

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

From: **Meenu Jain** <[meenudrde@gmail.com](mailto:meenudrde@gmail.com)>

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

Subject: ICMR\_Extramural Adhoc proposal\_2020-4077

To: <[directorcd4@srmuniversity.ac.in](mailto:directorcd4@srmuniversity.ac.in)>

Cc: Kamini Walia <[waliakamini@yahoo.co.in](mailto:waliakamini@yahoo.co.in)>, Madhu Mathi <[madhurachel@gmail.com](mailto: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

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**Dr. Meenu Jain**  
Scientist 'C'  
ICMR-AMR Diagnostics Taskforce,  
ECD Division,  
Indian Council of Medical research,  
Ansari Nagar, New Delhi-110029

### 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				
	<b>Total</b>	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

*[Signature]*  
atory

**Check list for covering note to accompany Utilization Certificate of grant for the project for the period .....Sept 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 year .....2021-22.... 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  
Principal Investigator

**with date**  
**Professor of 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



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
<b>Total</b>	<b>21,66,562</b>	<b>21,66,529</b>	<b>33</b>

Interest earned- 29,834 (spent on consumables)

Miscellaneous (remaining)- 7685 (spent on consumables)

Extra amount spent on consumables- 6403

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.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> Thinkpad P1 gen2 Mobile Workstation	250000
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>250000</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - I : (Manpower) Recurring - II : ( Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	401760 466350 0
2	Recurring - IV : (Overhead Charges)	111810
<b>B'</b>	<b>Total (Recurring)</b>	<b>979920</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>1229920</b>

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 P.S.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](http://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.

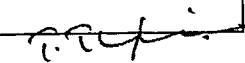
19. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board.

  
(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.	<b>Dr. Manoj Kumar Yadav</b> Department of Bioinformatics <b>SRM University , Plot no.39, rajiv gandhi education city delhi-ncr, sonapat – kundli urban complex,Post office p.s.ra, sonipat, Sonapat, Haryana-131029</b> 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 <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	<b>Vice Chancellor,</b> <b>SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex,Post Office P.S.Rai, Sonipat</b>  (Receipt of Grant may be intimated by name to the undersigned)

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

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

From: **divya kamaraju** <[divya\\_kamaraju@yahoo.co.in](mailto: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](mailto:directorcd4@srmuniversity.ac.in) <[directorcd4@srmuniversity.ac.in](mailto:directorcd4@srmuniversity.ac.in)>

Cc: Dr. Manju Rahi <[manjurahi.hq@icmr.gov.in](mailto: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.



6<sup>th</sup> 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**.

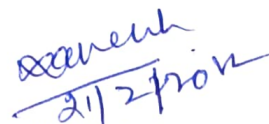
The grant-aid will be given subject to the following conditions:-

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](http://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,

  
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 26588835 / 26588840 / 26588844  
+91-11-26588836 / 26588847  
Fax: +91 11 26588662 | [icmr.nic.in](http://icmr.nic.in)

**BUDGET for the 1<sup>st</sup> 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 <sup>st</sup> Year
1.	Staff	
	JRF (TWO)@31000/-+HRA9%=33,790/-	8,10,960/-
	<b>Total</b>	<b>8,10,960/-</b>
2.	<b>Recurring (Contingencies )</b>	
	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/-
	<b>Total</b>	<b>8,00,000/-</b>
3.	<b>Consumables</b>	
	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 <sub>2</sub> 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/-
	<b>Total</b>	<b>18,00,000/-</b>
4.	<b>Overhead@3%</b>	<b>1,02,329/-</b>
	<b>Sub Total 1+2+3+4</b>	<b>35,13,289/-</b>

*Ved Prakash*  
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 परिषद  
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 1<sup>st</sup> & Final installment for the 1<sup>st</sup> 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 **1<sup>st</sup> & Final installment** for the **1<sup>st</sup> 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



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INDIAN COUNCIL OF  
MEDICAL RESEARCH  
Serving the nation since 1911

भारतीय आयुर्विज्ञान अनुसंधान परिषद  
स्वास्थ्य अनुसंधान 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: 26/12/2023

To,

The Dean  
Banaras Hindu University,  
Varanasi- 221005 Uttar Pradesh

**Subject:-Continuation for the 2<sup>nd</sup> year for 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” Under Prof. Samuel Raj Vethakkani, Prof. and Dean Academics, SRM University, Delhi-NCR Sonapat -131029 (HR)**

Sir,

The Director-General of the Indian Council of Medical Research sanctions for continuation with an allotment for **Rs. 34,36,492/- (Thirty Four Lakh Thirty Six Thousands Four Hundred Ninety Two Only)** as detailed in the attached budget statement for the above mentioned project for the period from **(02.03.2023 to 01.03.2024) 2<sup>nd</sup> Year Continuation)** subject to the following conditions:

1. The grant will be released to the head of the Institution in one installment during the financial year on receipt of the demand in the prescribed form (Appendix-1)  
**1<sup>st</sup> Installment Rs. 30,92,843/-**  
**2<sup>nd</sup> Installment Rs. 3,43,649/- will be released only receipt of final report & Final UC/SoE**  
**Total Rs. 34,36,492/-**

While asking for the release of the installment it may be ensured that the amount for the pay and allowances of the staff who are actually in position is included. The unspent balance available as on out of the funds paid during the year **2023-24** should be intimated. This will be adjusted against the current year's grant.

2. A separate account for the grant received and expenditure incurred shall be maintained. The account will be subjected to audited by the authorized auditors of the Institutions. In case, facilities are not available for such auditing, the account will be audited by the Council's own internal auditors. Latest by the end of December, following the financial year for which the grant is paid, and audit certificate from the auditors to the effect that the accounts have been audited and that the money was actually spent on the objects for which it was sanctioned shall be submitted to the Council along with a list of non-expendable articles purchased out of the grant during the year. Any unspent balance would be refunded to the ICMR on termination of the scheme.

Further grants will be stopped unless audited statements of accounts and utilization certificate are received within a period of the year after the end of the financial year for which grant was sanctioned.

