

106/c

FILE NO. SRG/2021/001100
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: 12 January, 2022

ORDER

Subject: Financial Sanction of the research project titled Development of a fish feed product prototype using prebiotics and vitamins supplement, from non-pathogenic, gut-friendly halophilic archaea, under the guidance of Dr. Bhakti Balkrishna Salgaonkar, Microbiology, 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. 2811101/- (Rs. Twenty Eight Lakh Eleven Thousand One Hundred and One Only) with break-up of Rs. 1042081/- under Capital (Non-recurring) head and Rs. 1769020/- under General (Recurring) head for a duration of 24 months. The items of expenditure for which the total allocation of Rs. 2811101/- has been approved are given below:

The following budget may be considered for Goa University, Taleigao

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Rotary evaporator with vacuum pump and chiller -> Rice Grinding Machine with Motor -> Fish feed pellet making machine	1042081
A'	Total (Non-Recurring)	1042081
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	803520 700000 10000
2	Recurring - IV : (Overhead Charges)	255500
B'	Total (Recurring)	1769020
C	Total cost of the project (A' + B')	2811101

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 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 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.
12. The project File no. SRG/2021/001100 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, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Bhakti Balkrishna Salgaonkar Microbiology Goa University, Taleigao, North goa, Goa-403206 Email: salgaonkarbhakti@gmail.com Mobile: 918408064984 (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.	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

1021

FILE NO. SRG/2021/001100-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

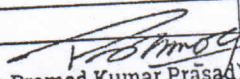
Dated: 12 January, 2022

ORDER

Subject: Research project entitled Development of a fish feed product prototype using prebiotics and vitamins supplement, from non-pathogenic, gut-friendly halophilic archaea. under the guidance of Dr. Bhakti Balkrishna Salgaonkar, Microbiology, Goa University, Taleigao, North goa, Goa-403206.

1. In continuation of SERB's sanction order No. SRG/2021/001100 dated 12 January, 2022, sanction of the competent authority is hereby accorded to the payment of a sum of Rs. 889500/- 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 12 January, 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 under Start-up Research Grant (General) (EC Life Sciences)
5. The Sanction has been issued with the approval of the competent authority on 05 January, 2022 and vide Diary No. SERB/F/7018/2021-2022 dated 10 January, 2022..
6. The release amount of Rs. 889500/- (Rupees Eight Lakh Eighty Nine Thousand Five Hundred 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:

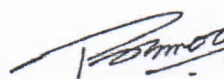
PFMS Unique Code	UNIGOA
Account Name	Goa University
Account Number	10664493609
Bank Name & Branch	State Bank of India State Bank of India, University Branch, Goa University Complex, Taleigao Plateau 403206
IFSC/RTGS Code	SBIN0004311
Email id of A/C Holder	fo@unigoa.ac.in
Email id of PI	salgaonkarbhakti@gmail.com


(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, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Bhakti Balkrishna Salgaonkar Microbiology Goa University, Taleigao, North goa, Goa-403206 Email: salgaonkarbhakti@gmail.com Mobile: 918408064984 (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.	Registrar, Goa University, Taleigao (Receipt of Grant may be intimated by name to the undersigned)


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

(06) 112/C

RDRM FORM A1

INFORMATION OF SANCTIONED PROJECT AND APPROVAL FOR IMPLEMENTATION
(REQUEST FOR VICE CHANCELLOR'S APPROVAL)

