

NO. SB/YS/LS-155/2014

SCIENCE & ENGINEERING RESEARCH BOARD

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-5, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 25 May, 2015

ORDER

Subject: Financial Sanction of the research project titled “Telomeres and telomerase activity in adaptation towards hypobaric hypoxia” under the guidance of **Dr.(Ms.) Arpana Vibhuti, Deptt. of Biotechnology, SRM University, 39, Rajeev Gandhi Education City, P.S.Rai(PO), Sonapat-131029, Haryana.**

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned project at a total cost of **Rs. 29,29,000/- (Rs. Twenty Nine Lakh Twenty Nine Thousand Only)** with break-up of **Rs. 7,00,000/- under Non-Recurring** and **Rs. 22,29,000/- under Recurring** for a duration of three years. The items of expenditure for which the total allocation of **Rs. 29,29,000/-** has been approved for a period of **three** years, are given below:

Sl. No	Head	Total(in Rs.) for 3 years
A	Non-Recurring	
1	Equipment Real Time PCR	7,00,000
A'	Total (Non-recurring)	7,00,000
B	Recurring	
1	Recurring-A (Manpower, Consumables, Travel, Contingencies (includes Analytical Charges))	19,29,000
2	Recurring– B (Overhead Charges)	3,00,000
B'	Total (Recurring)	22,29,000
C	Total cost of the project (A' + B') for 3 years	29,29,000

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 7,00,000/- (Rs.Seven Lakh Only)** under '**Non-Recurring**' and **Rs. 7,00,000/- (Rs.Seven Lakh Only)** under '**Recurring**' to the **SRM University Sonepat** being the grant for the year **2015-16** for implementation of the said research project.

3. The expenditure involved is debitable to

Fund for Science & Engineering Research (FSER)

This release is made under Start-Up Research Grant (Young Scientists)- Life Sciences.

4. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No.**SERB/F/623/2015-16 dated 23.05.2015.**

5. Sanction of the grant is subject to the conditions as detailed in guidelines available at www.serb.gov.in.

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

9. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship etc. beyond the duration of the project.

Contd...2/-

– 2 –

10. The total release amount of **Rs. 14,00,000/- (Rs.Fourteen Lakh Only)** will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their bank details given below:

Account Name	SRMIST
Account Number	102109000211600
Bank Name & Branch	City Union Bank, Karol Bagh, New Delhi
IFSC/RTGS Code	CIUB0000102

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) to the SERB for Recurring(Grants-in-aid General) & Non-Recurring(Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. The institute will maintain separate audited accounts for the project. It is found expedient to keep a part or whole of grant in a separate bank account earning interest. The interest earned should be reported to the SERB, New Delhi. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.

13. The sanctioned equipments would be procured as per GFR 2005 and its disposal would be done with prior approval of SERB.

14. The project File no. **SB/YS/LS-155/2014** may also be mentioned in all research communications arising from the above project with due acknowledgement of **SERB**.

15. As this is the first grant being released for the project, no previous U/C is required.

16. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring “**FUND FOR SCIENCE AND ENGINEERING RESEARCH**” payable at New Delhi.

(Dr. Pramod Kumar Prasad)

Scientist-C

To,

Finance & Budget Officer

SERB, New Delhi

Copy forwarded for information and necessary action to: -

1	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2	Sanction Folder, SERB, New Delhi.
3	File Copy
4	Dr.(Ms.) Arpana Vibhuti Deptt. of Biotechnology SRM University 39, Rajeev Gandhi Education City, P.S.Rai(PO), Sonapat-131029, Haryana Email : arpana_vibhuti@yahoo.co.in , arpanavibhuti@gmail.com (The grant transfer details along with Bank/RTGS transaction no. will be intimated to the above email. Start date of the project may be intimated by name to the undersigned. Please visit website www.serb.gov.in for all formats and guidelines etc.)
5	Vice Chancellor SRM University 39, Rajeev Gandhi Education City P.S.Rai(PO), Sonapat-131029 Haryana (Receipt of Grant may be intimated by name to the undersigned.)

(Dr. Pramod Kumar Prasad)

Scientist-C

Technology Bhavan
New Mehrauli Road
New Delhi- 110 016
Dated: 18.05.2016

ORDER

Subject "REGIONAL INNOVATION SCIENCE HUBS FOR Innovators"

Sanction of the President is accorded for the grant of Rs.16,83,880/- (Rupees Sixteen Lakh Eighty Three Thousand Eight hundred Eighty only) to SRM University Haryana, Sonapat for REGIONAL INNOVATION SCIENCE HUBS FOR Innovators" under the following budget head with an amount released Rs. 13,47,104.00 (Thirteen Lakhs Forty Seven Thousand One Hundred Four only). The budget details are as follow

Sr No	Item	Amount Sanctioned
A.	Non Recurring (Infrastructure)	
1	Library	
2	Laboratory/Workshop	1,00,000.00
	Total(A)	2,00,000.00
B	Recurring Expenditure	3,00,000.00
3	Fellowship for 25 students in 2 batches x 2 years	5,00,000.00
4	Project Staff (Project Scientist & Technician)	5,40,000.00
5	Honorarium to Expert and mentors	80,000.00
6	Travel Expenses	70,000.00
7	Advertisement Expenses	65,000.00
8	Contingency Exp., Stationery, Publication etc.	87,380.00
9	Overhead	47,500.00
	Total(B)	13,83,880.00
	Total(A + B)	16,83,880.00

2. The sanction of this grant is subject to the terms and conditions specified in the enclosed annexure. It is further subject to the following conditions:-
- The duration of the programme will be 2 years from the date of sanction of this project.
 - That any publicity material/invitation cards/banners/handouts/brochures etc., brought out and used during the course of the project will have a mention in bold letter "Catalysed and supported by NCSTC, DST, New Delhi."
 - As per rule 211(1) of GFRs, the accounts of all Grantee institution shall be open to inspection by the sanctioning authority/audit, whenever the institute is called upon to do so.
 - Feedback will be obtained from young scientists, guide teachers and judges. These will be analyzed and the forms along with their analyses will be sent as part of the completion report with critical analysis about the activity should be submitted along with the Progress Report.
 - Photographs of all supported events together with write up of the activities may be submitted as soon as the event is over.
3. The provision of GFR 212 (1) relating to Utilisation Certificates not applicable at this stage this being the first instalment.
4. It is mandatory to return one copy of the sanction with the following endorsement. The project with the above objectives, time frame, sanctioned cost and other conditions is



UGC-DAE Consortium for Scientific Research

(Formerly: Inter University Consortium for DAE Facilities; IUC-DAEF (An Autonomous Institution under University Grants Commission, New Delhi) (A Society Registered Under M.P. Society Registrations Act, 1973) Registered Office and Head Office : UGC-DAE Consortium, University Campus, Khandwa Road, Indore-452 017. Phone 0731-2463913/2762267/2463913 Fax: 0731-2462294/2465437

No. CSR/Accts/2017-18/ 274

13 June 2018

Speed Post

To
Registrar,
SRM University,
Sonapat,
Haryana - 131029

Sub. : Collaborative research titled "Effect of annealing temperature on ferrites" sanctioned to Dr. Anu Rana, Assistant Professor, Department of Physics, SRM University, Sonapat, Haryana - 131 029 (India)

Ref: Our letter No. CSR-IC/TIMR-08/CRS-275/2017-18/1281 dated 31 March 2018

Dear Sir,

An amount of Rs. 45,000/- has been deposited on 29-05-2018 in your Account No. 510909010045723 in City Union Bank, Karol Bagh, New Delhi - 110 005 towards grants sanctioned for year 2017-18 to CRS project mentioned above. UTR No. of above transaction is SBINR918145919949. Detail of sanction is as follows:

S. No.	Particulars	Amount (Rs.)
1.	Contingency	15,000.00
2.	Consumables	30,000.00
	Total Deposited Amount	45,000.00

The next instalment of money, if any sanctioned, will be released only on production of a statement of account and a utilization certificate (photo-copy of the format is enclosed herewith) from your institution.

The conditions for the award of the grant in aid have been set out in our earlier letter cited above.

Please acknowledge receipt of this letter and send us a stamped receipt by return of post.

Yours sincerely,

Administrative Officer-I (Accounts)

Encl. as above.

Copy to : 1. ✓ Dr. Anu Rana, Assistant Professor, Department of Physics, SRM University, Sonapat, Haryana - 131 029 (India)

2. Centre-Director, UGC-DAE CSR, Indore:

----- Forwarded message -----

From: **Meenu Jain** <meenudrde@gmail.com>

Date: Sat, Apr 4, 2020 at 10:22 AM

Subject: ICMR_Extramural Adhoc proposal_2020-4077

To: <directorcd4@srmuniversity.ac.in>

Cc: Kamini Walia <waliakamini@yahoo.co.in>, Madhu Mathi
<madhurachel@gmail.com>

Dear Dr. S R Vethakkani,

Greetings!!

This is with reference to your Ad-hoc proposal submitted to ICMR under extramural scheme. We are glad to inform you that your proposal (Project ID: 2020-4077) entitled "Management of multidrug resistant pathogens causing Urinary Tract Infection" has been recommended for funding in the review held by ICMR, New Delhi.

The **expert's comments** are mentioned below:

- The proposal addresses important aspect of AMR and involves novelty.
- The study would help in planning management protocol in future.

To initiate the process of funding, kindly provide following documents for **codal formalities**:

1. Declaration and attestation form (Format attached)
2. Mandate Form (Format attached) and cancelled cheque of Institute account (**Important Note:** As per GFR, details of saving account should be provided. If your institute does not have a saving bank account, then the existing account should be interest bearing account or PI can avail the CTLD facility on already existing account. In such case, PI is requested to submit a signed undertaking to ICMR stating that interest incurred would be credited to ICMR account).
3. Undertaking for staff -Part I (Format Attached)
4. Certificate of Non-availability of equipment (Format attached)
5. No pending UC certificate (Format attached).
6. Institutional Ethical Clearance (IEC); Note: If IEC is not applicable please give a certificate/undertaking mentioning IEC is not applicable and justification for the same.
7. DSIR certificate of the institute (If it is a Non-Government institute).
8. Names of Statutory Auditors of host institute and panel number in case of private CA along with complete address (A copy of resolution of Institute appointing the Auditors as Statutory Auditors may be enclosed). (Format attached)
9. Year wise breakup of contingencies (Format attached)
10. Undertaking that PI does not have more than 5 ICMR ad-hoc projects at a time (Format attached)
11. Justification for travel (If applicable) (Format attached)

The format of documents for codal formalities are attached for your reference. Kindly send the codal formalities, listed in 1-11 (all documents in **one Pdf file**). If you are not able to submit the documents immediately due to COVID-19 situation in India, you may submit the same after lockdown.