3. The last installment of the grant will be paid on receipt of the audited certificate which should included all the liabilities of last year, expenditure incurred before but the defrayed after termination of the scheme. The prior to which the expenditure pertains should be shown clearly.
4. The grant will not be regarded as a subvention, towards the normal work of the Institution but should be exclusively utilized for the Research activity for which it has been sanctioned.
5. Expenditure should on no account exceed the allotment sanctioned for the enquiry. Expenditure incurred over and above the sanctioned amount against one or more subheads of expenditure such as pay Allowances, contingencies, etc. shall be met without reference to the ICMR by reappropriation of savings under remaining sub-heads provided that the total expenditure incurred during the financial year.

No expenditure shall however, be incurred by reappropriation of savings on items not sanctioned by the Council i.e. non-consumable equipment, stores not sanctioned by the Council Savings shall also not be reappropriated for meeting on incurring expenditure on staff that has not been sanctioned by the Council.

Contd.../-

6. The grant paid by the Council shall be refunded in full by the institution if and when the grantee concerned discontinues a scheme midway or does not follow the detailed technical programme laid down and approved.
7. Receipt, realized by the project officer on behalf of ICMR project, if any, will be remitted to the Council as miscellaneous receipts and not utilized for meeting expenditure of the project.
8. All facilities for conduct of the research scheme basic equipment and ordinary laboratory chemicals, glassware, furniture and other assistance, as may be required, for the smooth working of the research scheme shall be provided by the Institute.
9. The stores purchased out of the grant of the Council shall be entered in the property stock register and presented auditors for check and endorsement. The usual forms used for these registers and all purchases made in accordance with the procedure in vogue in your institution.
10. Only such equipment for which provision has been made in the budget shall be purchased.
11. All the non-expendable articles purchased out of the funds of the Council will be the property of the Council and will not be disposed of without their concurrence.

#### **STAFF**

12. The staff employed on the on the research schemes will not be the Council's employee but for all purposes be treated as employees of the Institute and will be subject to the rules and administrative control of the Institute and will be accordance with the normal recruitment's rules and procedures of the Institute.

The scale of pay, allowances etc. applicable to the staff of the schemes will be the same as admissible under the rules of the grantee Institution.

Prior approval of the Council will however be necessary if pay higher than that admissible under the rules of the Institution is sought to be given e.g. by grant of advances increments or ad-hoc increase.

13. The Council will not be liable to bear any expenditure pension provident fund contribution and or leave salary contribution incurred or committed by the grantee and person appointed on deputation from any other organization.

#### **Report of Work Done**

14. The grant is being sanctioned on the condition that reports on the progress of work done on the research scheme will be submitted by you to the Council as and when called for. Normally a progress report of work done on the enquiry is to be submitted to the Council an and when required, the enquiry maybe discontinued immediately unless there is sufficient justification for non-submission of the report of work done on the research scheme.

#### **Publication**

15. The financial assistance rendered by the Council will be acknowledged in any published account of work which the grant is given.
16. A list of papers published based on the work carried out on enquiry under the auspices of the ICMR shall be obtained before publication of any such paper in a foreign journal.

Contd.../-

### **Patents**

17. The Council shall have the right to take out patent in respect of invention/discoveries made under scheme protect financial by the Council. The Officer-in-charge or the staff employed on. ICMR scheme shall not apply or obtain patents for any invention/discovery made by them without prior approval of the Council.

18. All the patents will be registered in the name of the Indian Council of Medical Research.

### **Termination of Research Scheme**


19. Prior permission of the Council shall obtain if the investigator desires to discontinue the research scheme. The reasons for discontinuing the scheme should invariably be stated.

20. A final report is required to be submitted within one month from the date of termination of the research scheme.

21. A list (in duplicate) of non-expendable and expendable articles together with property registers and suggestions for disposal of the articles should be sent to the Council within a month from the date of termination of the research scheme.

The receipt of this letter may kindly be acknowledged.

Yours faithfully,

  
(Ved Prakash)  
Administrative Officer,


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. Sr. Technical Officer-II, ICMR
4. IRIS ID No-2020-10017

Administrative Officer

**BUDGET STATEMENT**  
**2<sup>nd</sup> Year Period from 02.03.2023 to 01.03.2024**

**“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)**

S. No.	Particulars	2 <sup>nd</sup> Year
<b>1.</b>	<b>Staff</b>	
	Project Assistant (TWO)@32,350/-P.M	7,76,400/-
	<b>Total</b>	<b>7,76,400/-</b>
<b>2.</b>	<b>Recurring (Contingencies )</b>	
	Cost of Publication Charges (in conference, open access journals like scientific reports), etc	2,00,000/-
	Workshop and organizing project meetings.	2,00,000/-
	Purchase of computer Software accessories, software, printer cartridge and stationary expenses to keep of the project, and prepare technical reports	1,00,000/-
	<b>Total</b>	<b>5,00,000/-</b>
<b>3.</b>	<b>Consumables</b>	
	96 Well plate-100/pk, roller bottles, and syringe filters	76,859/-
	24 well plate-100/pk, coverslips, and cell counter	86,396/-
	6 well plate-100/pk, and CO <sub>2</sub> Gases	
	T-25 flask-200/pk, Syringes and needles	95,398/-
	T-75 flask-200/pk, reagents, and supplementary components	94,264/-
	Serological pipettes and pipettors	90,000/-
	Cell culture media, FBS, etc.	3,30,000/-
	FDA approved drugs	3,60,000/-
	Pharmacokinetics and pharmacodynamics (PK/PD) studies	3,00,000/-
	Consumables for in vivo experiment	5,50,000/-
	Miscellaneous cost, etc.	77,083/-
	<b>Total</b>	<b>20,60,000/-</b>
<b>4.</b>	<b>Overhead@3%</b>	<b>1,00,092/-</b>
	<b>Sub Total 1+2+3+4</b>	<b>34,36,492/-</b>

  
 (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  
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भारतीय आयुर्विज्ञान अनुसंधान परिषद  
स्वास्थ्य अनुसंधान 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: 26/12/2023

**Subject:-**Payment of 1<sup>st</sup> Installment for the 2<sup>nd</sup> 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 sanction the payment of Rs. 30,92,843/- (Thirty Lakh Ninety Two Thousands Eight Hundred Forty Three Only) as the 1<sup>st</sup> Installment for the 2<sup>nd</sup> Year the grant for year 2023-24. The amount of Rs. 30,92,843/- may be debited from the provision of Rs. 34,36,492/- made for the above research scheme for the current financial year 2023-24.

