilled and quality manpower to work in containment facilities using pathogenic M. tuberculosis.

# 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. 10315132/-(Rupees One Crores Three Lakhs Fifteen Thousand One Hundred and Thirty Two Only) as per details given below:

Budget Head	Year I	Year II	Year III	Total(Rs.)
Manpower	756000.00	778680.00	133680.00	1668360.00
Overhead	445172.00	454165.00	40369.00	939706.00
Contingency	50000.00	50000.00	10000.00	110000.00
Travel	50000.00	50000.00		100000.00
Operation and Maintenance of BSL3 Facility	3595722.00	3646651.00	254693.00	7497066.00
Total (Rs.)	4896894.00	4979496.00	438742.00	10315132.00

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 **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:

In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest thereon as per Govt. of India shall be recovered.

- 7.2. It is mandatory to acknowledge financial support provided by DBT via inclusion of Reference/Grant number, Name of the Department (i.e. DBT) and the duration of the financial support including the dates in acknowledgement section of publications/patents/technology transfer documents vide notification no. DBT/PCAH/Gen/01 dated 7th June 2012.
- 7.3. It is obligatory to assess/observe the biosafety compliance for rDNA activities to be performed by institutions and investigators for the proposals submitted to DBT for financial support as per the notification vide no. BT/BS/17/459/2011-PID dated 26thSeptember 2012.
- 7.4. As per the Ministry of Finance OM. No. C-13015(34)/MF CGA/PFMS/Misc/2014-15/2095-2127 dated 03.03.2015 all transaction involving cash component has to be made through Public Financial Management System (PFMS) w.e. 01.04.2015 to each beneficiary.
- 7.5. No Utilization Certificate is pending with the implementing Institute. All the Utilization Certificates due for rendition have been received and accepted by the head of Division/Competent Authority.
- 7.6. The Institution/Organization agrees to make reservations for Scheduled Castes and Scheduled Tribes or OBC in the posts or services under its control on the lines indicated by the Government of India.
- 7.7. As per Rule (233) of GFR2017, (ownership in physical and intellectual assets created through funds shall vest in the sponsor).
- 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
- 4.3The 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.
- **5.**No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
- **6.**The Prof. Umesh Rai, University of Delhi, South Campus, South 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 on 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 Organisations 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 Organisation 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
- 10. This issues under the power delegated to this Department and with the concurrence of IFD vide their SAN No. 102/IFD/SAN/1852/2018-2019 dated August, 29 2018.
- 11. This sanction order has been noted at serial no.09 in the Register of Grants.

(Dr. Garima Gupta)

To, The Pay & Accounts Officer, Department of Biotechnology, New Delhi – 110 003. Copy to:

- The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002.
- The Prof. Umesh Rai, University of Delhi, South Campus, New Delhi, Delhi 110021, South Delhi 110021, Delhi
- Dr. Amita Gupta, Associate Professor, Biochemistry, University of Delhi, South Campus, Department of Biochemistry, B. K. Bachhawat Block, University of Delhi South Campus, Benito Juarez Road, New Delhi, South Delhi 110021, Delhi
- Dr. Garima Khare, Assistant Professor, Biochemistry, University of Delhi, South Campus, Room No. 103, Department of Biochemistry, B.K. Bachhawat Block, University of Delhi South Campus, Benito Juarez Road, New Delhi, New Delhi 110021, Delhi
- Prof. Vijay K Chaudhary, Professor and Director CIIDRET, Biochemistry, Delhi University, South Campus, Department of Biochemistry, University of Delhi south campus, New Delhi, South West Delhi 110021, Delhi
- 6 Cash Section, DBT (2 copies).
- 7 Sanction Folder.
- 8 File Copy.

(Dr. Garima Gupta) Scientist 'E'

Annexure -II

Details of the manpower sanctioned for the implemention of the project titled "Maintenance and Operation of the Biosafety Facility (level 3), for Tuberculosis research, located at UDSC Campus, New Delhi":

Head	No. of Position	Year I	Year II	Year III	Total (Rs.)
Other1 Laboratory Attendent @19000/- pm	2	456000.00			456000.00
Other1 Laboratory Attendent @19570/- pm	2		469680.00		469680.00
Other1 Laboratory Attendent @20157/- pm only for two month	2			80640.00	80640.00
Technical Assistant @Rs25000/-	1	300000.00			300000.00
Technical Assistant @Rs25750/pm	1		309000.00		309000.00
Technical Assistant @Rs26522/pm only for two month	1			53040.00	53040.00
Total(Rs.)		756000.00	778680.00	133680.00	1668360.00