Thanks,
With Regards,
Meenu

--

Dr. Meenu Jain

Scientist 'C'

ICMR-AMR Diagnostics Taskforce,

ECD Division,

Indian Council of Medical research,

Ansari Nagar, New Delhi-110029

FILE NO. CVD/2020/000447
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(A statutory body of the Department of Science & Technology, Government of India)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 26-Oct-2020

ORDER

Subject: Financial Sanction of the research project titled **"Drug repurposing against key COVID-19 Drug Targets using advance Machine Learning based algorithms "** under the guidance of Dr. Manoj Kumar Yadav, Department of Bioinformatics, SRM University, Plot no.39, rajiv gandhi education city delhi-ncr, sonapat – kundli urban complex, Post office p.s.ra, sonipat, Sonapat, Haryana-131029 - Release of 1st grant.

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned project at a total cost of **Rs. 1229920/-** (Rs. Twelve Lakh Twenty Nine Thousand Nine Hundred and Twenty Only) with break-up of **Rs. 250000/- under Capital (Non-recurring) head** and **Rs. 979920/- under General (Recurring) head** for a duration of 12 months. The items of expenditure for which the total allocation of **Rs. 1229920/-** has been approved are given below:

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Thinkpad P1 gen2 Mobile Workstation	250000
A'	Total (Non-Recurring)	250000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	401760 466350 0
2	Recurring - IV : (Overhead Charges)	111810
B'	Total (Recurring)	979920
C	Total cost of the project (A' + B')	1229920

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 250000/-** (Rupees Two Lakh Fifty Thousand only) under 'Grants for creation of capital assets' and **Rs. 855000/-** (Rupees Eight Lakh Fifty Five Thousand only) under 'Grants-in-aid General' to **Vice Chancellor, SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex, Post Office PS.Rai, Sonipat** being the first installment of the grant for the year 2020-2021 for implementation of the said research project.

3. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)**
This release is being made under CRG Short-term special call on COVID-19. (COVID-19 Life Sciences)

4. The Sanction has been issued to SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex, Post Office P.S.Rai, Sonipat with the approval of the competent authority under delegated powers on **21 October, 2020** and vide Diary No. **SERB/F/4312/2020-2021** dated **22 October, 2020**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.

9. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

10. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

11. The release amount of **Rs. 1105000/-** (Rupees Eleven Lakh Five Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	SRMUH
Account Name	SRMUH SERB
Account Number	39502288126
Bank Name & Branch	STATE BANK OF INDIA Branch Name-Motilal Nehru Sports School Rai Address- Motilal Nehru School of Sports, Post-Rai, Sonapat, Haryana, Pin-131029
IFSC/RTGS Code	SBIN0006838
Email id of A/C Holder	registrar@srmuniversity.a.in
Email id of PI	manojiids@gmail.com

12. The institute will furnish to the SERB, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

13. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

14. The project File no. CVD/2020/000447 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.


15. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any. beyond the duration of the project

16. As this is the first grant being released for the project, no previous U/C is required.

17. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

18. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.


19. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board.


(Dr. Thangaradjou T)
Scientist E
msls@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB , New Delhi.
3.	File Copy
4.	Dr. Manoj Kumar Yadav Department of Bioinformatics SRM University , Plot no.39, rajiv gandhi education city delhi-ncr, sonapat – kundli urban complex,Post office p.s.ra, sonipat, Sonapat, Haryana-131029 Email: manojiids@gmail.com Mobile: 917581911917 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	Vice Chancellor, SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex,Post Office PS.Rai, Sonipat (Receipt of Grant may be intimated by name to the undersigned)



(Dr. Thangaradjou T)
Scientist E
msls@serb.gov.in

Format for Annual Statement of Accounts

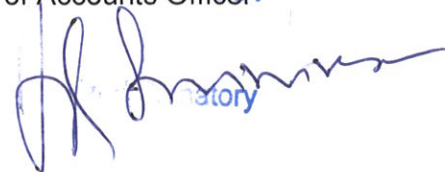
(Period 23/7/2021 to 22/7/2022)

1. Sanction Letter No.: OMI/23/2020-ECD-I
2. Total Project Cost : Rs. 49,61,000.00/-
3. Sanction /Revised Project cost (if applicable) : Rs 21,66,562
4. Date of Commencement of Project :
5. Proposed Date of Completion :
6. Statement of Expenditure : From...Sept 2021 To. Sept 2022

S. No.	Sanctioned / Heads	Funds Allocated	Expenditure Incurred			Balance as on (Date)	Remarks
			I Year	II Year	III Year		
1.	Salaries	4,01,760	4,01,760				
2.	Contingencies						
2.1.	Non-recurring (Equipments)	6,50,000	6,49,967				
2.2	Recurring (Supplies, Materials, Consumables, etc.)	9,05,918	9,49,840				
3.	Travel	1,50,000	1,50,000				
4.	Overhead Expenses	39,802	39,802				
5.	Others (if any)	19,082	19,082				
	Total	21,66,562	20,66,529				


 Signature of Principal Investigator
 with date **Dr. V. Samuel Raj**
 Director, (CD4)
 Professor of Microbiology & Biotechnology
 SRM University Haryana, Sonapat

For SRM UNIVERSITY HARYANA
 Signature of Accounts Officer
 With date

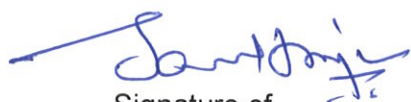

 Accounts Officer

Check list for covering note to accompany Utilization Certificate of grant for the project for the periodSept 2021 to Sept 2022.....

- 1) Title of the Project: Management of multidrug-resistant (MDR) pathogens causing Urinary Tract Infection (UTI)
 - 2) Name of the Institutions: SRM University Delhi-NCR, Rajiv Gandhi Education City Sonapat - 131 029, Haryana, India
Principal Investigator: Prof. V. Samuel Raj, Centre for Drug Design Discovery & Development (C4D), Department of Microbiology & Biotechnology
 - 3) ICMR letter No. and date sanctioning the project. No. **OMI/23/2020-ECD-I**
 - 4) Head of account as given in the original sanction letter : Fellowship, Non-recurring, Recurring, Overhead, Travel, Miscellaneous
 - 5) Amount received during the year (Please give No. & Date of ICMR's sanction letter for the amount and period) No. **OMI/23/2020-ECD-I Dated April 08 2020**
 - 6) Total amount that was available for expenditure (excluding commitments) during the year (Sl.No.6+7) Rs 21,66,562
 - 7) Actual expenditure (excluding commitments) incurred during the year. Rs 21,96,333
-
- 1) Balance amount available at the end of the year. Rs 33
 - 2) Amount already committed, if any.
 - 3) Amount to be carried forward to the next year (if applicable). Indicate the amount already committed with supporting documents.

Format for Utilization Certificate
(Annual/Final)

1) Certified that out of Rs 21,66,562..... of grants-in-aid sanctioned during the year2021-22.... in favour of Dr V Samuel Raj under ICMR Letter No. OMI/23/2020-ECD-I..... and Rs.....NIL..... on account of unspent balance of the previous year, a sum of Rs 2166529 has been utilized for the purpose of fellowship, overhead, recurring, non-recurring and miscellaneous for which it was sanctioned and that the balance of Rs. 33 remaining unutilized at the end of the year has been surrendered to ICMR (vide cheque No Dated..... /) will be adjusted towards the grants-in-aid payable during the next year i.e. 2022-23



Signature of
Dr. V. Samuel Raj
Principal Investigator
with date
with date
Microbiology & Biotechnology
SRM University Haryana, Sonapat



Signature of Registrar/
of the Institute with date
REGISTRAR
SRM University, Delhi-NCR Sonapat,
Plot no. 39, R.G.E.C., P.S. Rai,
Sonapat (HR.)- 131029

For SRM UNIVERSITY HARYANA



Signature of Accounts Officer
of the Institute with date
Accounts Officer
Signatory



Head	Amount Received	Amount Spent	Balance
Overhead	39,802	39,802	NIL
Fellowship	4,01,760	4,01,760	NIL
Non-Consumable	6,50,000	6,49,967	33
Consumables	9,05,918	9,49,840	-43,922
Travel	1,50,000	1,50,000	NIL
Miscellaneous	19,082	19,082	NIL
Total	21,66,562	21,66,529	33

Interest earned- 29,834 (spent on consumables)

Miscellaneous (remaining)- 7685 (spent on consumables)

Extra amount spent on consumables- 6403

----- Forwarded message -----

From: **divya kamaraju** <divya_kamaraju@yahoo.co.in>

Date: Fri, Mar 26, 2021 at 2:49 PM

Subject: Call for proposal (ICMR) for research on leishmaniasis : Decision and Comments from the Project Review Committee of ICMR

To: directorcd4@srmuniversity.ac.in <directorcd4@srmuniversity.ac.in>

Cc: Dr. Manju Rahi <manjurahi.hq@icmr.gov.in>

Dear Madam

This is in reference to the call for proposals for research on leishmaniasis at ICMR. The project entitled " Re-purposing of drugs and nanoparticle approaches for the improvement of treatment against Visceral Leishmaniasis with the aim of averting the emergence of PKDL."

Following are the Comments from the expert:

- The comments were addressed and the PI provided a letter in collaboration with RMRI, Patna.
- The reviewers raised concerns on the travel budget.
- Preliminary data on macrophage culture or parasite system to kill the parasite to be provided.
- The ICMR may ensure that above suggestions are incorporated. The proposed budget is found to be justified and is recommended without travel head.

Recommendation: Recommended with proposed revised budget without travel head.

We request you kindly to provide the Revised version for the above proposal with necessary changes as suggested by the experts.

Regards

Divya

Year wise details of Budget: (in Rs.)

Title of the Project: “Re-purposing of drugs for the improvement of treatment against Visceral Leishmaniasis with the aim of averting the emergence of PKDL”


Justification for Consumables, and Contingency:

Cell culture, Media, FBS, and cell culture related accessories, FDA approved drugs. Pharmacokinetics and pharmacodynamics studies, Materials for genotypic characterization, Genotoxicity studies, consumables for *in vivo* experiments Books, journals, publication fees (in conference proceedings, open access journals such as scientific reports), Printer cartridges and stationary expenses, etc., will be required for execution of the objectives. In addition, the approved budget for contingency will be used towards stationary expenses to prepare technical, and progress reports.