The balance of Rs.12,581/- is already available with the officer-in-charge out of grant released during 2023-24. A formal bill for Rs. 21,08,131/- is sent herewith for (i) adjustment of Rs.80,568/- (ii) for payment of Rs 30,12,275/- by RTGS to The Registrar, SRM University, Delhi-NCR Sonapat -131029 (HR).

  
(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 &lt;sudip.k@srmuniversity.ac.in&gt;

**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](http://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](http://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 !!**

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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](mailto: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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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.ra, 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 Uni                      Plot No.39                      Gandhi Education                      – Kundli Urban**  
**Ps**

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 debit 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 ( [ov.in](http://ov.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.ra, sonipat, Sonapat, Haryana-131029 (Parent) :**

<b>PFMS Unique Code</b>	<b>SRMUH</b>
<b>Account Name</b>	<b>SRM</b>
<b>Account Number</b>	<b>35723701835</b>
<b>Bank Name &amp; Branch</b>	<b>State Bank of India MLNS of sports Rai, Motilal Nehru Sports School, Village Rai, Sonapat, Haryana 131029</b>
<b>IFSC/RTGS Code</b>	<b>SBIN0006838</b>
<b>Email address of PI</b>	
<b>Email id of A/C Holder</b>	
<b>Email address of concerned officer</b>	<b>ms_tare@serbonline.in</b>

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.ra, 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 &amp; Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a>.)</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**

**Haryana-131029**- under the mentorship of Dr. Brajendra K Singh, at grant.

of Rs. 18,30,000/- has been approved are given below:

**Gandhi Education City Delhi-ncr, Sonapat – Kundli Urban Complex,Post -131029**

**Office P.s**

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 attendance in the host institute every
2.	Research Grant	Rs. 2,50,000/- annum
3.	Overheads	Rs. 25,000/- 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 Urban Complex, New Delhi, Delhi, Rs. 07 be the installment 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 ([ov.in](http://ov.in)).

6. Overhead support etc. for the cost for providing infrastructural facilities and general administrative 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.raai, 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	
Email id of A/C Holder	
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) :**

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

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.

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ba	ted to SER	est	arned will be	ed as	to the in	e to b	d
fu							

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.

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ce                      ogy (DST), G                      n                      of Ind                      uld inv  
letters in the opening paragraphs of their Annual Report.

15. In                      n, the                      tiga                      st                      i                      must also ac                      dge the support provided to t                      all pub                      on                      en                      any  
other                      eman                      out                      pr                      t                      gram funded                      Science & Engineering Resea                      rd, a st                      ry                      of                      tment  
of Science & Technology (DST), Government of India.

**To,  
Under Secretary  
SERB, New Delhi**

**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. (i) **Dr. Prashant Kumar**  
Chemistry  
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: prashanttomar972@gmail.com  
Mobile: 918527011424  
  
(ii) **Dr. Brajendra K Singh**  
University of Delhi New Delhi, Delhi - 110007  
  
(Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit
5. (i) **Registrar**,  
SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex, Post Office PS.Rai, Sonipat  
  
(ii) **Registrar**  
University of Delhi New Delhi, Delhi - 110007

of Grant                      be intimated                      name to the undersigned)

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: 21<sup>st</sup> 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 with in 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](mailto: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](http://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/-
<b>Total</b>	:	<b>Rs./-6,00,000</b>
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

*[Handwritten signature]*

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, stationery, 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 **15<sup>th</sup> 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](http://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.

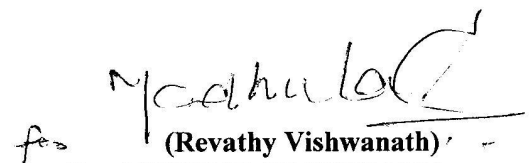
Yours faithfully,

(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**

  
(Revathy Vishwanath)  
For MEMBER-SECRETARY

Title: **Effectiveness and Accessibility of Pubic 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%
	<b>Grand Total</b>	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) Panafiosa – 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**.



**SAGE**

Sistema de Apoio à Gestão do Fomento

Declarações

Requests

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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	

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

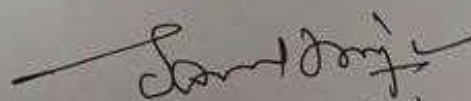
## TRANSLATIONAL SCIENCE CENTER AND DEVELOPMENT OF BIOPHARMACEUTICALS

### 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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- 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**.



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

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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

Adwin

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

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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 :

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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
<b>Total (Rs.)</b>	<b>42638972</b>	<b>21727996</b>	<b>17762012</b>	<b>82128980</b>

Institute wise details are:

Budget Head	Year I	Year II	Year III	Total(Rs.)
<b>1. Mizoram University</b>				
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
<b>Total (Rs.)</b>	<b>26573996.00</b>	<b>7512996.00</b>	<b>7553004.00</b>	<b>41639996.00</b>
<b>2. National Institute of Biomedical Genomics</b>				
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
<b>Total (Rs.)</b>	<b>6755996.00</b>	<b>6005996.00</b>	<b>3553000.00</b>	<b>16314992.00</b>
<b>3. Department of Health &amp; Family Welfare</b>				
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
<b>Total (Rs.)</b>	<b>4430996.00</b>	<b>3430996.00</b>	<b>3431008.00</b>	<b>11293000.00</b>
<b>4. International Centre for Genetic Engineering &amp; Biotechnology</b>				
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
<b>Total (Rs.)</b>	<b>3137984.00</b>	<b>3138008.00</b>	<b>2438008.00</b>	<b>8714000.00</b>
<b>5. FOUNDATION FOR NEGLECTED DISEASE RESEARCH (FNDR)</b>				
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
<b>Total (Rs.)</b>	<b>1740000.00</b>	<b>1640000.00</b>	<b>786992.00</b>	<b>4166992.00</b>

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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](http://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. 324-322 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
<b>Total</b>			<b>21611000.00</b>