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. Garima Gupta) Scientist 'E' Break up details of recurring Others:

S. No.	Name of the equipment	Amount Rs. In Lakh
01	OMC of BSL-3 and ABSL-3 Facility	52.51
02	AMC for NAT STEEL Sterilizer (wall autoclave)	0.97909
03	AMC for IVC system (caging system for animals)	4.12348
04	AMC for NBS shaker 1	0.82600
05	AMC for NBS shaker 2	0.82600
06	AMC for NuAir CO2 incubator	0.60062
07	AMC for ESCO Biosafety hoods (three)	0.82010
08	CMC for Vinitec Servo stabilizer	0.77153
)9	AMC for N-Biotek small shaker Spectrometer	0.40120
10	AMC for Sigma Centrifuge	0.55460
1	AMC for deep freezer 1 Thermo	0.89627
2	AMC for days for 2.75	
3	AMC for deep freezer 2 Thermo  AMC for Heraeus fresco 21 table top centrifuge	0.89627 0.73332
4	AMC for Thermo Co2 Incubator 1	0.73332
5	AMC for Thermo Co2 Incubator 2	0.73332
6	AMC for GlassCol Aerosol inhalation Exposure system	0.91892
7	AMC for Cummins DG set	0.60892
8	AMC for FACS	3.09160
	AMC for Agilent fluorescence spectrometer	2.06999
).	AMC for 30Kva UPS (Easton)	1.33370

21	AMC for ION Exchange RO Plant		0.54240	
		Total	74.97066	

Dr. Garima Gupta (Scientist 'E')

# No. BT/INF/22/SP26900/2018

GOVERNMENT OF INDIA MINISTRY OF SCIENCE & TECHNOLOGY DEPARTMENT OF BIOTECHNOLOGY

> Block 2, (6-8th Floors) CGO Complex, Lodhi Road, New Delhi- 110 003

> > Date: 30/08/2018

## RELEASE ORDER

In continuation of this Department's sanction order of even number dated Aug 29, 2018 sanction of the President is hereby accorded, under Rule18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. 4896894.00 (Rupees Fourty Eight Lakhs Ninety Six Thousand Eight Hundred and Ninety Four Only) being the first year release for the project entitled "Maintenance and Operation of the Biosafety Facility (level 3), for Tuberculosis research, located at UDSC Campus, New Delhi", being implemented by

Dr. Garima Khare, University of Delhi, South Campus, Room No. 103, Department of Biochemistry, B.K. Bachhawat Block, University of Delhi South Campus, Benito Juarez Road, New Delhi, New Delhi - 110021, Delhi,

The detailed break-up is as given below:

SNo Institute Name			Recu	ırring			Total Release Amount (Rs)	
		Manpower	Consumable	Travel	Contingency	Others	Overhead	
1	University of Delhi, South Campus	756000.00	0.00	50000.00	50000.00	3595722.00	445172.00	4896894.00

2. The amount of Rs. 4896894.00 /-(Rupees Fourty Eight Lakhs Ninety Six Thousand Eight Hundred and Ninety Four Only) will be directly credited by the Pay & Accounts Officer, DBT in the account as detailed below:

The Prof. Umesh Rai, University of Delhi, South Campus, New Delhi, Delhi 110021, South Delhi - 110021, Delhi

Bank Name : State Bank of India

Branch Name: University of Delhi South Campus

: 10043546386 A/c No. IFSC Code : SBIN0008778 MICR Code : 110002175

3. The expenditure involved is debitable to:

Demand No. 85	Department of Biotechnology	
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. The Prof. Umesh Rai, University of Delhi, South Campus, South Delhi, Delhi will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.
- **5.** As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations 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 Organisation is called upon to do so.
- **6.** No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
- 7. 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 instalment of the grant and or at the time of Final Settlement of Accounts.
- 8. In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest thereon as per Govt. of India shall be recovered.
  - 7.2. It is mandatory to acknowledge financial support provided by DBT via inclusion of Reference/Grant number, Name of the Department (i.e. DBT) and the duration of the financial support including the dates in acknowledgement section of publications/patents/technology transfer documents vide notification no. DBT/PCAH/Gen/01 dated 7th June 2012.
  - 7.3. It is obligatory to assess/observe the biosafety compliance for rDNA activities to be performed by institutions and investigators for the proposals submitted to DBT for financial support as per the notification vide no. BT/BS/17/459/2011-PID dated 26thSeptember 2012.
  - 7.4. As per the Ministry of Finance OM. No. C-13015(34)/MF CGA/PFMS/Misc/2014-15/2095-2127 dated 03.03.2015 all transaction involving cash component has to be made through Public Financial Management System (PFMS) w.e. 01.04.2015 to each beneficiary.
  - 7.5. No Utilization Certificate is pending with the implementing Institute. All the Utilization Certificates due for rendition have been received and accepted by the head of Division/Competent Authority.
  - 7.6. The Institution/Organization agrees to make reservations for Scheduled Castes and Scheduled Tribes or OBC in the posts or services under its control on the lines indicated by the Government of India.
  - 7.7. As per Rule (233) of GFR2017, (ownership in physical and intellectual assets created through funds shall vest in the sponsor).
  - The other terms and conditions governing the financial sanction will remain unaltered.
- This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. 102/IFD/SAN/1853/2018-2019 dated August, 29 2018.