Budget Heads	Year 1	Year 2	Total
Consumables, Contingency, and Manpower	41,44,000	42,68,400	84,12,400.00

Justification for Manpower:

Since the proposed project is focusing on re-purposing of drugs approaches for the improvement of the therapy against visceral Leishmaniasis. In addition to the improvement of the existing therapy, it is expected to develop a novel, safe and effective therapy against visceral leishmaniasis and shorten the therapy to prevent PKDL (*in vitro* & *in vivo*); an experienced JRF only will be able to do the proposed work on full time. One JRF is required at SRM University in Delhi-NCR, Sonepat, and the other is needed at RMRI Patna. Hence, two Junior Research Fellow requested as manpower as per the ICMR norms. Without the JRF, it is extremely difficult to carry out the proposed work in the given timelines.



6th January, 2022

Signature of Principal Investigator

DEAN ACADEMICS
SRM University Haryana
Plot No. 39, R.G.E.C. Rai,
Sonepat-131029(HR.)



ICMR
INDIAN COUNCIL OF
MEDICAL RESEARCH

भारतीय आयुर्विज्ञान अनुसन्धान परिषद्
स्वास्थ्य अनुसन्धान विभाग, स्वास्थ्य एवं परिवार
कल्याण मंत्रालय, भारत सरकार

Indian Council of Medical Research
Department of Health Research, Ministry of Health
and Family Welfare, Government of India

No. 6/9-7(275)/KA/2021/ECD-II

Dated: 02.2022

To,

The Registrar
SRM University, Delhi-NCR Sonapat
Plot No.39, R.G.E.C., P.S. Rai,
Sonapat -131029(HR)

Subject:-Sanction and budget allotment for the New Schemes Entitled:- “Re-purposing of drugs and nanoparticle approaches for the improvement of treatment against Visceral Leishmaniasis with the aim of averting the emergence of PKDL” Under Prof. Samuel Raj Vethakkani, Prof. and Dean Academics, SRM University, Delhi-NCR Sonapat, Plot No.39, R.G.E.C., P.S. Rai, Sonapat -131029 (HR).

Sir,

The Director General of the Council sanctions the above mentioned research scheme initially for a period of **One Year** subject to extension upto the total duration specified in para 3(3) below.

The Director General of the Council also sanctions the budget allotment of **Rs. 35,13,289/- (Rupees Thirty Five Lakh Thirteen Thousand Two Hundred Eighty Nine Only)** as detailed in the attached statement for the period w.e.f **02.03.2022** year ending on **01.03.2023** during the current financial year **2021-22**.

The grant-aid will be given subject to the following conditions:-

1. The payment of the grant will be made in lump-sum to the Head of the Institution. The first installment of the grant will be paid generally as soon as a report regarding the commencement of the project and appointment of the staff is received by the Council. The demand for payment of the subsequent installment of the grant should be placed with the Council in the prescribed Performa attached.
2. The staff appointed on the project should be paid as indicated in the budget statement attached.
3. The approved duration of the scheme is for **2 Years**. The annual extension will be given after review of the work done on the scheme during the previous year.
4. Fifteen copies of the Annual Progress Report of work done be submitted to the Council every year after completion of ten months of the project. Failure to submit the report in time may lead to termination of the project.

Cont./2

5. The institute will maintain a Separate Saving Bank Account of the receipts and the expenditure incurred on the scheme and will furnish a utilization certificate and an audited statement of account pertaining to the grant.
6. The grant shall be utilized after following provision laid down in GFR-2017 and TA rules.
7. The other terms and conditions are indicated in the website of ICMR (www.icmr.nic.in) for "Guidelines for operation of projects for Grantees of ICMR's Extramural Research Projects". The receipt of this letter may please be acknowledged.
8. You are advised to seek concurrence of the council before disseminating the findings to journal, media or repositories."

Yours faithfully,

examined
2/2/2022
Ved Prakash
Administrative Officer

No. 6/9-7(275)/KA/2021/ECD-II

Copy to:-

1. Prof. Samuel Raj Vethakkani, Prof. and Dean Academics, SRM University, Delhi-NCR Sonapat, Plot No.39, R.G.E.C., P.S. Rai, Sonapat (HR)-131029.
2. Copy together with a copies of the budget statement forwarded to the Accounts Section-V, ICMR for information and necessary action.
RFC No.(P-28)/ECD/Adhoc/52/2021-22 dated 9.02.2022
3. Mrs. Vandana, Sr. Technical Officer-II, ICMR
4. IRIS ID No-2020-10017

Administrative Officer

वी रामलिंगस्वामी भवन, पोस्ट बॉक्स नं 4911,
अंसारी नगर, नई दिल्ली - 110 029, भारत
V Ramalingaswami Bhawan, P.O. Box No. 4911,
Ansari Nagar, New Delhi - 110 029, India

Tel : +91 11 26588895 / 26588980 / 26588984
+91-11-26588936 / 26588907
Fax : +91 11 26588662 | icmr.nic.in

BUDGET for the 1st year
Period From 02.03.2022 to 01.03.2023

Re-purposing of drugs and nanoparticle approaches for the improvement of treatment against Visceral Leishmaniasis with the aim of averting the emergence of PKDL" under Prof. Samuel Raj Vethakkani, Prof. and Dean Academics, SRM University, Delhi-NCR Sonapat (HR)-131029 Haryana.

S. No.	Particulars	1 st Year
1.	Staff	
	JRF (TWO)@31000/-+HRA9%=33,790/-	8,10,960/-
	Total	8,10,960/-
2.	Recurring (Contingencies)	
	Cost of Publication Charges (in conference, open access journals like scientific reports), etc	2,00,000/-
	Workshop and organizing project meetings.	3,50,000/-
	Purchase of computer Software accessories, software, printer cartridge and stationary expenses to keep of the project, and prepare technical reports	2,50,000/-
	Total	8,00,000/-
3.	Consumables	
	96 Well plate-100/pk, roller bottles, and syringe filters	56,859/-
	24 well plate-100/pk, coverslips, and cell counter	56,396
	6 well plate-100/pk, and CO ₂ Gases	50,531/-
	T-25 flask-200/pk, Syringes and needles	80,797/-
	T-75flask-200/pk, reagents, and supplementary components	94,264/-
	Serological pipettes and pipettors	50,000/-
	100 mm plate-480/pk, and membrane filter assembly	53,570/-
	Cell scraper and Haemocytometer	40,403/-
	Cryo vials-500/pk	54,098/-
	Cell culture media, FBS, etc.	2,80,000/-
	FDA approved drugs	3,50,000/-
	Materials for genotypic characterization,	1,50,000/-
	Consumables for in vivo experiment	4,40,000/-
	Miscellaneous cost, etc.	43,082/-
	Total	18,00,000/-
4.	Overhead@3%	1,02,329/-
.	Sub Total 1+2+3+4	35,13,289/-

Samuel
21/7/2022

Ved Prakash
Administrative Officer

No. 6/9-7(275)/KA/2021/ECD-II
 RFC No.(P-28)/ECD/Adhoc/52/2021-22 dated 9.02.2022
 IRIS ID No-2020-10017



icmr
INDIAN COUNCIL OF MEDICAL RESEARCH

भारतीय आयुर्विज्ञान अनुसंधान परिषद्
स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य एवं परिवार
कल्याण विभाग, भारत सरकार

Indian Council of Medical Research
Department of Health Research, Ministry of Health
and Family Welfare, Government of India

No. 6/9-7(275)/KA/2021/ECD-II

Dated: 02.2022

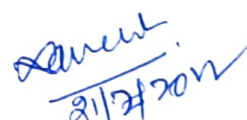
Subject:-Payment of 1st & Final installment for the 1st Year grant-in-aid for the research scheme entitled, Re-purposing of drugs and nanoparticle approaches for the improvement of treatment against Visceral Leishmaniasis with the aim of averting the emergence of PKDL" Under Prof. Samuel Raj Vethakkani, Prof. and Dean Academics, SRM University, Delhi-NCR Sonapat -131029 (HR).

MEMORANDUM

The Director-General, ICMR sanctions the payment of **Rs. 35,13,289/- (Rupees Thirty Five Lakh Thirteen Thousand Two Hundred Eighty Nine Only)** as the 1st & Final installment for the 1st Year grant for incurring expenditure in connection with the above mentioned research scheme. The amount **Rs. 35,13,289/-** may be debited in the provision of **Rs. 35, 13,289/-** made for the above mentioned research scheme for the current financial year-2021-22.

A formal bill for **Rs. 35,13,289/-** is sent herewith for payment by **RTGS** to **The Registrar, SRM University, Delhi-NCR Sonapat -131029 (HR)**.

Yours faithfully,


Ved Prakash
Administrative Officer

Accounts Section, ICMR.

1. The Registrar, SRM University, Delhi-NCR Sonapat -131029 (HR).
2. Prof. Samuel Raj Vethakkani, Prof. and Dean Academics, SRM University, Delhi-NCR Sonapat -131029 (HR).
3. Mrs. Vandana Sr. Technical Officer-II, ICMR
4. IRIS ID No-2020-10017

Administrative Officer



Dr. Sudip Kumar Halder <sudip.k@srmuniversity.ac.in>

SERB-Notification

1 message

SERB_Administrator@serbonline.in <SERB_Administrator@serbonline.in>
To: serbinfo1@gmail.com

Thu, Dec 2, 2021 at 3:39 PM

**Science and Engineering Research Board**
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)
Department of Science and Technology, Government of India

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

(Statutory Body Established Through an Act of Parliament : SERB Act 2008)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

File Number: TAR/2021/000136

Dated: 02-Dec-2021

Subject: Project titled "A search for a suitable physical system for realising quantum technologies."

Dear Dr. Sudip Kumar Halder,

We are happy to inform you that your application cited above has been approved by the Science and Engineering Research Board for funding under **Teachers Associateship for Research Excellence (TARE)**. The following are the approved items for a period of three years.

Research Grant ? As per SERB-TARE norms

Fellowship ? As per SERB-TARE norms

Overhead Charges ? As per SERB-TARE norms

1. This approval letter is valid subject to the fulfilment of all the eligibility criteria for the TARE and submission of required documents.
2. You are requested to submit the joining report in the host institute and submit relevant documents within one month from the date of receipt of this letter. Projects requires ethical / biosafety / stem cell / wildlife clearances etc.candidate will be allowed to join the host institute only after acquiring such clearances.
3. The grant will be effective from the date of joining in the host institution.
4. Follow the norms of host and parent institutions while implementing the project. Please visit our website www.serbonline.in for the terms & conditions of the grant.

Kindly quote the reference number in all future correspondence. The reference no. **TAR/2021/000136** should be mentioned in all research outputs(publications/patent etc.) arising from the TARE grant.

Kindly follow the below steps only then you will be able to acknowledge the approval letter:

1. Go to www.serbonline.in through your credentials
2. Go to Menu --> Proposal submission --> View submitted proposals

A certificate stating that any visit abroad for a period more than eight weeks would be undertaken after due permission from SERB, may also be submitted.