#### 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
<b>Total</b>			<b>1100000.00</b>

#### 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
<b>Total</b>			<b>1000000.00</b>

*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.)
<b>1. Department of Health &amp; Family Welfare</b>					
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
<b>Total(Rs.)</b>		<b>882996.00</b>	<b>882996.00</b>	<b>883008.00</b>	<b>2649000.00</b>
<b>2. FOUNDATION FOR NEGLECTED DISEASE RESEARCH (FNDR)</b>					
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
<b>Total(Rs.)</b>		<b>390000.00</b>	<b>390000.00</b>	<b>436992.00</b>	<b>1216992.00</b>
<b>3. International Centre for Genetic Engineering &amp; Biotechnology</b>					
Senior Research Fellow SRF	2	873984.00			873984.00
Senior Research Fellow SRF	2		874008.00	874008.00	1748016.00
<b>Total(Rs.)</b>		<b>873984.00</b>	<b>874008.00</b>	<b>874008.00</b>	<b>2622000.00</b>
<b>4. Mizoram University</b>					
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
<b>Total(Rs.)</b>		<b>1212996.00</b>	<b>1212996.00</b>	<b>1253004.00</b>	<b>3678996.00</b>
<b>5. National Institute of Biomedical Genomics</b>					
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'

## **MEMORANDUM OF AGREEMENT**

This Memorandum of Agreement (MoA) is entered on the 15<sup>th</sup> day of December 2022.

### **BETWEEN**

#### **INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (IISER) PUNE**

having its registered office at Dr. Homi Bhabha Road, Pashan, Pune-411008, herein referred to as the **"INSTITUTE"** acting through PI of iRISE programme, Prof Harinath Chakrapani who has been duly authorized to sign the present agreement on behalf of the institute. which expression shall whenever the context so required as admits, mean and include its successors and assigns on one part

#### **PARTY OF THE FIRST PART**

### **AND**

**SRM University Delhi NCR, Sonapat, Haryana** having its registered address at 39, Rajiv Gandhi Education City, Delhi-NCR, Sonapat, Haryana-131029, India, herein referred to as the **"SRMUH"** acting through its Registrar, Prof. V. Samuel Raj, who has been duly authorized to sign the present agreement on behalf of the institute. Which expression shall whenever the context so required as admits, mean and include its successors and assigns on other part

#### **PARTY OF THE SECOND PART**

WHEREAS the Institute, an autonomous organization, under the Ministry of Education, Govt. of India agrees to collaborate with **SRM University Delhi NCR, Sonapat, Haryana** for Thought Leadership Forum of Inspiring India in Research, Innovation, and Stem Education (iRISE) Programme.

WHEREAS, iRISE is the programme jointly funded by the Department of Science and Technology, GoI, British Council, Royal Society of Chemistry, and Tata Technologies Ltd. Pune with the institute is the implementing partner.

AND WHEREAS the **SRM University Delhi NCR, Sonapat, Haryana** undertakes to collaborate with IISER Pune to implement the Thought Leadership Forum, in collaboration with the Institute, as per the terms and conditions hereinafter contained to which both the parties have agreed.

**NOW IT IS AGREED BY AND BETWEEN THE PARTIES AS UNDER:**

## **OBJECTIVES OF MoA**

- (1) To collaborate on implementing the Thought Leadership Forum on the theme of **"Antimicrobial resistance and Antibiotic use in the Post-Pandemic World"** to produce the policy white paper based on the research.

## **1. DEFINITIONS**

The following words/phrases, unless otherwise agreed to by the parties, shall have the meanings assigned to them herein below:

- a. **"IISER Pune"** means the Indian Institute of Science, Education and Research.
- b. **"SRMUH"**, means **SRM University Delhi NCR, Sonapat, Haryana**
- c. **"iRISE"**, Inspiring India in Research Innovation and STEM Education programme implemented by IISER Pune.
- d. **"Thought Leadership Forum"**, means theme-based forum under iRISE, where academia and industry will collaborate to undertake a comprehensive study to produce reports/papers on globally trending issues of current and future significance related to science, technology, and transitional R&D.
- e. **"Policy white paper"**, a white paper produced after research and deliberations of the experts.

## **2. SCOPE OF COOPERATION**

### **a. For Thought Leadership Forum**

- (1) Undertake research on the theme "Antimicrobial resistance and Antibiotic use in the Post-Pandemic World".
- (2) Organize round tables with eminent scholars, researchers, and top policymakers to deliberate on the issued related to AMR, especially in in the context of the post-COVID19 pandemic world.
- (3) Make policy recommendations to address the challenges related to AMR, especially in Indian context.
- (4) Produce a policy white paper on AMR- the way ahead.

### **3. ROLE AND RESPONSIBILITIES OF IISER Pune**

- (1) Provide the grant for the execution of the Thought Leadership Forum on the basis mutually agreed-on proposal.
- (2) Review and suggest changes in the proposal submitted by the SRMUH for Thought Leadership Forum.
- (3) IISER Pune will recruit a suitable ad hoc consultant for not more than 04 months on the recommendation of SRM University for carrying out research, documentation, and coordination work for the Thought Leadership Forum

### **4. ROLE AND RESPONSIBILITIES OF SRM University Delhi NCR, Sonapat, Haryana**

- (1) Organize Thought Leadership Forum on the theme: "**Antimicrobial resistance and Antibiotic use in the Post-Pandemic World** " as per the mutually agreed proposal and timelines (**Annexure I- Proposal for Thought Leadership Forum**).
- (2) Produce the policy white paper on the theme of the Thought Leadership Forum.
- (3) Provide the utilization certificate against the grant received for the Thought Leadership Forum to IISER Pune.
- (4) Provide any reports, data, and documentation as required by the PI of iRISE and iRISE PMU from time to time.

### **5. JOINT ROLES AND RESPONSIBILITIES OF PARTIES**

- (1) Conceptualizing and planning of the Thought Leadership Forum

### **6. FINANCIAL ARRANGEMENTS**

- (1) IISER Pune has sanctioned the grant of Rs. **22,19,700/-** for Thought Leadership Forum to SRMUH as part of the iRISE programme. SRMUH shall submit the audited Statement of Expenditure(SE) and Utilization certificate(UC) to IISER Pune for the said grant. (**Annexure II Format for SE and UC**)
- (2) For Thought Leadership Forum 80% of the grant will be disbursed by IISER Pune to SRMUH within two weeks after signing of the agreement and the remaining 20% of the grant amount will be disbursed after submission of SE and UC by SRMUH for earlier disbursed funds.
- (3) This MoA doesn't stop SRMUH from raising additional funds for organizing the Thought Leadership Forum.

