#### RDRM FORM A 1

#### INFORMATION OF SANCTIONED PROJECT AND APPROVAL FOR IMPLEMENTATION

(1	REQUEST	FOR	<b>VICE</b>	CHANCELLOR'S	APPROVAL
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1. Project Title and sanction letter No. Elucidation q Dnal activity q  Sideno phores in Iron Sequestration and Salt folerane  Sanct letter No: SERB   F   7910   2021 - 2022  2. Funding agency: SERB - DST, (rovt q Inolia  3. Department: Dept q Bolany, Goa University  4. Principal Investigator: Dr. Sidolly K. Jalmi  5. Co-investigator (if any): —  6. Duration of project: 2 years  7. Total amount of the project: Rs. Rs. 30,04840 / (8,58,800 fw.), a  8. Sanctioned Sub Heads and amount: Foreth 19, 36,800 / a  10. Manpowere (Recurring): Rs. 8,58,800 / c  11. Travel (Ri): Rs. 25,000 / c  12. Contingency (Ri): Rs. 25,000 / c  13. Sequephine (Riccurring): Rs. 25,000 / c  14. SSR (Receiving)  15. Number and Designations of research staff: 1 project Assistant  16. Dates for submission of Report End q Financial year.  17. b) Dates for submission of utilization certificate: Inol q each Financial	
Solerophores in Iron Sequestration and Salt Folerance  Sanct letter No! SERB   F   7910   2021 - 2022  2. Funding agency: SERB - DST, (rovt of Inolia)  3. Department: Dept of Bolany, Goa University  4. Principal Investigator: Dr. Sidollin K. Jalmi  5. Co-investigator (if any):  6. Duration of project: 2 years  7. Total amount of the project: Rs. Rs. 30,04840   (8,58,800 ford)   8  8. Sanctioned Sub Heads and amount: Forth 10,36,800    a) Equipment (Non-Recurring): Rs. 8,58,800    b) Manpowere (Recurring): Rs. 3,59,600    c) Consumables (Rr.): Rs. 6,64,400    d) Travel (Rr.): Rs. 25,000    e) Consumables (Rr.): Rs. 25,000    f) SSR: Receiving (Rr.)  9. Overhead: Rs. 2,73,000    10. Number and Designations of research staff: 1 Project Assistant  11. Terms and conditions:  a) Dates for submission of Report End of Financial year.	
Sanct · letter No: SERB   F   7910   2021 - 2022  2. Funding agency: SERB - DST, (rovt of Janobia)  3. Department: Dept of Botany, Goa University  4. Principal Investigator: Dr. Siolathi K. Jalmi  5. Co-investigator (if any):  6. Duration of project: 2 years  7. Total amount of the project: Rs. Rs. 30,04840   (8,58,800 f 610), 8  8. Sanctioned Sub Heads and amount: Forth 19,36,800    a) Equipment (Non-Recurring): Rs. 8,58,800    b) Manfowere (Recurring): Rs. 3,59,600    c) Consumables (Ri): Rs. 6,64,400    d) Travel (Ri): Rs 25,000    e) Londingency (Ri): Rs 25,000    9. Overhead: Rs. 2,73,000    10. Number and Designations of research staff: 1 Project Assistant  11. Terms and conditions:  a) Dates for submission of Report End of Financial years.	
3. Department: Dept 9 Botany, Goa University  4. Principal Investigator: Dr. Sidolln' K. Jalmi  5. Co-investigator (if any):  6. Duration of project: 2 Gears  7. Total amount of the project: Rs. Rs. 30,04840/- (8,58,800/knc), 8  8. Sanctioned Sub Heads and amount: Forks 13,26,800/-)  a) Equipment (Non-Recurring): Rs. 8,58,800/-  b) Manfowere (Recurring): Rs. 3,59,600/-  c) Consumables (Rin): Rs. 6,64,400/-  d) Travel (Rin): Rs. 25,000/-  e) Contingency (Rin): Rs. 25,000/-  9. Overhead: Rs. 2,73,000/-  10. Number and Designations of research staff: 1 Project Assistant  11. Terms and conditions:  a) Dates for submission of Report End 9 Financial year.	
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c) Consumables (R11): Rs. 6,64,4001— d) Travel (R11): Rs 25,0001— e) Contragency (R11): Rs 25,0001— (b) SSR (Receiving)  9. Overhead: Rs. 2,73,0001—  10. Number and Designations of research staff: 1 project Assistant—  11. Terms and conditions:  a) Dates for submission of Report End 2 Financial year.	
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11. Terms and conditions:  a) Dates for submission of Report End & Financial year.	\$ 4,000/-
11. Terms and conditions:  a) Dates for submission of Report End & Financial year.	
1. 1955 From Secretary of Problems Control of Particular Secretary and Secretary Secre	
	year.
12. Year wise break-up of the sanctioned amount: Year 1: Recurring: Rs1078, Non Recurring: Rs, 8, 5	.000/- 3,800/-
-2- Year 2: Reeming: - Rs 10,68	,0401-