10. This sanction order has been noted at serial no. 10 in the Register of Grants.

(Dr. Garima Gupta) Scientist 'E'

#### To,

The Pay & Accounts Officer, Department of Biotechnology, New Delhi – 110 003.

# Copy to:

- The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi- 110 002.
- The Prof. Umesh Rai, University of Delhi, South Campus, New Delhi, Delhi 110021, South Delhi 110021, Delhi
- Dr. Garima Khare, Assistant Professor, Biochemistry, University of Delhi, South Campus, Room No. 103, Department of Biochemistry, B.K. Bachhawat Block, University of Delhi South Campus, Benito Juarez Road, New Delhi, New Delhi 110021, Delhi
- 4 Cash Section, DBT (2 copies).
- 5 Sanction Folder.
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(Dr. Garima Gupta) Scientist 'E'

Annexure -I

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Other1 Laboratory Attendent @20157/- pm only for two month	2			80640.00	80640.00
Technical Assistant @Rs25000/-	1	300000.00			300000.00
Technical Assistant @Rs25750/pm	1		309000.00	376.55	309000.00
Technical Assistant @Rs26522/pm only for two month	1			53040.00	53040.00
Total(Rs.)		756000.00	778680.00	133680.00	1668360.00

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. Garima Gupta)

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)4	AMC for NBS shaker 1	0.82600
05	AMC for NBS shaker 2	0.82600
06	AMC for NuAir CO2 incubator	0.60062
07	AMC for ESCO Biosafety hoods (three)	0.82010
08	CMC for Vinitec Servo stabilizer	0.77153
09	AMC for N-Biotek small shaker Spectrometer	0.40120
10	AMC for Sigma Centrifuge	0.55460
11	AMC for deep freezer 1 Thermo	0.89627
12	AMC for deep freezer 2 Thermo	0.89627
13	AMC for Heraeus fresco 21 table top centrifuge	0.73332
14	AMC for Thermo Co2 Incubator 1	0.73332
15	AMC for Thermo Co2 Incubator 2	0.73332
16	AMC for Class Call Assessal inhalation European system	0.91892
17	AMC for GlassCol Aerosol inhalation Exposure system  AMC for Cummins DG set	0.60892
18	AMC for FACS	3.09160
19	AMC for Agilent fluorescence spectrometer	2.06999

20.	AMC for 30Kva UPS (Easton)	1.33370
21	AMC for ION Exchange RO Plant	0.54240
	Total	74.97066

Dr. Garima Gupta (Scientist 'E')



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037-SCIENCE AND TECHNOLOGY Controller:

Sanction Approved

Sanction

30/08/2018 Sanction Date:

Number:

BT/INf/22/SP26900/2018

Sanction Type:

Transfer (DDO Bill)

Sanction

4896894

IFD Date:

29/08/2018

IFD Number:

0150-Biotechnology Research and Development

1853

059241-PAO Biotechnology)

DDO:

Scheme:

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#### **Account Details:**

Grant	Department (For UT Grants Only)	Function Head	Object Head	Category	Amount	PAO PAO	Available Budget
085 - Department of Biotechnology		3425602002917 - ASSISTANCE FOR RESEARCH & DEVELOPMENT	31 - GRANTS- IN-AID GENERAL	5 - VOIED	4896894		6385921836

Agency	Bank Account No	Amount	Instrument Type
University of Delhi South campus	10043546738 - UNIV OF DELHI SOUTI ▼	4,896,894.00	® RTGS

ePayment Details

UNION BANK OF INDIA ▼ Amount 4896894 Not Payable Accredited Bank Before: \* Required Payee Remarks Amount Party Account IFSC Code Party Name No 4896894 10043546386 The Director, Unive SBIN0008778

Note: If the IFSC Code is not automatically shown it means bank A/C is not validated. If payment process is urgent please key in the IFSC Code and process payment. Please ensure IFSC Code is correct.