## **7. CONFIDENTIALITY**

- (1) It is agreed that information communicated between the parties under this MoA is confidential and shall be reserved strictly for its use. Both parties undertake to keep such information secret and shall take all steps necessary to prevent it from being disclosed to third parties.
- (2) Confidential Information shall not include information which:
  - (i) is already in the public domain;
  - (ii) is acquired by the Receiving Party before receiving such information from the Disclosing Party and without restriction as to use or disclosure;
  - (iii) is hereafter rightfully furnished to the Receiving Party by a third party, without restriction as to use or disclosure;
  - (iv) is information that the Receiving Party can document was independently developed by the Receiving Party;
  - (v) is required to be disclosed according to law, provided the Receiving Party uses reasonable efforts to give the Disclosing Party reasonable notice of such required disclosure;
  - (vi) is disclosed with the prior written consent of the Disclosing Party.
- (3) In the event of expiry or termination of this MoA, both parties shall return all documents and information belonging to the other and all copies thereof, in the possession or under control of the first.
- (4) The obligations as regards confidentiality of information, in any form, whatsoever, shall survive the expiry or termination of this MoA up till three years.

## **8. INTELLECTUAL PROPERTY RIGHTS**

- (1) All rights and title to Intellectual Property, whether or not patentable, conceived, and reduced to practice, by any party, under the execution of this MoA, shall be owned jointly by both the parties in the agreement.
- (2) Unless otherwise agreed to, all rights and title to Intellectual Property, whether or not patentable, conceived and reduced to practice, in the performance of the activities under this MoA, exclusively by an employee of any party, shall be owned jointly by both the parties in the agreement.
- (3) All rights and title to Intellectual Property, whether or not patentable, conceived, and reduced to practice jointly by employees of both parties, shall be jointly owned.
- (4) Unless otherwise agreed to, all rights and title to Intellectual Property, whether or not patentable, conceived and reduced to practice, in the performance of the activities under the students' exchange programme carried out under this MoA, exclusively by students of IISER, shall be co-owned by both parties.

- (5) Neither party shall use or license to any third party such jointly owned intellectual property for any purpose whatsoever, without the prior written consent of the other party.
- (6) This clause shall continue to be in effect in perpetuity even after the expiry or termination of this MoA.

## **9. BRANDING**

For all events, meetings, studies, reports, and promotion material under Thought Leadership Forum, the iRISE branding guidelines will be followed. SRMUH and any other partner logos must be used in accordance with iRISE branding guidelines. **(Annexure III- iRISE branding guidelines)**

## **10. COMPLIANCE WITH LAWS**

The parties will mutually assist and cooperate to ensure that the activities to be carried out under this MoA comply with all applicable laws.

## **11. GOVERNMENTAL AUTHORISATION**

All the sanctions, approvals, permissions, licenses and other requirements of the Government and of any Statutory authorities required for giving effect to all the terms and conditions of this MoA under the applicable laws shall be obtained by the respective party.

## **12. COORDINATORS:**

- (1) Each party shall nominate a coordinator to coordinate the activities to be carried out under this MoA and to review their progress.
- (2) The coordinators shall submit a joint report of the activities to be carried out under this MoA to each Party, annually, together with any suggestions for improvements.

## **13. ASSIGNMENT**

No rights or obligations under this Mo shall be assigned or transferred by either party hereto to any third party without the prior written consent of the other party hereto, and any attempted assignment or transfer without such consent shall be null and void.

#### **14. INDEMNITY**

Each Party ("Breaching Party") shall at all times hereafter indemnify and keep the other parties ("Non-Breaching Parties") fully indemnified against all claims, demands, actions, proceedings, losses, damages, costs, charges, expenses, interests and disbursements of any nature whatsoever, which the Non-Breaching Parties may pay or incur or suffer or sustain or be liable to pay or incur or suffer or sustain as a result or consequence, direct or indirect, of any breach of the provisions of this MoA by the Breaching Party or of as a result of an untrue, incorrect or misleading representation made by the Breaching Party.

#### **15. SEVERABILITY**

If either of the provisions hereof becomes invalid or unenforceable as violating any law or regulation or otherwise, this MoA shall be deemed to be severable concerning such provision. Such invalid or unenforceable provision shall be considered to be deleted from this MoA, and the remaining provisions of this MoA shall continue to be valid and binding as if such invalid or unenforceable provision had not been a part of this MoA. Both parties hereto agree to replace such invalid or unenforceable provision hereof, with valid and enforceable provision capable of achieving the purposes of this MoA and the original intent of the parties hereto to the extent it is possible under the applicable laws.

#### **16. CORRESPONDENCES**

All correspondences required to be exchanged under the provisions of this MoA shall be deemed to be satisfactorily given for all purposes of this MoA if given in the English language and delivered by hand or sent by email or regularly scheduled airborne express courier service (where sent from one country to another) by one party to the other party at the address specified by the party.

#### **17. WAIVER**

Any breach of the MoA by either party of any of its respective obligations hereunder may be waived by the other party in writing, provided that such waiver shall not preclude the party granting the waiver from claiming the fulfillment of any obligations set out herein at any additional time a breach of similar or different, is made. Failure of one party to claim upon its rights concerning a breach hereof by the other party shall not, in the absence of a written waiver executed and delivered as provided in the preceding sentence, be deemed a waiver of its rights.

## **18. ENTIRE MOA**

This MoA contains the entire understanding of the two parties. There are no provisions, terms, conditions, or obligations oral or written, expressed or implied other than those contained therein.

## **19. EFFECTIVE DATE AND DURATION OF THE MOA**

This MoA shall be effective from the date it is signed by the parties hereto. The duration of the MoA will be till March 31, 2024, from the effective date, unless or otherwise terminated earlier, as per Clause 21 of this MoA. The MoA duration could be extended after a mutual agreement before March 31, 2024.

## **20. AMENDMENT TO MOA**

No amendment to this MoA shall be valid unless the same is made in writing jointly by the parties hereto or their authorized representatives and explicitly stating the same to be an amendment to this MoA.