1. Project Title and sanction letter no. **"Development of a fish feed product prototype using prebiotics and vitamins supplement from non-pathogenic, gut-friendly halophilic archaea"**. File No: SRG/2021/001100
2. Funding agency: **Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India**
3. Department: **Microbiology**
4. Principal Investigator: **Dr. Bhakti Balkrishna Salgaonkar**
5. Co-Investigator (if any): **Not Applicable**
6. Duration of Project: **Two Years**
7. Total amount of the project: **28,11,101/-** (Twenty Eight Lakhs, Eleven Thousand, Hundred and One rupees only)
8. Sanctioned Sub Heads and amount:
 - a) Manpower : **803520 /-**
 - b) Chemicals/Consumables: **500000/-**
 - c) Contingency: **100000/-**
 - d) Travel: **100000/-**
 - e) Equipments : **1042081/-**
 - f) Scientific Social Responsibility : **10,000/-**
9. Overhead: **255500/-**
10. Number and Designation of research staff: **One (1), Junior Research Fellow**
11. Terms and Conditions
 - a) Dates of submission of Report : **Financial Year Ending**
 - b) Dates for submission of utilization certificate: **Financial Year Ending**
12. Yearwise break-up of sanctioned amount: **Attached as Budget Details**
13. Plan of utilization of sanctioned grant over the year: (use additional sheet)

Attached as Separate Sheet

Dr. Bhakti Balkrishna Salgaonkar
Project Investigator

Date: 31-01-2022

HOD **Sandeep Singh**

Date: 31-01-2022

(FOR USE OF RDRM)

1. Project No. GOLD-RDM/SERB/BBS/Microbiology/39/2020-21.
2. Overhead expenditure sanctioned: Rs. 2,55,500/-
3. Mode of submission of utilization certificate (Half Yearly/ Yearly) yearly
4. Details recorded in
 - a) Section III
 - b) Finance Office
 - c) RDRM

(FOR USE BY VICE CHANCELLOR)

Vice-Chancellor

Dr. Anil B. Meena
01/02/2022

Date: 01/02/2022

Annexure-II**REQUEST FOR ANNUAL INSTALMENT WITH UP-TO-DATE STATEMENT OF EXPENDITURE**

1. SERB Sanction Order No and date : **SRG/2021/001100 ; Date: 12 January 2022**
2. Name of the PI : **Dr. Bhakti Balkrishna Salgaonkar**
3. Total Project Cost : **2811101 (Twenty Eight Lakhs, Eleven Thousand, One Hundred & One Rupee only)**
4. Revised Project Cost (if applicable) : **Not Applicable**
5. Date of Commencement : **24 January 2022**
6. Statement of Expenditure :
(Month wise expenditure incurred during current financial year)

Month & year	Expenditure incurred /committed
January 2022	Nil
February 2022	Nil
March 2022	1,31,870

7. Grant received in each year:
 - a. 1st Year : **19,31,581** (Recurring Amount = 8,89,500 +
Non-recurring Amount = 10,42,081)
 - b. 2nd Year : Nil
 - c. 3rd Year : Nil
 - d. Interest, if any : **7,774** [4342 (Non-recurring) + 3432 (Recurring)]
 - e. Total (a+b+c+d) : **19,39,355**

Statement of Expenditure
(to be submitted financial year wise i.e. DOS* (24th January 2022) to 31st March of that financial year say 2022, 24-01-2022 till 31-03-2022 + 1 year and soon)

Sr. No	Sanctioned Heads (II)	Total Funds Allocated (indicate sanctioned or revised) (III)		Expenditure Incurred				Balance as on (date) (VIII = III-VII)		Requirement of Funds upto 31 st March next year		Remarks (if any)
		Sanctioned (IIIa)	First Installment Received (IIIb)	1 st Year (24 th January 2022 to 31 st March next year) (IV)	2 nd Year (1 st April 2022 to 31 st March next year) (V)	3 rd Year & So on (1 st April to 31 st March next year) (VI)	Total Expenditure till.. (VII= IV+V+VI)	Sanctioned (VIIIa)	First Installment Received (VIIIb)	31 st March 2023	31 st March 2024	
1.	Manpower costs	8,03,520	4,01,760	2,160	NA	NA	2,160	8,01,360	3,99,600	2,160	4,01,760	
2.	Consumables	5,00,000	2,50,000	-	NA	NA	-	5,00,000	2,50,000	-	2,50,000	
3.	Travel	1,00,000	50,000	-	NA	NA	-	1,00,000	50,000	-	50,000	
4.	Contingencies	1,00,000	49,990	1,960	NA	NA	1,960	98,040	48,030	-	50,010	
5.	Others, if any (SSR)*	10,000	10,000	-	NA	NA	-	10,000	10,000	-	-	
6.	Equipment	10,42,081	10,42,081	-	NA	NA	-	10,42,081	10,42,081	10,42,081 (Note*)	-	Note*
7.	Overhead expenses	2,55,500	1,27,750	1,27,750	NA	NA	1,27,750	1,27,750	0	-	1,27,750	
8.	Total	28,11,101	19,31,581	1,31,870	NA	NA	1,31,870	26,79,231	17,99,711	2,160	8,79,520	

