



From: Principal & Secretary

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scollegednk.ac.in

Dhaniakhali, Hooghly, 712302

# Sarat Centenary College

Dhaniakhali, Hooghly

Founded: 1976

Recognised Under UGC 2F&12B  
WB Govt. Aided

Affiliated to The University of Burdwan

## 3<sup>RD</sup> CYCLE NAAC ACCREDITATION PROCESS-2024


**CRITERIA: 3 RESEARCH, INNOVATIONS AND EXTENSION**

**Key Indicator: 3.5 Collaboration**

**Metric: 3.5.1- Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.**

**\*Document of Collaborative Research between Sarat Centenary College and Science & Engineering Research Board (SERB)**



  
[DR SANDIP KUMAR BASAK]  
Principal, Sarat Centenary College  
**Principal & Secretary,**  
Sarat Centenary College  
P.O.- Dhaniakhali, Dist.- Hooghly


Dated: 04 July, 2023

**ORDER**

Subject: Research project entitled **Exploring the ecological potential of a lesser known carragenophyte Catenella spp. as an environmental/climate change bio-indicator based on its life cycle and biology of carrageenan biosynthesis for Indian Sundarbans mangrove ecosystem** under the guidance of Dr. Krishna Ray, Botany, West Bengal State University, Barasat govt. college, annexe building, 10, knc road kolkata, Kolkata, West bengal-700124 and by Dr. SANDIP KUMAR BASAK, Principal, Sarat Centenary College.

1. In continuation of SERB's sanction order No. CRG/2022/009348 dated 04 July, 2023, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs.1043397/-** under 'Grants-in-aid General' to West Bengal State University, Barasat Govt. College, Annexe Building, 10, Knc Road Kolkata, Kolkata, West Bengal-700124 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 04 July, 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 (**Organismal and Evolutionary Biology(Plant Sciences)**) (General) .
5. The Sanction has been issued with the approval of the competent authority on **12 June, 2023** and vide Diary No. **SERB/F/2244/2023-2024** dated **15 June, 2023**..
6. The release amount of **Rs. 1043397/-** (Rupees Ten Lakh Forty Three Thousand Three Hundred and Ninety Seven 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:

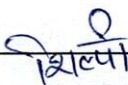
PFMS Unique Code	wbsu
Account Name	WBSU, DBT Project, Dr. Krishna Roy
Account Number	6626687942
Bank Name & Branch	INDIAN BANK Barasat (01693) Uttarayan, Nabapally, 993/1 Barrackpore Road
IFSC/RTGS Code	IDIB000B091
Email id of A/C Holder	fo.wbsu.brst@gmail.com
Email id of PI	kray91@gmail.com

  
(Dr. Shilpi Paul)  
Scientist F  
[ms\\_ps@serbonline.in](mailto:ms_ps@serbonline.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. Krishna Ray Botany West Bengal State University , Barasat govt. college, annexe building, 10, knc road kolkata, Kolkata, West bengal-700124 Email: kray91@gmail.com Mobile: 919433250057</p> <p><b>Dr. SANDIP KUMAR BASAK</b> Botany Sarat Centenary College</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>Registrar , West Bengal State University, Barasat Govt. College, Annexe Building, 10, KNC Road Kolkata</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>

  
(Dr. Shilpi Paul)  
Scientist F  
ms\_ps@serbonline.in



FILE NO. CRG/2022/009348

**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: 04 July, 2023

**ORDER**

Subject: Financial Sanction of the research project titled **Exploring the ecological potential of a lesser known carragenophyte Catenella spp. as an environmental/climate change bio-indicator based on its life cycle and biology of carrageenan biosynthesis for Indian Sundarbans mangrove ecosystem** under the guidance of Dr. Krishna Ray, Botany, West Bengal State University, Barasat govt. college, annexe building, 10, knc road kolkata, Kolkata, West bengal-700124 and by Dr. SANDIP KUMAR BASAK, Principal, Botany, Sarat Centenary College - 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. 4029885/- (Rs. Forty Lakh Twenty Nine Thousand Eight Hundred and Eighty Five Only)** with break-up of **Rs. 1019692/- under Capital (Non-recurring) head** and **Rs.3010193/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 4029885/-** has been approved are given below:

The following budget may be considered for **West Bengal State University, Barasat Govt. College, Annexe Building, 10, KNC Road Kolkata**

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> Centrifuge MiniSpin with standard rotor -> DO meter -> GelDoc -> Turbidity meter with fast tracker	1019692
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>1019692</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - I : (Research Personnel) Recurring - II : ( Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1383840 1200000 60000
2	Recurring - IV : (Overhead Charges)	366353
<b>B'</b>	<b>Total (Recurring)</b>	<b>3010193</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>4029885</b>

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

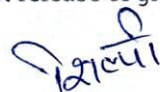
10. The research personnel sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.

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/2022/009348 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. Shilpi Paul)  
Scientist F

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To,  
Under Secretary  
SERB, New Delhi

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5.	<p>Registrar, West Bengal State University, Barasat Govt. College, Annexe Building, 10, KNC Road Kolkata</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>



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FILE NO. CRG/2022/009348-C  
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(A statutory body of the Department of Science & Technology, Government of India)  
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3rd & 4th Floor, Block II  
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1. In continuation of SERB's sanction order No. CRG/2022/009348 dated 04 July, 2023, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 1019692/-** under 'Grants-in-aid Capital' to West Bengal State University, Barasat Govt. College, Annexe Building, 10, Knc Road Kolkata, Kolkata, West Bengal-700124 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) and as mentioned in the sanction order of even number dated 04 July, 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 debit to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**Organismal and Evolutionary Biology(Plant Sciences)**) (Capital).

5. The Sanction has been issued with the approval of the competent authority on **12 June, 2023** and vide Diary No. **SERB/F/2243/2023-2024** dated **15 June, 2023**.

6. The release amount of **Rs. 1019692/-** (Rupees Ten Lakh Nineteen Thousand Six Hundred and Ninety Two 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	wbsu
Account Name	WBSU, DBT Project, P. Krishna Roy
Account Number	6626687942
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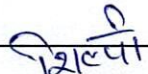
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