## **21. TERMINATION OF MOA**

- (1) During this term, the MoA may be treated as terminated on the happening of any of the events mentioned below:
  - (i) If any party hereto ("Breaching Party") commits a material breach of any term of this MoA and the Breaching Party is served with a notice by the non-breaching party, three months before the intended date of termination by the non-breaching party, and the Breaching Party has failed to cure the breach within the said period.

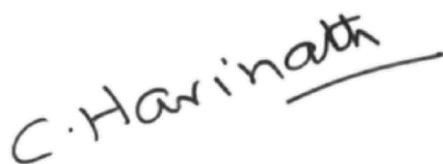
The termination of this MoA under the preceding provisions of this Clause shall be in addition to any other remedies and the right to seek compensation from the Breaching Party which the other Party may have.
  - (ii) If any event happens which will make the performance of this MoA impossible, including any force majeure event, including pandemic.
- (2) During the term of the MoA, the MoA can be terminated by either party giving the other party prior written notice of not less than ninety days of its intention to do so but without dishonoring any commitment entered into before the date of the termination notice.
- (3) Despite termination, the parties shall abide by the usual professional ethics and standard code of conduct to maintain the confidentiality of the information and intellectual property rights.

## **22. SETTLEMENT OF DISPUTE**

Any dispute arising about or in connection with this MoA between the parties shall be resolved by mutual negotiations. In case of any unresolved conflict, the parties shall refer the said dispute for arbitration to the sole arbitrator appointed by the parties hereto. The decision of the arbitrator shall be final and binding on both parties. The Arbitration and Conciliation Act, 1996 shall apply to such arbitration. Such arbitration proceeding shall be held at Pune. The language of the arbitration shall be English.

IN WITNESS of which both the parties hereto have hereunto set their hands the date and year hereinabove mentioned.

**For and on behalf of  
IISER Pune**



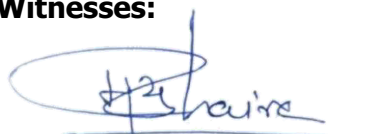
Prof Harinath Chakrapani  
PI of iRISE Programme  
IISER Pune

**For and on behalf of  
SRM University Delhi-NCR, Sonapat,  
Haryana**



Prof. Samuel Raj  
Registrar  
SRMUH

**Witnesses:**



1. Mr. Mayur Khaire  
Head(PMU) iRISE  
IISER Pune



2. Mr. Manoj Madhvan Kutty,  
Director, IR & Administration  
SRMUH

## **Annexure I**

### **Proposal for Thought Leadership Forum**



Annexure I-  
Proposal for TLF on

## **Annexure II**

### **SE/UC format**



Annexure II A-  
Utilization Certificat



Annexure II B-  
Statement of Expen

## **Annexure III**

### **Brand guidelines**



Annexure  
III-iRISE\_Logo\_and\_



Government of India  
Ministry of Science & Technology  
Department of Scientific & Industrial Research  
No.:A2KS-11011/21/2022-IRD(SC)-DSIR

Technology Bhawan, New Delhi  
Dated: **13/10/2023**

**Sanction Order**

**Subject:** Financial support towards the project entitled "A study report on research on indigenous development membranes for hospital waste water treatment in India to promote its recycle and reuse" to Department of Computer Science & Engineering (CSE), SRM University, Sonapat, Haryana under A2K+ studies program of DSIR - Release of the 1st installment of Rs. 9,44,600/- Regd.

Reference is made to the proposal of Department of Computer Science & Engineering (CSE), SRM University, Sonapat, Haryana entitled "A study report on research on indigenous development membranes for hospital waste water treatment in India to promote its recycle and reuse" under A2K+ Studies program of DSIR with the following financial outlay for the project duration of 12 months.

S.No.	Sub-head	Budget (in Rs.)
A	Manpower	5,81,760.00
B	Travel	3,84,000.00
C	Consultation Fees	3,00,000.00
D	Contingency and Consumables	4,50,000.00
E	Overheads	1,71,576.00
	<b>Total</b>	<b>18,87,336.00</b>

2. Sanction of the President of India is hereby conveyed for the release of 1<sup>st</sup> installment of Rs. 9,44,600/- (Rupees Nine Lakhs Forty Four Thousand Six Hundreds Only) as Grants-in-aid under "Grants-in-aid-General Component" for the study project submitted by Department of Computer Science & Engineering (CSE), SRM University, Sonapat, Haryana to meet the expenses of project.

3. The sanction of the President is also accorded to carry forward the unspent balance of **Rs. 0.00/- (Rupees Zero only)** from FY 2022-2023 to FY 2023-2024 in recurring head.

4. The expenditure involved is debit to **Demand No. 91** Department of Scientific & Industrial Research for the financial year **2023-24**:

<b>3425</b>	Other Scientific Research(Major Head)
<b>3425.60</b>	Others : (Sub-Major Head)
<b>3425.60.200</b>	Assistance to Other Scientific Bodies (Minor Head)
<b>3425.60.200.62</b>	Access to Knowledge for Technology Development & Dissemination (A2K+)
<b>3425.60.200.62.01</b>	Access to Knowledge for Technology Development & Dissemination (A2K+)
<b>3425.60.200.62.01.31</b>	Grants-in-aid-General

5. The amount of ₹ 1/- (Rupee One only) against the sanctioned amount of Rs. 9,44,600/- (Rupees Nine Lakhs Forty Four Thousand Six Hundreds Only) will be drawn by DDO, DSIR and disbursed to the "CNA account of CSIR in respect of A2K+ Studies program".