SSR* Scientific Social Responsibility

Note* Equipment's could not be purchased in 2021-2022 due to the moral code of conduct between 09-01-2022 to 11-03-2022 in Goa. The same will be purchased by 31st March 2023.

Name and Signature of Principal Investigator: **Dr. Bhakti Balkrishna Salgaonkar**

Signature of Competent financial authority: **Finance Officer**
(with seal) Date: **Goa University**
Taleigao Plateau,
Goa - 403 206

Date:

*DOS-Date of Start of project (24th January 2022)

Note:

- Expenditure under the sanctioned heads, at any point of time, should not exceed funds allocated under that head, without prior approval of SERB i.e. Figures in Column (VIII) should not exceed corresponding figures in Column (III)
- Utilization Certificate (Annexure III) for each financial year ending 31st March has to be closed along with request for carry-forward per mission to the next financial year.

**GFR 12- A [(See Rule 238(1))
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2022**

**In respect of *NON-RECURRING*
as on 31st March 2022 to be submitted to SERB**

Is the UC **Audited** (*Provisional/Audited*)
(To be given separately for each financial year ending on 31st March)

1. Name of the grant receiving Organization: **Goa University**
2. Name of Principal Investigator (PI): **Dr. Bhakti Balkrishna Salgaonkar**
3. SERB Sanction order no. & date : **SRG/2021/001100 ; Date: 12 January 2022**
4. Title of the Project : **Development of a fish feed product prototype using prebiotics and vitamins supplement, from non-pathogenic, gut-friendly Halophilic archaea**
5. Name of the SERB Scheme : **Start-up Research Grant (SRG) (CRG/NPDF/ECR...etc.)**
6. Whether recurring or non-recurring grants : **NON-RECURRING**
7. Grants position at the beginning of the financial year

(i) Carry forward from previous financial year	: Nil
(ii) Others, If any	: Nil
(iii) Total	: Nil
8. Details of grants received, expenditure incurred and closing balances: (Actuals)

Unspent Balance of Grants received previous years [figure as at Sl. No.7 (iii)]	Interest Earned thereon	Interest deposited back to the SERB	Grants received during the year			Total Available funds (1+2-3+4)	Expenditure incurred	Closing Balances (5-6)
1	2	3	4			5	6	7
			Sanction No. (i)	Date (ii)	Amount (iii)			
Nil	4342 (Interest Earned on Sanctioned Capital Assets of Rs. 10,42,081 for F.Y. 2021-2022)	Nil	SRG/2021/001100	24 January 2022	10,42,081	10,46,423	Nil	10,46,423

Component wise utilization of grants:

Grants-in-aid-General	Grant-in-aid-creation for capital assets	Total
-	Expenditure Incurred Nil	Expenditure Incurred Nil

Details of grants position at the end of the year

- (i) Balance available at end of financial year : **10,46,423**
[10,46,423 (Sanctioned Capital Assets + Interest Earned) – Nil (Expenditure Incurred)]
- (ii) Unspent balance refunded to SERB (If any) : **Nil**
- (iii) Balance (Carried forward to next financial year) if applicable: **10,46,423**