## (FOR USE BY RDRM)

1. Project No. : GC	D-RDRM/SERB/SK	J) Botany/37/2020-2
2. Amount : Rs.	30,04,840/-	AND APP
3. Duration :	2 years	REQUESTROR
4. Any financial burde	en on University: No.	T. Project Tilesand st
5. Additional space e	essential: No.	Schoolmen
6. Is the PI aware of s	safety regulations? No	Sant littien
7. 15% Overhead exp	penditure included : Rs. 2, 73	,000 -
	's signature : Yes.	3. Department:
	N Alban Salah 101	
Mund	Parky) seement the seement (when	
Director, RDRM	2 Sycans	Date: 23/03/22
(FOR	USE BY VICE CHANCELLO	OR) a Innama Info
	Model and amount of the Add	et das Banctiones . 8
	(Man Lounnig) : Phi 8	a) Equipment
Approved/Net Approved	a. S. 4 2 9 ( ( pierennon) be	
2/1/1/1	M	Hammarained O Taren

Date : 28/0)

### FILE NO. SRG/2021/001830

# 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: 01 February, 2022

Subject: Financial Sanction of the research project titled Elucidation of dual activity of siderophores in iron sequestration and salt tolerance under the guidance of Dr. SIDDHI KASHINATH JALMI, Department of Botany, Goa University , Taleigao, North goa, Goa-403206 - 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. 3004840/- (Rs. Thirty Lakh Four Thousand Eight Hundred and Forty Only) with break-up of Rs. 858800/- under Capital (Nonrecurring) head and Rs. 2146040/- under General (Recurring) head for a duration of 24 months. The items of expenditure for which the total allocation of Rs. 3004840/- has been approved are given below:

The following budget may be considered for Goa University, Taleigao

	DUAL STA	Total (in Rs.)
S. No	Head	Let enstevinU soll
A	Non-recurring Non-recurring	858800
	Equipment -> Universal refrigerated centrifuge -> BOD incubator -> Horizontal laminar air flow	858800
A'	Total (Non-Recurring)	• Ges University, late
В	Recurring Items	863040
1	Recurring - I: (Manpower) Recurring - II: (Consumables, Travel, Contingencies)	1000000
	Recurring - III : Scientific Social Responsibility	273000
2	Recurring - IV : (Overhead Charges)	2146040
B'	Total (Recurring)	3004840
C	Total cost of the project (A' + B')	

- 2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ( 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 activites 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
- 8. The institute will furnish to the SERB, separate Utilization certificate (UCs) financial year wise to the SERB for Recurring (Grants-SERB. 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 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
- 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.