<b>Name of A/C Holder</b>	Council of Scientific & Industrial Research (CSIR) Industrial Research & Development (IRD-1826)
<b>Bank A/C No</b>	110068915050
<b>Name of the Bank &amp; branch</b>	CANARA BANK, Green Park Extension Branch, 1 <sup>st</sup> Floor, 9 Community Centre Gulmohar Enclave, New Delhi-110049
<b>RTGS/IFSC code</b>	CNRB0000350

*Ranjeet*  
13/10/2023  
डॉ. रणजीत बैरवा / Dr. RANJEET BAIRWA  
वैज्ञानिक 'ई' / Scientist 'E'  
भारत सरकार / Government of India  
वैज्ञानिक और औद्योगिक अनुसंधान विभाग  
Department of Scientific & Industrial Research  
टेक्नोलॉजी भवन, नया महरौली मार्ग, नई दिल्ली-110016  
Technology Bhawan, New Mehrauli Road, New Delhi-110016

6. CNA shall assign/allocate the amount of Rs. 9,44,600/- (Rupees Nine Lakhs Forty Four Thousand Six Hundreds Only) to the PFMS Account of SRM University, Sonapat, Haryana.
7. As per Rule 236(1) of GFR, the accounts of SRM University, Sonapat, Haryana shall be open to inspection by the sanctioning authority/Audit whenever SRM University, Sonapat, Haryana is called upon to do so.
8. As per Rule 238(1) of GFR, relating to Utilization Certificate (UC), SRM University, Sonapat, Haryana will be required to submit the UC for the installment of grant released under the project.
9. Central Nodal Agency (CNA) and Implementing Agency (IA)), SRM University, Sonapat, Haryana will be required to comply with Expenditure, Advance and Transfer (EAT) of Public Finance Management System (PFMS).
10. The CNA will keep all the funds received in the CNA Account only and shall not transfer the funds to any other account or not divert the same to Fixed Deposits/Flexi-Account/Multi-Option Deposit Account/Corporate Liquid Term Deposit (CLTD) account etc. The funds released to IA shall not be parked in bank account of any other agency.
11. The CNA and IA will ensure the compliance of OM No.: F.No.1(18)/PFMS/2021 dated 25.07.2022 of Department of Expenditure, Ministry of Finance.
12. This sanction issues under the powers delegated to this Department and with the concurrence of JS & FA, DSIR vide E-File No. 7603/Note-54/JS&FA/DSIR, Dated 25.07.2023 and approval of Head, A2K+, DSIR vide E-File No. 7603/Note-61 dated 04/08/2023.
13. Sanction order details has been entered in the divisional sanction order register vide Sl. No. 42, dated 13.10.2023.

To,  
The Pay & Accounts Officer,  
Department of Science & Technology,  
New Delhi – 110 016.

Ranjeet  
13/10/2023  
डॉ. रणजीत बैरवा (Dr. Ranjeet Bairwa)  
वैज्ञानिक 'ई' / Scientist E  
भारत सरकार / Government of India  
वैज्ञानिक और औद्योगिक अनुसंधान विभाग  
Department of Scientific & Industrial Research  
टेक्नोलॉजी भवन, नया महरौली मार्ग, नई दिल्ली-110016  
Technology Bhawan, New Mehrauli Road, New Delhi-110016

Copy of information and necessary action to: -

1. The Principal Director of Audit, Scientific Department, 3<sup>rd</sup> Floor, AGCR Building, I.P. Estate, New Delhi -110 001.
2. The JS&FA, DSIR, CSIR Headquarters, Anusandhan Bhawan, Rafi Marg, New Delhi – 110 001.
3. DS (IFD), DSIR Technology Bhawan, New Mehrauli Road, New Delhi – 110 016.
4. Drawing and Disbursing Officer, DSIR, Cash Section. (two copies)
5. Prof. V. Samuel Raj, Professor & Dean, Academic Affairs, SRM University, Sonapat - 131029, Haryana.
6. Dr. Ajay Kaushik, Associate Professor, Department of Computer Science & Engineering (CSE), SRM University, Sonapat - 131029, Haryana.
7. Department of Biosciences, Rajagiri College of Social Sciences, Cochin - 683 104, Kerala, India.
8. Dr. Sujata Chaklanobis, Scientist 'G' & Head - A2K+, DSIR, Technology Bhawan, New Delhi.
9. Dr. Vandana Kalia, Scientist 'F' & Member Secretary - A2K+ Studies, DSIR, Technology Bhawan, New Delhi.
10. Nodal Officer - CNA, CRTDH, A2K+, DSIR, Technology Bhawan, New Delhi – 110 016
11. Shri Ankur Jain, Sr. Accounts officer, CNA-DSIR, Anusandhan Bhawan, Rafi Marg, New Delhi – 110 001.
12. Sanction Folder

Ranjeet  
13/10/2023  
डॉ. रणजीत बैरवा / Dr. Ranjeet Bairwa  
वैज्ञानिक 'ई' / Scientist E  
भारत सरकार / Government of India  
वैज्ञानिक और औद्योगिक अनुसंधान विभाग  
Department of Scientific & Industrial Research  
टेक्नोलॉजी भवन, नया महरौली मार्ग, नई दिल्ली-110016  
Technology Bhawan, New Mehrauli Road, New Delhi-110016

**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**

(A statutory body of the Department of Science &amp; Technology, Government of India)

Science and Engineering Research Board

3rd &amp; 4th Floor, Block II

Technology Bhavan, New Mehrauli Road

New Delhi - 110016

Dated: 16 June, 2023

**ORDER**

Subject: Financial Sanction of the research project titled **Deciphering the Methylation status and expression of telomere & telomerase complex genes under Hypobaric Hypoxia** under the guidance of Dr. Arpana Vibhuti, Biotechnology, SRM University, Plot no.39, rajiv gandhi education city delhi-ncr, sonapat - kundli urban complex, Post office p.s.ra, sonipat, Sonapat, Haryana-131029 and by Dr. Ramendra Pati Pandey, Associate Professor, Biotechnology, SRM University - 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. 4357769/-** (Rs. Forty Three Lakh Fifty Seven Thousand Seven Hundred and Sixty Nine Only) with break-up of **Rs. 544489/- under Capital (Non-recurring) head** and **Rs. 3813280/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 4357769/-** has been approved are given below:

The following budget may be considered for **SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat - Kundli Urban Complex, Post Office P.S.Rai, Sonipat**

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> Electroporator MicroPulser -> Gradient Thermal Cycler	544489
A'	Total (Non-Recurring)	544489
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - I : (Research Personnel) Recurring - II : ( Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1257120 2100000 60000
2	Recurring - IV : (Overhead Charges)	396160
B'	Total (Recurring)	3813280
<b>C</b>	<b>Total cost of the project (A' + B')</b>	4357769

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).

3. 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.

4. 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.

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

6. 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.

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

8. 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.

9. 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.

10. The research personnel 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

11. 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.

12. The project File no. CRG/2022/005161 should be mentioned in all communications arising from the above project. The organization/institute/university should ensure that the technical support/financial assistance provided to them by SERB should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

13. 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 SERB.