Kindly upload RTGS details of the parent as well as host institute to facilitate transfer of the fund as per the template

Yours sincerely,

(Dr. T Thangaradjou)

Scientist F

Dr. Sudip Kumar Haldar

Physics

SRM University , Plot No.39, Rajiv Gandhi Education City Delhi-ncr, Sonapat – Kundli Urban Complex, Post Office P.s.rai, Sonapat, Sonapat, Haryana-131029

***** LEGAL DISCLAIMER *****

Please do not reply to this mail !!

[SERB is now on Social-Media. Kindly follow us on Twitter: @serbonline <https://www.twitter.com/serbonline>]

This is a system generated information and does not require any signature. This E-Mail may contain Confidential and/or legally privileged Information and is meant for the intended recipient(s) only. If you have received this e-mail in error and are not the intended recipient/s, kindly notify us at info@serbonline.in and then delete this e-mail immediately from your system. Any unauthorized review, use, disclosure, dissemination, forwarding, printing or copying of this email or any action taken in reliance on this e-mail is strictly prohibited and may be unlawful. Internet communications cannot be guaranteed to be timely, secure, error or virus-free. The sender does not accept any liability for any errors, omissions, viruses or computer problems experienced by any recipient as a result of this e-mail.

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FILE NO. TAR/2021/000136
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(A statutory body of the Department of Science & Technology, government of India)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 13-Jan-2022

ORDER

Subject: Financial Sanction under Teachers Associateship for Research Excellence (TARE) to Dr. Sudip Kumar Haldar, SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-ncr, Sonapat – Kundli Urban Complex, Post Office Ps.rai, Sonipat, Sonapat, Haryana-131029- under the mentorship of Prof. Aditi Sen De, at Harish-Chandra Research Institute Chhatnag Road, Jhansi - 211019- Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned grant at a total cost of Rs. 18,30,000/- (Rs. Rupees Eighteen Lakh Thirty Thousand only Only) for a duration of 36 months.

The date of start of the project will be 10 December, 2021. The items of expenditure for which the total allocation of Rs. 18,30,000/- has been approved are given below:

The following budget is proposed for

SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-ncr, Sonapat – Kundli Urban Complex, Post Office Ps.rai, Sonipat, Sonapat, Haryana-131029 (Parent)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 0 (@0/- per month (consolidated))
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

Harish-Chandra Research Institute Chhatnag Road, Jhansi - 211019 (Host)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 60,000 (on completion of 90 days mandatory attendance in the host institute every year)
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

2. Sanction of the SERB is also accorded to the payment of Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand only) to SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex, Post Office P.S.Rai, Sonipat, Rs. 3,35,000/- (Rupees Three Lakh Thirty Five Thousand only) to Harish-Chandra Research Institute Chhatnag Road, Jhansi - 211019 being the first installment of the grant for the year 2021-2022 for implementation of the said research project.

3. The expenditure involved is debitable to

Fund for Science & Engineering Research (FSER)

This release is being made under Teachers Associateship For Research Excellence (TARE). (Condensed Matter Physics and Materials Science)

4. The Sanction has been issued to with the approval of the competent authority vide Diary No. SERB/F/6755/2021-2022 dated 05 January, 2022

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

8. The release amount of Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

SRM University, Plot no.39, rajiv gandhi education city delhi-ncr, sonapat – kundli urban complex, Post office p.s.rai, sonipat, Sonapat, Haryana-131029 (Parent) :

PFMS Unique Code	SRMUH
Account Name	SRM University Haryana
Account Number	35723701835
Bank Name & Branch	State Bank of India MLNS of sports Rai, Motilal Nehru Sports School, Village Rai, Sonapat, Haryana 131029
IFSC/RTGS Code	SBIN006838
Email address of PI	sudip.k@srmuniversity.ac.in
Email id of A/C Holder	registrar@srmuniversity.ac.in
Email address of concerned officer	ms_tare@serbonline.in

The release amount of Rs. 3,35,000/- (Rupees Three Lakh Thirty Five Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Harish-Chandra Research Institute Chhatnag Road, Jhansi - 211019 (Host) :

PFMS Unique Code	HCRI
Account Name	HARISH CHANDRA RESEARCH INSTITUTE
Account Number	30070100011078
Bank Name & Branch	Bank of Baroda HCRI Branch, HRI Campus, Chhatang Road, Jhansi, Prayagraj 211019
IFSC/RTGS Code	BARB0HRIALL
Email address of PI	sudip.k@srmuniversity.ac.in
Email id of A/C Holder	sudheerksingh@hri.res.in
Email id of Mentor	Prof. Aditi Sen De

9. Both the institutes will furnish Utilization certificate (UCs) financial year wise to the SERB and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

10. The institute will maintain separate audited accounts for the fellowship. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.


11. The File no. **TAR/2021/000136** may also be mentioned in all research communications arising from the above project with due acknowledgement of **SERB**.

12. As this is the first grant for the fellowship, no previous U/C is required.

13. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "**FUND FOR SCIENCE AND ENGINEERING RESEARCH**" payable at New Delhi.

14. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.


15. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


(Dr. T. Thangaradjou)
Scientist F
msls@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	<p>(i) Dr. Sudip Kumar Halder Physics SRM University, Plot no.39, rajiv gandhi education city delhi-ncr, sonapat – kundli urban complex, Post office p.s.rai, sonipat, Sonapat, Haryana-131029 Email: sudip.k@srmuniversity.ac.in Mobile: 918420384043</p> <p>(ii) Prof. Aditi Sen De Harish-Chandra Research Institute Chhatnag Road, Jhansi - 211019</p> <p>(Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in.)</p>
5.	<p>(i) Vice Chancellor, SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex, Post Office P.S.Rai, Sonipat</p> <p>(ii) Director Harish-Chandra Research Institute Chhatnag Road, Jhansi - 211019</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>


(Dr. T. Thangaradjou)
Scientist F
msls@serb.gov.in

Dated: 13-Jan-2022

ORDER

Subject: Financial Sanction under Teachers Associateship for Research Excellence (TARE) to **Dr. Prashant Kumar, SRM University , Plot No.39, Rajiv Gandhi Education City Delhi-ncr, Sonapat – Kundli Urban Complex,Post Office Ps.rai, Sonipat, Sonapat, Haryana-131029-** under the mentorship of **Dr. Brajendra K Singh, at University of Delhi New Delhi, Delhi - 110007-** Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned grant at a total cost of **Rs. 18,30,000/- (Rs. Rupees Eighteen Lakh Thirty Thousand only Only)** for a duration of 36 months.

The date of start of the project will be 04 December, 2021. The items of expenditure for which the total allocation of **Rs. 18,30,000/-** has been approved are given below:

The following budget is proposed for

SRM University , Plot No.39, Rajiv Gandhi Education City Delhi-ncr, Sonapat – Kundli Urban Complex,Post Office Ps.rai, Sonipat, Sonapat, Haryana-131029 (Parent)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 0 (@0/- per month (consolidated))
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

University of Delhi New Delhi, Delhi - 110007 (Host)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 60,000 (on completion of 90 days mandatory attendance in the host institute every year)
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand only)** to **SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex,Post Office P.S.Rai, Sonipat, Rs. 3,35,000/- (Rupees Three Lakh Thirty Five Thousand only)** to **University of Delhi New Delhi, Delhi - 110007** being the first installment of the grant for the year 2021-2022 for implementation of the said research project.

3. The expenditure involved is debitable to

Fund for Science & Engineering Research (FSER)

This release is being made under Teachers Associateship For Research Excellence (TARE). (Organic Chemistry)

4. The Sanction has been issued to with the approval of the competent authority vide Diary No. **SERB/F/6635/2021-2022** dated **04 January, 2022**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

8. The release amount of **Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand only)** will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

SRM University , Plot no.39, rajiv gandhi education city delhi-ncr, sonapat – kundli urban complex,Post office p.s.rai, sonipat, Sonapat, Haryana-131029 (Parent) :

PFMS Unique Code	SRMUH
Account Name	SRM University Haryana
Account Number	35723701835
Bank Name & Branch	State Bank of India MLNS of Sports Rai Motilal Nehru Sports School Village Rai Sonapat Haryana 131029
IFSC/RTGS Code	SBIN0006838
Email address of PI	prashanttomar972@gmail.com
Email id of A/C Holder	registrar@srmuniversity.ac.in
Email address of concerned officer	ms_tare@serbonline.in

The release amount of Rs. 3,35,000/- (Rupees Three Lakh Thirty Five Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

University of Delhi New Delhi, Delhi - 110007 (Host) :

PFMS Unique Code	duuniv
Account Name	The Registrar, University of Delhi Minor Project Young Scientists
Account Number	10851298593
Bank Name & Branch	State Bank of India Utility Centre Delhi University Branch, SBI Utility Centre DU Delhi 110007
IFSC/RTGS Code	SBIN0001067
Email address of PI	prashanttomar972@gmail.com
Email id of A/C Holder	registrar@du.ac.in
Email id of Mentor	Dr. Brajendra K Singh

9. Both the institutes will furnish Utilization certificate (UCs) financial year wise to the SERB and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

10. The institute will maintain separate audited accounts for the fellowship. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.


11. The File no. TAR/2021/000201 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

12. As this is the first grant for the fellowship, no previous U/C is required.

13. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

14. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

15. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


(Dr. T. Thangaradjou)
Scientist F
msls@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	<p>(i) Dr. Prashant Kumar Chemistry SRM University, Plot no.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex, Post office P.S. Rai, Sonapat, Sonapat, Haryana-131029 Email: prashanttomar972@gmail.com Mobile: 918527011424</p> <p>(ii) Dr. Brajendra K Singh University of Delhi New Delhi, Delhi - 110007</p> <p>(Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in.)</p>
5.	<p>(i) Registrar, SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex, Post Office P.S. Rai, Sonapat</p> <p>(ii) Registrar University of Delhi New Delhi, Delhi - 110007</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>


(Dr. T. Thangaradjou)
Scientist F
msls@serb.gov.in

F. No: V-174/2014-15/414-NMCG
National Mission for Clean Ganga,
Ministry of Water Resources, River Development & Ganga Rejuvenation

First Floor,
Major Dhayan Chand National Stadium,
India Gate, New Delhi-110001
Date: 21st March 2022

Office Memorandum

Subject: Constitution of Monitoring Committee for the project
"Treatment of Panipat Drain, Panipat using bioremediation" - reg.

National Mission for Clean Ganga (NMCG) has sanctioned a project of "Treatment of Panipat Drain, Panipat using bioremediation" to M/s Organica Biotech Pvt Ltd. at an estimated cost of Rs. 2.49 Crore for a period of one year.