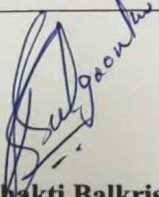
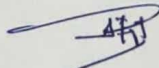
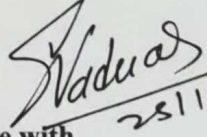
GFR 12- A [(See Rule 238(1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2022
In respect of NON-RECURRING
as on 31st March 2022 to be submitted to SERB
Is the UC Audited (Provisional/Audited)
(To be given separately for each financial year ending on 31st March)

Certified that I have satisfied that the conditions on which grants were sanctioned have been duly fulfilled / are being fulfilled and that I have exercised following checks to see that the money has been actually utilized for the purpose for which it was sanctioned:

- (i) The main accounts and other subsidiary accounts and registers (including assets registers) are maintained as prescribed in the relevant Act/Rules/Standing instructions (mention the Act/Rules) and have been duly audited by designated auditors. The figures depicted above tally with the audited figures mentioned in financial statements/accounts.
- (ii) There exist internal controls for safeguarding public funds/assets, watching outcomes and achievements of physical targets against the financial inputs, ensuring quality in asset creation etc. & the periodic evaluation of internal controls is exercised to ensure their effectiveness.
- (iii) To the best of our knowledge and belief, no transactions have been entered that are in violation of relevant Act/Rules/standing instructions and scheme guidelines.
- (iv) The responsibilities among the key functionaries for execution of the scheme have been assigned in clear terms and are not general in nature.
- (v) The benefits were extended to the intended beneficiaries and only such areas/districts were covered where the scheme was intended to operate.
- (vi) The expenditure on various components of the scheme was in the proportions authorized as per the scheme guidelines and terms and conditions of the grants-in-aid.
- (vii) It has been ensured that the physical and financial performance under **Start-up Research Grant (SRG) (CRG/NPDF/ECR.....etc.)** (Name of the scheme has been according to the requirements, as prescribed in the guidelines issued by Govt. of India and the performance/targets achieved statement for the year to which the utilization of the fund resulted in outcomes given at Annexure-I duly enclosed.
- (viii) The utilization of the fund resulted in outcomes given at Annexure-II duly enclosed (to be formulated by the Ministry/Department concerned as per their requirements /specifications.)
- (ix) Details of various schemes executed by the agency through grants-in-aid received from the same Ministry or from other Ministries is enclosed at Annexure-II (to be formulated by the Ministry/ Department concerned as per their requirements /specifications).

Date: **13-12-2023**

Place: **Taleigao, Goa**

 Dr. Bhakti Balkrishna Salgaonkar Signature of PI:	 Signature with Seal:..... Name: Chief Finance Officer (Head of Finance)	 Signature with Seal:..... Name: Registrar, Goa University (Head of Organization)
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Finance Officer
Goa University
Taleigao Plateau,
Goa - 403 206

Registrar
Goa University
Taleigao Plateau,
Goa - 403 206

(Strike out inapplicable terms)

**GFR 12- A [(See Rule 238 (1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2022**

In respect of *RECURRING*

as on 31st March 2022 to be submitted to SERB

Is the UC **Audited** (*Provisional/Audited*)

(To be given separately for each financial year ending on 31st March)

1. Name of the grant receiving Organization: **Goa University**
2. Name of Principal Investigator (PI): **Dr. Bhakti Balkrishna Salgaonkar**
3. SERB Sanction order no. & date : **SRG/2021/001100 ; Date: 12 January 2022**
4. Title of the Project : **Development of a fish feed product prototype using prebiotics and vitamins supplement, from non-pathogenic, gut-friendly Halophilic archaea**
5. Name of the SERB Scheme : **Start-up Research Grant (SRG)(CRG/NPDF/ECR....etc.)**
6. Whether recurring or non-recurring grants : ***RECURRING***
7. Grants position at the beginning of the Financial year
 - (i) Carry forward from previous financial year : **Nil**
 - (ii) Others, If any : **Nil**
 - (iii) Total : **Nil**