14. Sanction order for release of funds under a) Non-recurring and b) Recurring will be issued separately depending on the availability of funds. The project become operational from the day the first release of grant received by the implementing Institute.

  
(Dr. Thangaradjou T)  
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.	<b>Dr. Arpana Vibhuti</b> <b>Biotechnology</b> <b>SRM University</b> , Plot no.39, rajiv gandhi education city delhi-ncr, sonapat – kundli urban complex,Post office p.s.ra, sonipat, Sonapat, Haryana-131029 Email: arpanavibhuti@gmail.com Mobile: 919990358922  <b>Dr. Ramendra Pati Pandey</b> <b>Biotechnology</b> <b>SRM University</b> (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	<b>Registrar ,</b> <b>SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex,Post Office P.S.Rai, Sonipat</b>  (Receipt of Grant may be intimated by name to the undersigned)

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

FILE NO. CRG/2022/005161-G  
**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: 16 June, 2023

**ORDER**

Subject: Research project entitled **Deciphering the Methylation status and expression of telomere & telomerase complex genes under Hypobaric Hypoxia** under the guidance of Dr. Arpana Vibhuti, Biotechnology, SRM University, Plot no.39, rajiv gandhi education city delhi-ncr, sonapat – kundli urban complex, Post office p.s.ra, sonipat, Sonapat, Haryana-131029 and by Dr. Ramendra Pati Pandey, Associate Professor, Biotechnology, SRM University.

1. In continuation of SERB's sanction order No. CRG/2022/005161 dated 16 June, 2023, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs.1493511/-** under 'Grants-in-aid General' to SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-ncr, Sonapat – Kundli Urban Complex, Post Office P.s.ra, Sonipat, Sonapat, Haryana-131029 being the grant for the financial year 2023-2024 for implementation of the above said project.
2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website ([www.serb.gov.in](http://www.serb.gov.in)) and as mentioned in the sanction order of even number dated 16 June, 2023.
3. As this is the first grant being released under 'Grants-in-aid General' for the project, no previous U/C is required.
4. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**Interdisciplinary Biological Sciences**) (General).
5. The Sanction has been issued with the approval of the competent authority on **15 June, 2023** and vide Diary No. **SERB/F/2306/2023-2024** dated **16 June, 2023**.
6. The release amount of **Rs. 1493511/-** (Rupees Fourteen Lakh Ninety Three Thousand Five Hundred and Eleven 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:

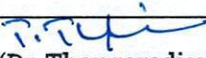
PFMS Unique Code	SRMUH
Account Name	SRMUH RESEARCH AND INNOVATION
Account Number	35244405943
Bank Name & Branch	STATE BANK OF INDIA M L N S OF SPORTS, RAIMotilal Nehru Sports SchoolVillage Rai SonapatHaryana 131029
IFSC/RTGS Code	SBIN0006838
Email id of A/C Holder	registrar@srmuniversity.ac.in
Email id of PI	arpanavibhuti@gmail.com

  
(Dr. Thangaradjou T)  
Scientist F  
[msls@serb.gov.in](mailto: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>Dr. Arpana Vibhuti Biotechnology 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: arpanavibhuti@gmail.com Mobile: 919990358922</p> <p>Dr. Ramendra Pati Pandey Biotechnology SRM University (Start date of the project may be intimated by name to the undersigned. For guidance, terms &amp; Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a>.)</p>
5.	<p>Registrar , SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex,Post Office P.S.Rai, Sonipat</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>

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

FILE NO. CRG/2022/005161-C  
**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: 16 June, 2023

**ORDER**

Subject: Research project entitled **Deciphering the Methylation status and expression of telomere & telomerase complex genes under Hypobaric Hypoxia** under the guidance of Dr. Arpana Vibhuti, Biotechnology, SRM University, Plot no.39, rajiv gandhi education city delhi-ncr, sonapat - kundli urban complex, Post office p.s.ra, sonipat, Sonapat, Haryana-131029 and by Dr. Ramendra Pati Pandey, Associate Professor, Biotechnology, SRM University.

1. In continuation of SERB's sanction order No. CRG/2022/005161 dated 16 June, 2023, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 544489/-** under 'Grants-in-aid Capital' to SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-ncr, Sonapat - Kundli Urban Complex, Post Office Ps.ra, Sonipat, Sonapat, Haryana-131029 being the grant for the financial year 2023-2024 for implementation of the above said project.
2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website ([www.serb.gov.in](http://www.serb.gov.in)) and as mentioned in the sanction order of even number dated 16 June, 2023.
3. As this is the first grant being released under 'Grants-in-aid Capital' for the project, no previous U/C is required.
4. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**Interdisciplinary Biological Sciences**) (Capital).
5. The Sanction has been issued with the approval of the competent authority on **15 June, 2023** and vide Diary No. **SERB/F/2305/2023-2024** dated **16 June, 2023**.
6. The release amount of **Rs. 544489/-** (Rupees Five Lakh Forty Four Thousand Four Hundred and Eighty Nine 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 RESEARCH AND INNOVATION
Account Number	35244405943
Bank Name & Branch	STATE BANK OF INDIA M L N S OF SPORTS, RAIMotilal Nehru Sports SchoolVillage Rai SonapatHaryana 131029
IFSC/RTGS Code	SBIN0006838
Email id of A/C Holder	registrar@srmuniversity.ac.in
Email id of PI	arpanavibhuti@gmail.com

  
(Dr. Thangaradjou T)  
Scientist F  
[msls@serb.gov.in](mailto: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><b>Dr. Arpana Vibhuti</b>  <b>Biotechnology</b>  <b>SRM University</b> , Plot no.39, rajiv gandhi education city delhi-ncr, sonapat – kundli urban complex,Post office p.s.ra, sonipat, Sonapat, Haryana-131029  Email: arpanavibhuti@gmail.com  Mobile: 919990358922</p> <p><b>Dr. Ramendra Pati Pandey</b>  <b>Biotechnology</b>  <b>SRM University</b>  (Start date of the project may be intimated by name to the undersigned. For guidance, terms &amp; Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a>.)</p>
5.	<p><b>Registrar ,</b>  <b>SRM University</b>, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex,Post Office P.S.Rai, Sonipat</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>

  
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