2. For monitoring the project implementation, including work plan, a Monitoring Committee has been constituted with following composition:

S. No.	Official	Role
1	Executive Director - Technical, NMCG	Chairman
2	Representative from Panipat Municipal Corporation	Member
3	Representative from Central Pollution Control Board	Member
4	Representative from Haryana Pollution Control Board	Member
5	Dr. Ramendra Pati Pandey, SRM University, Sonapat, Haryana	Third Party Inspection Agency

3. Additional subject experts may be invited as members of the Monitoring Committee, with approval of the Chairman.

4. Sitting fee for the Non-Official members will be as per O.M. No. 19047/102016-E-IV of Ministry of Finance, Department of Expenditure issued on 12.04.2017. TA/DA to the members may be provided members as per prevailing rules of NMCG (Grade - A equivalent) or as per the rules of their individual organizations.

5. It is requested that nomination/ acceptance may kindly be conveyed to NMCG at the earliest, preferably within a week of receiving of this letter.

6. This is with the approval of the competent authority.



(Neeraj Gahlawat)

Project Officer - Technical

To,

1. Member Secretary, CPCB, Parivesh Bhawan, CBD-cum-Office complex, East Arjun Nagar, New Delhi-110032
2. Member Secretary, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula, Haryana.
3. Municipal Commissioner Panipat, Tau Devi Lal Complex Railway Road, and Palika Bazar office, Panipat, Haryana
4. Regional Officer, Panipat region, Haryana State Pollution Control Board (hspcbropr@gmail.com)
5. Prof. V. Samuel Raj, Director & Dean Academics, SRM University Delhi-NCR, Sonapat, Haryana

Copy to (for Information):

1. PS to Director General, NMCG, New Delhi
2. PS to all EDs, NMCG, New Delhi
3. Dr. Ramendra Pati Pandey, Assistant Professor, Microbiology (In-Charge), SRM University Delhi-NCR, Sonapat, Haryana
4. Sanction Folder/ Guard File/MIS, NMCG



(Neeraj Gahlawat)

Project Officer - Technical



रेवती विश्वनाथ
Revathy Vishwanath
उप निदेशक
Deputy Director
Tel #011-26716690
E-mail: rpsicssr@gmail.com

Speed Post/By Hand
तीव्र डाक/ हस्ती

भारतीय सामाजिक विज्ञान अनुसंधान परिषद
Indian Council of Social Science Research
(शिक्षा मंत्रालय)
(Ministry of Education)
जेएनयू इंस्टीट्यूशनल एरिया, अरुणा असफ अली मार्ग
JNU Institutional Area, Aruna Asaf Ali Marg
New Delhi – 110067
Website: www.icssr.org

SANCTION ORDER

F.No. 02/59/GN/2021-22/ICSSR/RP/MJ

Dated:25-03-2022

To,

The Registrar
Guru Jambheshwar University of Science &
Technology, Hisar,
Haryana-125 001

Subject: Sanction of **Major Project** entitled “**Effectiveness and Accessibility of Pubic Service Delivery Across Information and Communication Technologies (ICTs) in Rural Development of Haryana**”, **Dr.Rajiv Kumar**, Associate Professor, Guru Jambheshwar University of Science & Technology, Hisar, Haryana.

Dear Sir,

1. The Indian Council of Social Science Research (ICSSR) considered the above Research Major project submitted by **Dr.Rajiv Kumar**. Co-Project Directors of the study is: ---- **Dr. Pawan Kumar**, **Assistant Professor**, Faculty of Management, SRM University, Delhi-NCR, Sonipat, Haryana.
2. The ICSSR has sanctioned a grant-in-aid of **Rs.6,00,000** (Rupees Six Lakh Only) for the above research project and the grant will be released as follows:

First instalment @40%	:	Rs./- 2,40,000/-
Second instalment @ 20%	:	Rs./- 1,20,000/-
Third instalment @ 10%	:	Rs./- 60,000/-
Fourth Instalment @10%	:	Rs./- 60,000/-
Final instalment @15%	:	Rs./- 90,000/-
Publication Grant* @ 5-6%	:	Rs./- 30,000/-
Total	:	Rs./-6,00,000
Overhead charges over and above 5% or maximum Rs.1,00,000	:	Rs./-30,000/-

(* to be retained by the ICSSR. ICSSR would publish it subject to the recommendation by the expert and relevant Committees for the purpose, from the overall budget, so to be retained by the ICSSR).

**will be released on successful completion of project after evaluation.
(The break-up budget approved by the ICSSR of **Rs6,00,000** /- is enclosed.)

3. **The First installment** of the approved grant-in-aid will be released after receiving the grant-in-aid bill duly filled in, stamped and signed by the Project Director as well as the affiliating organization. (**GIB already received**).
4. In case, the study involves survey research, the finalized schedules/questionnaires (2 copies) designed to elicit information should be sent to the ICSSR as per the following schedule:
 - a) If the schedule /questionnaire for eliciting information is as per standard questionnaire, these will have to be sent to ICSSR immediately,
5. **The Second instalment** will be released after receiving a satisfactory six/nine/ twelve months Progress Report (depending on the duration of the programme), simple statement of account of first

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instalment, published peer reviewed journal, along with grant-in-aid bill towards the second instalment.

6. **The Third instalment** will be released will be released after receiving second Progress Report (depending on the duration of the programme), simple statement of accounts of the second instalment, along with grant-in-aid bill towards the third instalment.
7. **The Fourth Instalment** will be released after receiving book length Final Report in soft copy (both word and PDF format), Executive Summary of Final Report in soft copy (both word and PDF format). 500 words abstract of the Final Report in soft copy, research papers published in peer reviewed journals duly acknowledging ICSSR, similarity index score sheet, simple statement of accounts of third instalment along with grant-in-aid bill towards the fourth instalment. Project Director is required to submit hard copies of the Final Report only after the confirmation from the ICSSR after incorporating the suggested changes. Such data or information relating to the research project as may be asked for by the ICSSR for preservation in its Data Archives should be given by the scholar.
8. **The Publication Grant** will be retained by the ICSSR & will be spent by the ICSSR Publication Division if the Final report is found publishable by an Expert Committee constituted by the ICSSR.
9. The scholar shall acknowledge support of ICSSR in all publications resulting from the project output (Research Paper, Books, Articles, Reports, etc.) and should submit a copy of the same to the ICSSR during its course and after completion.
10. **Final Instalment** will be issued after receipt of recommendation of the expert for acceptance of the Final Report, Audited statement of accounts (AC) in prescribed format with utilization certificate (UC) in GFR-12A form for the entire approved project amount duly signed by the Finance Officer/Registrar /Director of the affiliating Institution, verification of all documents and decision on retaining of equipment and books etc. The institutions of which the accounts are not audited by CAG/AG, their utilisation certificate will be signed by the Finance Officer and a chartered accountant.
11. The Overhead Charges to the affiliating institution will be released after the Final Report has been accepted and documents verified by the ICSSR. The ICSSR reserves the right to change the affiliation if it is found that the affiliating institute is not co-operating with the scholar and it is not facilitating timely completion of the study.
12. The Project Director will ensure that the expenditure incurred by him conforms to the approved budget heads and relevant rules. Audited Statement of accounts with Utilization Certificate in GFR of 12A form is for the entire project amount approved for the project.
13. The University/Institution of affiliation will provide to the scholar office accommodation including furniture, library and research facilities and messengerial services. For this, the ICSSR shall pay to the University/Institution of affiliation **overhead charges @5%** over and above or maximum **Rs.1,00,000** of the total expenditure incurred on the project only after successful completion of the project.
14. The Contingency Grant may be utilized for research and office assistance, books, stationary, computer cost, research assistance and the field work expenses of Project Director, Co-Project Directors and research personnel connected with the research work.
15. The overhead charges to the affiliating institution over and above @ 5% or maximum Rs.1,00,000 will be released only after successful completion of the project after evaluation. The accounts and the Utilization Certificate will be signed by the Finance Officer/Registrar/Principal/Director in the case of accounts of the institution are audited by CAG/AG. Otherwise, they need to be signed by the Finance Officer and the Chartered Account.
16. The Director of the research project will be **Dr. Rajiv Kumar** who will be responsible for its completion within **24 Months** from the date of commencement of the project, which is **15th March 2022** as intimated by the scholar.
17. In case, the Project Director does not submit the periodic / final project report as per schedule with adequate justification, the scholar may be debarred from availing all future financial assistance from ICSSR.
18. All grants from ICSSR are subject to the general provision of GFR 2017.

19. The Project Director will ensure that the expenditure incurred by him conforms to the approved budget heads. The grant-in-aid is subject to all the conditions laid down in the **Indian Council of Social Science Research (ICSSR) Research Projects available in the ICSSR website www.icssr.org**
20. The expenditure on this account is debatable to the **Budget Head-ICSSR (Scheme Code 0877); OH 31.09 Research Projects.**
21. All project instalments will be transferred through **Public Finance Management System (PFMS)** and ICSSR shall implement the EAT module for ensuring transparency of expenditure at all levels and to ensure that there is no parking of funds.
22. As per MoE (Ministry of Education) instruction, the amount of grant sanctioned herein is to be utilized by **the end of the project duration.** Any amount of the grant remaining unspent shall be refunded to the ICSSR immediately after the expiry of the duration of the project. If the grantee fails to utilize the grant for the purpose for which the same has been sanctioned/or fails to submit the audited statement of expenditure within the stipulated period, the grantee will be required to refund the amount of the grant with interest thereon @ 10% per annum.
23. Any instalment release is subject to availability of grant, and satisfactory progress report of the scholar. Mere award of the study does not entitle the scholar for the release of any of the instalments.