8. Details of grants received, expenditure incurred and closing balances : (Actuals)

Unspent Balance of Grants received previous years [figure as at Sl. No.7 (iii)]	Interest Earned thereon	Interest deposited back to the SERB	Grants received during the year			Total Available funds (1+2-3+4)	Expenditure incurred	Closing Balances (5-6)
1	2	3	4			5	6	7
			Sanction No. (i)	Date (ii)	Amount (iii)			
Nil	3432 (Interest Earned on Released General of Rs. 8,89,500 for F.Y. 2021-2022)	Nil	SRG/2021/001100	24 January 2022	8,89,500	8,92,932	1,31,870	7,61,062

Component wise utilization of grants:

Grants-in-aid-General	Grant-in-aid-creation for capital assets	Total
Expenditure Incurred 1,31,870 (Utilized)	-	Expenditure Incurred 1,31,870 (Utilized)

Details of grants position at the end of the year

- (i) Balance available at end of financial year : **7,61,062**
[8,92,932 (Released General + Interest Earned) – 1,31,870 (Expenditure Incurred)]
- (ii) Unspent balance refunded to SERB (If any) : **Nil**
- (iii) Balance (Carried forward to next financial year) if applicable: **7,61,062**

GFR 12- A [(See Rule 238(1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2022
In respect of *RECURRING*
as on 31st March 2022 to be submitted to SERB
 Is the UC **Audited** (*Provisional/Audited*)
 (To be given separately for each financial year ending on 31st March)

Certified that I have satisfied that the conditions on which grants were sanctioned have been duly fulfilled/are being fulfilled and that I have exercised following checks to see that the money has been actually utilized for the purpose for which it was sanctioned:

- (i) The main accounts and other subsidiary accounts and registers (including assets registers) are maintained as prescribed in the relevant Act/Rules/ Standing instructions (mention the Act/Rules) and have been duly audited by designated auditors. The figures depicted above tally with the audited figures mentioned in financial statements/accounts.
- (ii) There exist internal controls for safeguarding public funds/assets, watching outcomes and achievements of physical targets against the financial inputs, ensuring quality in asset creation etc. & the periodic evaluation of internal controls is exercised to ensure their effectiveness.
- (iii) To the best of our knowledge and belief, no transactions have been entered that are in violation of relevant Act/Rules/ standing instructions and scheme guidelines.
- (iv) The responsibilities among the key functionaries for execution of the scheme have been assigned in clear terms and are not general in nature.
- (v) The benefits were extended to the intended beneficiaries and only such areas/districts were covered where the scheme was intended to operate.
- (vi) The expenditure on various components of the scheme was in the proportions authorized as per the scheme guidelines and terms and conditions of the grants-in-aid.
- (vii) It has been ensured that the physical and financial performance under **Start-up Research Grant (SRG) (CRG/NPDF/ECR.....etc.)** (Name of the scheme has been according to the requirements, as prescribed in the guidelines issued by Govt. of India and the performance/ targets achieved statement for the year to which the utilization of the fund resulted in outcomes given at Annexure-I duly enclosed.
- (viii) The utilization of the fund resulted in outcomes given at Annexure-II duly enclosed (to be formulated by the Ministry/Department concerned as per their requirements /specifications.)
- (ix) Details of various schemes executed by the agency through grants-in-aid received from the same Ministry or from other Ministries is enclosed at Annexure-II (to be formulated by the Ministry/Department concerned as per their requirements /specifications).

Date : 13-12-2023

Place: Taleigao, Goa

 Dr. Bhakti Balkrishna Salgaonkar Signature of PI:	 Signature with Seal:..... Name: Chief Finance Officer (Head of Finance) Finance Officer Goa University Taleigao Plateau, Goa - 403 206	 Signature with Seal:..... Name: Registrar, Goa University (Head of Organisation) Registrar Goa University Taleigao Plateau, Goa - 403 206
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(Strike out inapplicable terms)