2. The project File no. SRG/2021/001830 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. Pramod Kumar Prasad)

Scientist-D

pk.prasad@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, Del	hi-110002
2.	Sanction Folder, SERB , New Delhi.	audget may as considered for Goa U
3.	File Copy	
4.	Dr. SIDDHI KASHINATH JALMI Department of Botany Goa University , Taleigao, North goa, Goa-403206 Email: siddhi@unigoa.ac.in Mobile: 919158867341 (Start date of the project may be intimated by name to the undersigned. F Please visit www.serb.gov.in.)	aput u nao batorag dia la servicia de la servicia del servicia de la servicia de la servicia del servicia de la servicia del
5.	The Registrar, Goa University, Taleigao	Total (won-recurring) Recurring Reins
3040	(Receipt of Grant may be intimated by name to the undersigned)	Recurring - I: (Manpower)

(Dr. Pramod Kumar Prasad)
Scientist-D
pk.prasad@serb.gov.in
pk.prasad@serb.gov.in

meet the fellowship and salary of supporting staff if any, beyond the duration of the project

#### FILE NO. SRG/2021/001830-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: 01 February, 2022

Subject: Research project entitled Elucidation of dual activity of siderophores in iron sequestration and salt tolerance under the guidance of Dr. SIDDHI KASHINATH JALMI, Department of Botany, Goa University , Taleigao, North goa, Goa-403206.

- I. In continuation of SERB's sanction order No. SRG/2021/001830 dated 01 February, 2022, sanction of the competent authority is hereby accorded to the payment of a sum of Rs.1078000/- under 'Grants-in-aid General' to Goa University , Taleigao, North Goa, Goa-403206 being the grant for the financial year 2021-2022 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) and as mentioned in the sanction order of even number dated 01 February, 2022.
- 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 nder Start-up Research Grant (General).(EC Life Sciences)
- 5. The Sanction has been issued with the approval of the competent authority on 31 January, 2022 and vide Diary No. SERB/F/7910/2021-2022 dated 31 January, 2022...
- 6. The release amount of Rs. 1078000/- (Rupees Ten Lakh Seventy Eight 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	UNIGOA	ACCEPTAGE A A REAL PROPERTY OF THE PROPERTY OF
Account Name	THE REGISTRAR, GOA UNIVERSITY	OWN SARRE STORY OF THE STORY OF
Account Number	10664493609	Tagging Vindors Three and Tagging Three
Bank Name & Branch	STATE BANK OF INDIA SBI, GOA UNIVERSITY COM	PI FY TAI FIGAD BI ATEAU COA ARRES
FSC/RTGS Code	SBIN0004311	ELA, TALLIGAO FLATEAO, GOA-403200
Email id of A/C Holder	fo@unigoa.ac.in	TIEPOTOMICO
Email id of PI	siddhi@unigoa.ac.in	E V

(Dr. Pramod Kumar Prasad) Scientist-D

pk.prasad@serb.gov.in

ler 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 Idiad way, Busic Japon Houses
4.	Dr. SIDDHI KASHINATH JALMI Department of Botany Goa University , Taleigao, North goa, Goa-403206 Email: siddhi@unigoa.ac.in Mobile: 919158867341 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in.)
5.	The Registrar, Goa University, Taleigao  (Receipt of Grant may be intimated by name to the undersigned)

(Dr. Pramod Kumar Prasad)

Scientist-D

pk.prasad@serb.gov.in

- z. The project File no. SRG/2021/001830 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

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pk.prasad@serb.gov.in

To, Under Secretary SERB, New Delhi

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1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Del	lhi-110002
2.	Sanction Folder, SERB , New Delhi.	budget hasy as constacted for Gos U
3.	File Copy	
4.	Dr. SIDDHI KASHINATH JALMI Department of Botany Goa University , Taleigao, North goa, Goa-403206 Email: siddhi@unigoa.ac.in Mobile: 919158867341 (Start date of the project may be intimated by name to the undersigned. F Please visit www.serb.gov.in.)	or guidance, terms & Conditions etc.
5.	The Registrar, Goa University, Taleigao	Total (Non-Recurring) Recurring Items
1 04	(Receipt of Grant may be intimated by name to the undersigned)	

Scientist-D

pk.prasad@serb.gov.in

(Dr. Pramod Kumar Prasad)