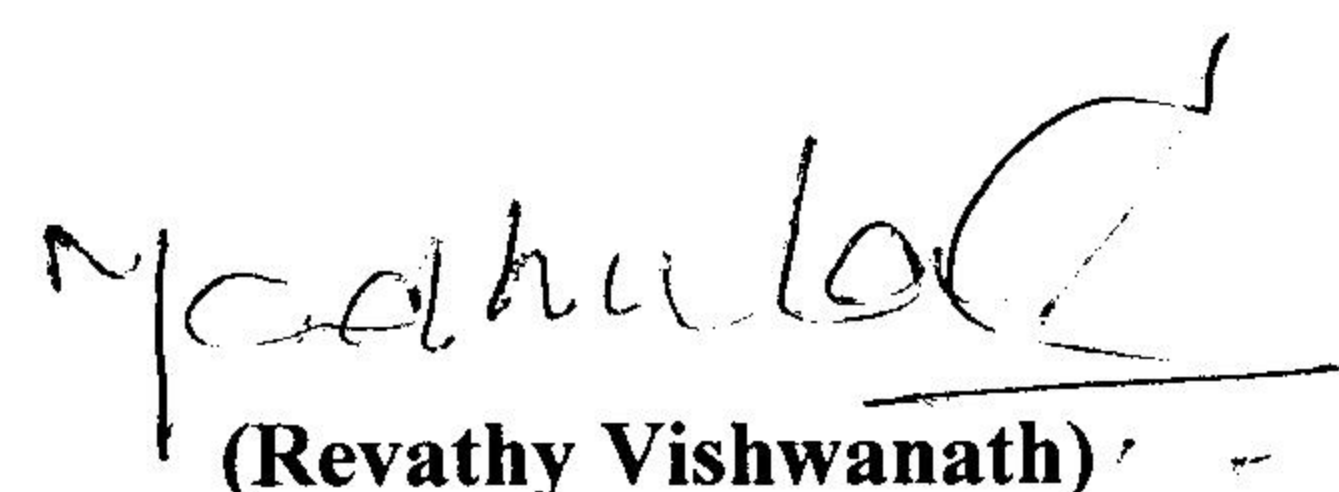
Yours faithfully,

(Revathy Vishwanath)
For MEMBER-SECRETARY

Encl: as above.

Copy to:

1. **Dr. Rajiv Kumar, Associate Professor,**
F-13, Haryana School of Business,
Guru Jambheshwar University of Science &
Technology, Hisar, Haryana-125 001
24. **Dr. Pawan Kumar, Assistant Professor,**
Faculty of Management,
SRM University, Delhi-NCR,
Sonipat, Haryana-131 029
2. **Finance Branch, ICSSR, New Delhi**
3. **Record file**

for 
(Revathy Vishwanath)
For MEMBER-SECRETARY

Title: Effectiveness and Accessibility of Public Service Delivery Across Information and communication Technologies (ICTs) in Rural Development of Haryana.

By: Dr. Rajiv Kumar

S.No	Heads of Expenditure	Value (Rs.)
1	Project Director/Co-PD	
2	Research Staff: Full time/part time/Hired services	Not exceeding 45% of the total budget.
3	Field work	Not exceeding 35%
4	Equipment and study material	Not exceeding 12%
5	Contingency	Not exceeding 5%
6	Publication of report -	approx.5-7%
	Grand Total	ICSSR will finally make it 100%
	Affiliating Institutional overheads over and above the grand total	(Affiliating Institutional overheads @ 5% of the approved budget, subject to a maximum upper limit of Rs.1,00,000/-)

- * The five percent (5-7%) publication amount will be spent by the ICSSR Publication Division if the Final report is found publishable by an Expert Committee constituted by the ICSSR.
- **Remuneration and Emoluments of Project Staff**

(a) Project staff could be engaged by the Project Director on a full/ part-time basis during the research work and the duration/consolidated monthly emoluments of their employment may be decided by the project director within the limits of the sanctioned financial allocation and as per the ICSSR rules (b) Research Associate @Rs.20, 000/- p.m. (Qualification – Post graduate in any social science discipline with minimum 55% marks and NET/SLET /M.Phil/Ph.D)(c) Research Assistant @Rs.16, 000/- p.m.(Qualification-Ph.D./M.Phil./ Post graduate in social science discipline with minimum 55% marks(d) Field Investigator @ Rs.15, 000/-p.m. (not exceeding 6 months) (Qualification- Post graduate in any social science discipline with minimum 55% marks)(e).Retrospective payment for work already done is not permissible.
 - **Re-appropriation:** The Project Investigator may with the permission of the Institution, re-appropriate expenditure from one sub-head to another, subject to a maximum of 5-7 % of the particular budget heads. If the study necessitates re-appropriation beyond 7%, it may be done only after the approval of the ICSSR
 - **Selection of Research Staff** should be done through an advertisement and a selection committee consisting of (1) Project Director; (2) One outside Expert (other than the institute where the project is located); (3) a nominee of the Vice Chancellor/Head of the Institution and (4) Head of the Department)/Dean of relevant faculty duly approved by the competent authority.
 - **For all field work related expenses** of Project Director, Co-Director and project personnel, rules pertaining to affiliating institutes shall be followed.
 - **All equipment and books** purchased out of the project fund shall be the property of the affiliating institutions. On completion of the study, the Project Director shall submit an undertaking in this regard. The ICSSR, however, reserves the right to take charge of equipment and books, if it thinks it fit in a case.
 - **Purchase of equipment/ assets** for the research Project is permissible only if it is originally proposed and approved by the ICSSR and does not exceed the permissible amount.
 - The scholar should acknowledge the support of ICSSR in all publications resulting from the programme output (Research Paper, Books, Articles, Reports, etc.) and should submit a copy of the same to the ICSSR during its course and even after completion.

Rajiv Kumar

Headquarters Institution

- Center for the Study of Poisons and Venomous Animals - (CEVAP-UNESP). University Paulista State “Júlio de Mesquita Filho” (UNESP) (SP)

Partner institutions

- Faculty of Pharmaceutical Sciences of Ribeirão Preto (FCFRP), University of São Paulo Paul – USP (SP)

- Adolfo Lutz Institute (SP)

- Biological Institute of São Paulo (SP)

- Institute of Infectology Emilio Ribas (SP)

Associated and Collaborating Research Institutions

- State Department of Health of the State of São Paulo (SP)

- Secretary of Entrepreneurship and Innovation of the Ministry of Science, Technology and Innovations (SEMPI/MCTI), Federal Government

- Sindusfarma

- Katholieke Universiteit Leuven – KUL (Belgium)

- **SRM University Delhi-NCR, Sonapat, Haryana (India)**

- Brazilian Academy of Pharmaceutical Sciences/ National Academy of Pharmacy

- Faculty of Medicine of Botucatu - (FMB-UNESP) (SP)

- Clinical Research Unit (UPECLIN-UNESP) (SP)

- Hospital das Clínicas of the Faculty of Medicine of Botucatu (HCFMBB-Department of Health) (SP)

- Butantan Institute (SP)

- Federal University of Roraima – UFRR (RR)

- Roraima Institute - UFRR (RR)

- Instituto Vital Brasil (IVB) – Niterói (RJ)

- Pan-American Center for Foot-and-Mouth Disease - Pan American Organization of Health/World Health Organization (RJ) Panafosa – PAHO / WHO

Summary

Technological advances continually arise to improve discovery, rational modification, production and purification of biopharmaceuticals. The identification of different species of microorganisms from Brazilian biodiversity, using innovative strategies, should be carried out with a view to discovery of alternative hosts for heterologous expression. The Center for the Study of Poisons and Venomous Animals (CEVAP) – UNESP Translational Research Unit – since its foundation prospects and develops candidate molecules for the production of biopharmaceuticals. Two bioproducts named respectively “Fibrin Sealant” and “Anti-Apilic Serum” were developed by our team and have already crossed the “Valley of Death”, awaiting investments for phase III clinical research and subsequent registration at ANVISA for its distribution in the Unified Health System (SUS) network. To attend the last stage of phase III research the product requires Good Manufacturing Practices. To get around this challenge the researchers submitted to the Ministry of Health the construction of the Pilot Lot Factory of Biopharmaceuticals for Clinical Research, unique in Latin America, which was approved and tendered by UNESP in August 2021 in the amount of **BRL 12,222,222.20**.



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Ramendra Pati Pandey

Visualize process contents

To access the documents attached to the process, select the "Documents" tab to download to the files.

Process	2021/11936-3	Additional Information
Funding Line	Special Programs / PCD - Programa Ciência para o Desenvolvimento / PCD - CCD - Centros de Ciências para o Desenvolvimento - Call for Proposal (2021)	
Status	In Progress	
Duration	01/01/2023 to 12/31/2027	
Beneficiary	Benedito Barraviera	
Principal Investigator or Supervisor	Benedito Barraviera	
Host Institution	Centro de Estudos de Venenos e Animais Peçonhentos/CEVAP/UNESP	
Title	CENTER FOR TRANSLATIONAL SCIENCE AND BIOPHARMACEUTICAL DEVELOPMENT	

Type of Funding	Grant / Award		
Funding Line	Special Programs / PCD - Programa Ciência para o Desenvolvimento / PCD - CCD - Centros de Ciências para o Desenvolvimento / Call for Proposal (2021)		
Beneficiary	Benedito Barraviera		
Principal Investigator or Supervisor	Benedito Barraviera		
Start Date	01/01/2023	Duration	60 month(s)
Host Institution	Research Institution / Company: Centro de Estudos de Venenos e Animais Peçonhentos/CEVAP/UNESP Department: Unidade Complementar da UNESP		
Start Date	15/10/2021		
Research Category	Basic research with the main goal of advancing fundamental knowledge, but whose results have potential for technological applications.		
Electronic Forms: Research Project			

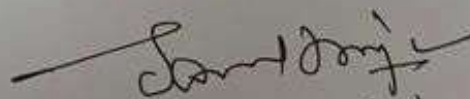
TRANSLATIONAL SCIENCE CENTER AND DEVELOPMENT OF BIOPHARMACEUTICALS

Headquarters Institution

- Center for the Study of Poisons and Venomous Animals - (CEVAP-UNESP), University Paulista State "Júlio de Mesquita Filho" (UNESP) (SP)
- Partner institutions
- Faculty of Pharmaceutical Sciences of Ribeirão Preto (FCFRP), University of São Paulo Paul - USP (SP)
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- Biological Institute of São Paulo (SP)
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- Associated and Collaborating Research Institutions
- State Department of Health of the State of São Paulo (SP)
- Secretary of Entrepreneurship and Innovation of the Ministry of Science, Technology and Innovations (SEMP/ICTI), Federal Government
- Sindusfarma
- Katholieke Universiteit Leuven - KUL (Belgium)
- **SRM University Delhi-NCR, Sonapat, Haryana (India)**
- Brazilian Academy of Pharmaceutical Sciences/ National Academy of Pharmacy
- Faculty of Medicine of Botucatu - (FMB-UNESP) (SP)
- Clinical Research Unit (UPECLIN-UNESP) (SP)
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- Butantan Institute (SP)
- Federal University of Roraima - UFRR (RR)
- Roraima Institute - UFRR (RR)
- Instituto Vital Brasil (IVB) - Niterói (RJ)
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Summary

Technological advances continually arise to improve discovery, rational modification, production and purification of biopharmaceuticals. The identification of different species of microorganisms from Brazilian biodiversity, using innovative strategies, should be carried out with a view to discovery of alternative hosts for heterologous expression. The Center for the Study of Poisons and Venomous Animals (CEVAP) - UNESP Translational Research Unit - since its foundation prospects and develops candidate molecules for the production of biopharmaceuticals. Two bioproducts named respectively "Fibrin Sealant" and "Anti-Apilic Serum" were developed by our team and have already crossed the "Valley of Death", awaiting investments for phase III clinical research and subsequent registration at ANVISA for its distribution in the Unified Health System (SUS) network. To attend the last stage of phase III research the product requires Good Manufacturing Practices. To get around this challenge the researchers submitted to the Ministry of Health the construction of the Pilot Lot Factory of Biopharmaceuticals for Clinical Research, unique in Latin America, which was approved and tendered by UNESP in August 2021 in the amount of **BRL 12,222,222.20**.



REGISTRAR
SRM University, Delhi-NCR Sonapat,
Plot no. 39, R.G.E.C., P.S. Rai,
Sonapat (HR.)- 131029

Visualize process contents

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Title	CENTER FOR TRANSLATIONAL SCIENCE AND BIOPHARMACEUTICAL DEVELOPMENT	

Type of Funding	Grant / Award
Funding Line	Special Programs / PCD - Programa Ciência para o Desenvolvimento / PCD - CCD - Centros de Ciências para o Desenvolvimento / Call for Proposal (2021)
Beneficiary	Benedito Barraviera
Principal Investigator or Supervisor	Benedito Barraviera
Start Date	01/01/2023
Host Institution	Research Institution / Company: Centro de Estudos de Venenos e Animais Peçonhentos/CEVAP/UNESP
Start Date	Department: Unidade Complementar da UNESP
Research Category	15/10/2021 Basic research with the main goal of advancing fundamental knowledge, but whose results have potential for technological applications.

321-322
Appl.No: MDR-TB2017/19

No. BT/PR23092/NER/95/589/2017
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 28/09/2017

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: "**Genomics-driven Dissection of Susceptibility and Drug Resistance to Pulmonary Tuberculosis, with a Geographical Focus on NER**" for a period of 3 Year 0 Month at a total cost of Rs. **82128980** (Rupees Eight Crores Twenty One Lakhs Twenty Eight Thousand Nine Hundred and Eighty Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : "**Genomics-driven Dissection of Susceptibility and Drug Resistance to Pulmonary Tuberculosis, with a Geographical Focus on NER**"

2.2 Details of the Investigators:

Project Coordinator

Prof. Partha Pratim Majumder

Distinguished Professor

Genomics

National Institute of Biomedical Genomics

Netaji Subhas Sanatorium, 2nd Floor, Krishnanagar, West Bengal,

741251

Principal Investigators:

Vaidya

Prof. Partha Pratim Majumder
Distinguished Professor
Genomics
National Institute of Biomedical
Genomics
Netaji Subhas Sanatorium, 2nd
Floor, Krishnanagar, West Bengal,
741251

Dr. Bhaswati Pandit
Assistant Professor
Genetics
National Institute of Biomedical
Netaji Subhas Sanatorium, 2nd
Floor
Kalyani 741251
INDIA, West Bengal, 741251

Dr. Dhiraj Kumar
Group Leader
Cellular Immunology
International Centre for Genetic
Engineering & Biotechnology
Aruna Asaf Ali Marg, New Delhi,
South Delhi, Delhi, 110067

Dr. R K Shandil
Director & Vice president
Biology
Foundation For Neglected Disease
Research (FNDR)
Sir M. Visvesvaraya Institute of
Technology [MVIT], International
Airport Road, Bangalore,
Bangalore, Karnataka, 562157

Dr. Senthilkumar N
Professor
Biotechnology
Mizoram!University,
Aizawl, Mizoram, 796004

Dr. Vanlalfela Vanlalfela
State TB Officer
Directorate Health & Family Welfare
Department of Health & Family
Welfare
Directorate of Health Services,
District TB Centre, Falkawn,
Aizawl, Mizoram, 796005

 **Prof. Samuel Raj**
Professor & Director
Department of Microbiology and
Biotechnology
SRM University Haryana
SRM University, Delhi-NCR,
Haryana, Sonapat, Haryana, 131029

Vandana

CO-PI:

Dr. PARVINDER KAUR

Principal Scientist

Infectious Disease

Foundation for Neglected Disease Research
[FNDR]

Dr. Parvinder Kaur, Foundation for Neglected
Disease Research [FNDR], Sir M. Visvesvaraya
Institute of Technology [MVIT], International
Airport Road, Bangalore-562157., Bangalore -
562157, Karnataka

Dr. Shridhar Narayanan

CSO

FNDR

FOUNDATION FOR NEGLECTED DISEASE
RESEARCH (FNDR)

Sir M. Visvesvaraya Institute of Technology
[MVIT], International Airport Road, Bangalore,
Bangalore - 562157, Karnataka

Dr. Lily Chhakchhuak

District TB Officer, Aizawl District

Health and Family Welfare

Department of Health & Family Welfare

Directorate of Health & Family Welfare, District
TB Centre, Falkawn, Aizawl - 796005, Mizoram

Dr. Lalhrualtuanga Lalhrualtuanga

Assistant Professor

Biotechnology

Mizoram University, Aizawl - 796004, Mizoram

Dr. Ankita Garg

Assistant Professor

Infectious Diseases

National Institute of Biomedical Genomics

Netaji Subhas Sanatorium, 2nd Floor

Kalyani 741251

INDIA, - 741251, West Bengal

Vinita

2. Objectives:

Overall Objectives:

1. Recruitment of patients, clinical sample collection, development of infrastructure for local strain repository and microbiological characterization (MU, STOMZ)
2. Pharmacokinetics and pharmacogenomics studies
3. Pathogen Genomics to understand emergence and prevalence of drug resistance.
4. Exploratory studies on host Genomics and functional genomics to dissect tuberculosis susceptibility and host genetic basis of emergence of drug Resistance
5. Training NER students/postdocs/staff for required skill sets outlined in the objectives

Institute wise Objectives:

Department of Health & Family Welfare

1. Recruitment of patients, clinical sample collection, development of infrastructure for local strain repository and microbiological characterization
2. Pharmacokinetics and pharmacogenomics studies

FOUNDATION FOR NEGLECTED DISEASE RESEARCH (FNDR)

1. Training NER students/postdocs/staff for required skill sets outlined in the objectives
2. Pharmacokinetics and pharmacogenomics studies

International Centre for Genetic Engineering & Biotechnology

1. Pathogen Genomics to understand emergence and prevalence of drug resistance
2. Training NER students/postdocs/staff for required skill sets outlined in the objectives
3. Exploratory studies on host Genomics and functional genomics to dissect tuberculosis susceptibility and host genetic basis of emergence of drug Resistance
4. Recruitment of patients, clinical sample collection, development of infrastructure for local strain repository and microbiological characterization

Mizoram University

1. Recruitment of patients, clinical sample collection, development of infrastructure for local strain repository and microbiological characterization
2. Exploratory studies on host Genomics and functional genomics to dissect tuberculosis susceptibility and host genetic basis of emergence of drug Resistance
3. Training NER students/postdocs/staff for required skill sets outlined in the objectives
4. Pharmacokinetics and pharmacogenomics studies.

National Institute of Biomedical Genomics

1. Pathogen Genomics to understand emergence and prevalence of drug resistance
2. Training NER students/postdocs/staff for required skill sets outlined in the objectives
3. Pharmacokinetics and pharmacogenomics studies
4. Exploratory studies on host Genomics and functional genomics to dissect tuberculosis

V. S. S. S.

susceptibility and host genetic basis of emergence of drug Resistance

SRM University Haryana

1. Training NER students/postdocs/staff for required skill sets outlined in the objectives

2.4 Time Schedule:

The duration of the project is 3 Year 0 Month from the date of this sanction order.

2. Project Cost:

The total cost of the project is Rs. **82128980/-** (Rupees Eight Crores Twenty One Lakhs Twenty Eight Thousand Nine Hundred and Eighty Only) as per details given below :

Vaidali

Institute	Year I	Year II	Year III	Total Cost(Rs.)
1. Department of Health & Family Welfare	4430996	3430996	3431008	11293000
2. FOUNDATION FOR NEGLECTED DISEASE RESEARCH (FNDR)	1740000	1640000	786992	4166992
3. International Centre for Genetic Engineering & Biotechnology	3137984	3138008	2438008	8714000
4. Mizoram University	26573996	7512996	7553004	41639996
5. National Institute of Biomedical Genomics	6755996	6005996	3553000	16314992
Total (Rs.)	42638972	21727996	17762012	82128980

Institute wise details are:

Budget Head	Year I	Year II	Year III	Total(Rs.)
1. Mizoram University				
Equipment	21611000.00			21611000.00
Manpower	1212996.00	1212996.00	1253004.00	3678996.00
Overhead	400000.00	400000.00	400000.00	1200000.00
Consumables	2750000.00	5400000.00	5400000.00	13550000.00
Contingency	200000.00	200000.00	200000.00	600000.00
Travel	100000.00	100000.00	100000.00	300000.00
Workshop/Training	300000.00	200000.00	200000.00	700000.00
Total (Rs.)	26573996.00	7512996.00	7553004.00	41639996.00
2. National Institute of Biomedical Genomics				
Equipment	1100000.00			1100000.00
Manpower	1155996.00	1155996.00	1203000.00	3514992.00
Contingency	100000.00	100000.00	100000.00	300000.00
Consumables	3900000.00	4050000.00	1550000.00	9500000.00

Overhead	400000.00	400000.00	400000.00	1200000.00
Travel	100000.00	100000.00	100000.00	300000.00
Workshop and Training		200000.00	200000.00	400000.00
Total (Rs.)	6755996.00	6005996.00	3553000.00	16314992.00
3. Department of Health & Family Welfare				
Equipment	1000000.00			1000000.00
Manpower	882996.00	882996.00	883008.00	2649000.00
Travel	100000.00	100000.00	100000.00	300000.00
Contingency	100000.00	100000.00	100000.00	300000.00
Consumables	1700000.00	1700000.00	1700000.00	5100000.00
Overhead	348000.00	348000.00	348000.00	1044000.00
Workshop and Training	300000.00	300000.00	300000.00	900000.00
Total (Rs.)	4430996.00	3430996.00	3431008.00	11293000.00
4. International Centre for Genetic Engineering & Biotechnology				
Manpower	873984.00	874008.00	874008.00	2622000.00
Overhead	264000.00	264000.00	264000.00	792000.00
Consumables	1700000.00	1700000.00	1100000.00	4500000.00
Contingency	50000.00	50000.00	50000.00	150000.00
Travel	50000.00	50000.00	50000.00	150000.00
Workshop/Training	200000.00	200000.00	100000.00	500000.00
Total (Rs.)	3137984.00	3138008.00	2438008.00	8714000.00
5. FOUNDATION FOR NEGLECTED DISEASE RESEARCH (FNDR)				
Manpower	390000.00	390000.00	436992.00	1216992.00
Consumables	1100000.00	1000000.00	200000.00	2300000.00
Overhead	100000.00	100000.00	100000.00	300000.00
Travel	25000.00	25000.00	25000.00	75000.00
Contingency	25000.00	25000.00	25000.00	75000.00
Workshop/Training	100000.00	100000.00		200000.00
Total (Rs.)	1740000.00	1640000.00	786992.00	4166992.00

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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:

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

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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.

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 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 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 Director, International Centre for Genetic Engineering & Biotechnology, New Delhi, Delhi, The Director, National Institute of Biomedical Genomics, Kalyani, West Bengal and The CSO, FOUNDATION FOR NEGLECTED DISEASE RESEARCH (FNDR), Bangalore, Karnataka and The Registrar, SRM University Haryana, Sonapat, Haryana and The Registrar, Mizoram University, Aizawl, Mizoram and The State TB Officer, Directorate Health & Family Welfare, District TB Center, Falkawn, Aizawl-796005, Mizoram 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/2535/2018-2019** dated **September, 24 2018**.

11. This sanction order has been noted at serial no. 321-322 in the Register of Grants.

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 Partha P Majumder(Project Co-ordinator), National Institute of Biomedical Genomics Netaji Subhas Sanatorium, 2nd Floor, Kalyani 741251, India
- 3 The Director, International Centre for Genetic Engineering & Biotechnology, ARUNA ASAF ALI MARG, New Delhi - 110067, Delhi
- 4 The Director, National Institute of Biomedical Genomics, Netaji Subhas Sanatorium, Kalyani - 741251, West Bengal
- 5 The State TB Officer, Department of Health & Family Welfare, District TB Center, Falkawn, Aizawl-796005, Mizoram
- 6 The CEO, Foundation For Neglected Disease Research (FNDR), Foundation For Neglected Disease Research (FNDR), Sir M.Visvesvaraya Inst.of Technology [MVIT], Int. Airport Road, Bangalore-562157., Bangalore - 562157, Karnataka
- 7 The Registrar, SRM University Haryana, 39, Rajiv Gandhi Education City, P.S. Rai Post Office, Sonapat, Sonipat - 131029, Haryana
- 8 The Registrar, Mizoram University, POB NO. 190,TANHRIL, Aizawl - 796004, Mizoram
- 9 Dr. Ankita Garg, Assistant Professor, Infectious Diseases, National Institute of Biomedical Genomics, National Institute of Biomedical Genomics, Netaji Subhas Sanatorium, 2nd Floor, Kalyani 741251, India, - 741251, West Bengal
- 10 Dr. Bhaswati Pandit, Assistant Professor, Genetics, National Institute of Biomedical Genomics, National Institute of Biomedical Genomics, Netaji Subhas Sanatorium, 2nd Floor, Kalyani 741251, INDIA, West Bengal.
- 11 Dr. Dhiraj Kumar, Group Leader, Cellular Immunology, International Centre for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi, South Delhi - 110067, Delhi.
- 12 Dr. Lalhrualtuanga Lalhrualtuanga, Assistant Professor, Biotechnology, Mizoram University, Mizoram University, Aizawl - 796004, Mizoram
- 13 Dr. Lily Chhakchhuak, District TB Officer, Aizawl District, Health and Family Welfare, Department of Health & Family Welfare, Directorate of Health & Family Welfare, District TB Centre, Falkawn, Aizawl - 796005, Mizoram
- 14 Dr. Parvinder Kaur, Principal Scientist, Infectious Disease, Foundation for Neglected Disease Research [FNDR], Dr. Parvinder Kaur, Foundation for Neglected Disease Research [FNDR], Sir M. Visvesvaraya Institute of Technology [MVIT], International Airport Road, Bangalore-562157., Bangalore - 562157, Karnataka
- 15 Dr. R K Shandil, Director & Vice president, Biology, Foundation For Neglected Disease Research (FNDR), Sir M. Visvesvaraya Institute of Technology [MVIT], International Airport Road, Bangalore, Bangalore - 562157, Karnataka
- 16 Dr. Senthilkumar N, Professor, Biotechnology, Mizoram University, Aizawl - 796004, Mizoram
- 17 Dr. Shridhar Narayanan, CSO, Foundation For Neglected Disease Research (FNDR), Sir M. Visvesvaraya Institute of Technology [MVIT], International Airport Road, Bangalore -

- 562157, Karnataka
- 18 Dr. Vanlalafela Vanlalafela, State TB Officer, Directorate Health & Family Welfare, Department of Health & Family Welfare, Directorate of Health Services, District TB Centre, Falkawn, Aizawl - 796005, Mizoram
 - 19 Prof. Partha Pratim Majumder, Distinguished Professor, Genomics, National Institute of Biomedical Genomics, National Institute of Biomedical Genomics, Netaji Subhas Sanatorium, 2nd Floor, Krishnanagar - 741251, West Bengal
 - 20 Prof. Samuel Raj, Professor & Director, Department of Microbiology and Biotechnology, SRM University Haryana, SRM University, Delhi-NCR, Haryana, Sonipat - 131029, Haryana
 - 21 Cash Section, DBT (2 copies).
 - 22 Sanction Folder.
 - 23 File Copy.

Vaishali Panjabi

(Dr. Vaishali Panjabi)
Scientist 'E'

Details of the Equipment sanctioned for the implementation of the project titled "**Genomics-driven Dissection of Susceptibility and Drug Resistance to Pulmonary Tuberculosis, with a Geographical Focus on NER**":

Mizoram University

SNo.	Name of Equipment	No.	Cost(Rs.)
1.	Micropipettes (5 SH) & (5 MU)	10	126000.00
2.	GenXpert (SH)	1	2714000.00
3.	Biosafety Class II Cabinet (1 SH) & (1 TB Centre)	2	800000.00
4.	Desktop Computer (SH)	1	74000.00
5.	Deep Freezer (-20C) (1 SH) & (1 TB Centre)	2	76000.00
6.	Flourescent Microscope (SH)	1	1000000.00
7.	Biosafety Cabinet Level III (TB Centre)	1	1879000.00
8.	Refrigerated Centrifuge (TB Centre)	1	450000.00
9.	MGIT + Printer (TB Centre)	1	3200000.00
10.	Walk in Cold Room (TB Centre)	1	577000.00
11.	Walk in incubator (TB Centre)	1	577000.00
12.	Inspissator (TB Centre)	1	490000.00
13.	Incubator (TB Centre)	2	800000.00
14.	Deep Freezer (-80C) (TB Centre)	1	500000.00
15.	Refrigerator (TB Centre)	3	120000.00
16.	Gradient PCR (TB Centre)	1	500000.00
17.	Micropipettes (TB Centre)	1	250000.00
18.	UV-V is Spectrophotometer (TB Centre)	1	600000.00
19.	Flourescent Microscope (TB Centre)	1	1000000.00
20.	Vortex Mixture (TB Centre)	1	40000.00
21.	Balances(TB Centre)	1	100000.00

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22.	Electric Incinerator (TB Centre)	1	500000.00
23.	pH Meter (TB Centre)	2	80000.00
24.	Water Bath (TB Centre)	2	300000.00
25.	Phase Contrast Microscope (TB Centre)	1	400000.00
26.	Millipore Water Purification System (TB Centre)	1	802000.00
27.	Gel electrophoresis (TB Centre)	2	300000.00
28.	Gel Documentation System (TB Centre)	1	800000.00
29.	Microwave Oven (TB Centre)	2	30000.00
30.	Magnetic Stirrer with hotplate (TB Centre)	1	26000.00
31.	UPS (TB Centre)	1	800000.00
32.	Desktop set with printer scanner (TB Centre)	1	74000.00
33.	Horizontal Autoclave (TB Centre)	1	832000.00
34.	Vertical Autoclave (TB Centre)	1	794000.00
Total			21611000.00

National Institute of Biomedical Genomics			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	Deep Freezer (-80oC)	1	500000.00
2.	Deep freezer (-20oC)	1	100000.00
3.	Freezer 4oC	1	50000.00
4.	ELISA Reader	1	450000.00
Total			1100000.00

Department of Health & Family Welfare			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	Renovation, refurbishment including electrification & AC incubator room cold room	1	1000000.00
Total			1000000.00

Vaishali Panjabi
(Dr. Vaishali Panjabi)
Scientist 'E'

Details of the manpower sanctioned for the implementation of the project titled "Genomics-driven Dissection of Susceptibility and Drug Resistance to Pulmonary Tuberculosis, with a Geographical Focus on NER":

Head	No. of Position	Year I	Year II	Year III	Total (Rs.)
1. Department of Health & Family Welfare					
Lab Assistant Lab Assiatant	2		408000.00		408000.00
Lab Assistant Lab Assistant	2	408000.00		408000.00	816000.00
Research Associate RA	1	474996.00	474996.00		949992.00
Research Associate RA	1			475008.00	475008.00
Total(Rs.)		882996.00	882996.00	883008.00	2649000.00
2. FOUNDATION FOR NEGLECTED DISEASE RESEARCH (FNDR)					
Junior Research Fellow JRF	1			436992.00	436992.00
Junior Research Fellow JRF will be involved in conducting the work on PK analysis and animal experiments.	1	390000.00	390000.00		780000.00
Total(Rs.)		390000.00	390000.00	436992.00	1216992.00
3. International Centre for Genetic Engineering & Biotechnology					
Senior Research Fellow SRF	2	873984.00			873984.00
Senior Research Fellow SRF	2		874008.00	874008.00	1748016.00
Total(Rs.)		873984.00	874008.00	874008.00	2622000.00
4. Mizoram University					
Junior Research Fellow JRF	1	330000.00	330000.00		660000.00
Junior Research Fellow JRF	1			370008.00	370008.00
Lab Assistant LA	2	408000.00	408000.00	408000.00	1224000.00
Research Associate RA	1	474996.00	474996.00	474996.00	1424988.00
Total(Rs.)		1212996.00	1212996.00	1253004.00	3678996.00
5. National Institute of Biomedical Genomics					
Junior Research Fellow JRF	1	390000.00	390000.00		780000.00
Junior Research Fellow JRF	1			437004.00	437004.00
Lab Assistant Lab Assistant	1	204000.00	204000.00	204000.00	612000.00

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Research Associate RA	1	561996.00	561996.00	561996.00	1685988.00
Total(Rs.)		1155996.00	1155996.00	1203000.00	3514992.00

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.

Vaishali Panjabi

(Dr. Vaishali Panjabi)
Scientist 'E'

