

Sanctioned
187

GOVERNMENT OF WEST BENGAL
Science & Technology and Biotechnology DEPARTMENT

Tel:

Fax:

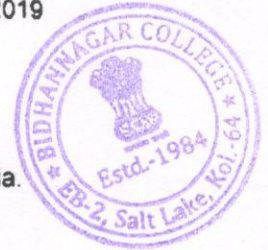
Date: 12/03/2019

Memo No. 416(Sanc)-ST/P/S&T/9G-17/2018

Sanction Order for Grant-in-Aid

Demand No. 70 Department Code: BS Financial Year: 2018 - 2019

- 1 Sanctioning Authority: Science & Technology and Biotechnology
- 2 Name of the Grantee Institution: Bidhannagar College.
- 3 Address of the Grantee Institution: EB-2, Sector-I, Salt Lake, Kolkata-700064, West Bengal, India.
- 4 Category of Grantee Institution: Education Institution
- 5 Amount Sanctioned 818058 (in words Rs. Eight Lakh Eighteen Thousand Fifty Eight Only.)
- 6 Name of the DDO: Registrar, Science & Technology & Biotechnology Dept.
- 7 Department Code: BS-Science & Technology and Biotechnology
- 8 Name of the Treasury/PAO: Pay & Accounts Officer-III, PAO-III
- 9 Nature of Grant (a) Recurring or Non-recurring: Recurring
(b) Capital or Revenue: Revenue
- 10 Condition of Grant Utilisation Certificate required: Yes
- 11 Category of Grant: Education Institution
- 12 Purpose of Grant: 1st year financial assistance for project Biosynthesis of Nanoparticles as Therapeutic Agent using mangrove & Medicinal Plants against Drug Sensitive & Drug Resistant Chemical Isolates of Indian Kala-azar.
- 13 An amount of Rs 818058 is hereby allotted for this period in favour of the Registrar, Science & Technology & Biotechnology Dept. From the head of account 3425-60-200-00-011-31-02-V from the budget provision of the financial year 2018 - 2019 under Demand No.70 Department Code BS and payable to Grantee Institution or by A/c payee cheque/By-Transfer Credit / ECS.
- 14 Head of Account Code: 3425-60-200-00-011-31-02-V
- 15 Name of the Scheme: West Bengal State Council of Science & Technology
- 16 The amount will be drawn in T.R. from No.31.
- 17 The sanctioned amount will be payable to Bidhannagar College. by Transfer Credit to the Head of Account of the LF/PL/Deposit Account of the Grantee Institution or by A/C payee Cheque / ECS as applicable.
- 18 Remarks: The fund has been sanctioned as the 1st year installment of the project. Total project cost is Rs. 16 64 458/- Now Rs 8 18 058/- as 1st year amount will be transferred to Principal Bidhannagar College CSIR, through e-Pradan system to STATE BANK OF INDIA. A/C No 30388712117-(SB), IFSC CODE-SBIN0001612. Mobile Number of the PI 9903072249 All the expenditure must be incurred following the WBFR and UC be submitted as per FD memo No. 1260-FB dt. 29/11/2018
- 19 Total released amount is within the Budget Provision of the above mentioned head of account during 2018 - 2019
- 20 This order issues in exercise of the power delegated under Finance Department Memo No 1872-F.B dated-26 03 2018 1259-F B dated-29 11 2018 & 1260-F B dated-29 11 2018 with the concurrence of Finance Deptt. vide Gr. F.A. Branch. U.O No 308 FA/Education Date 08/03/2019



34
ASSISTANT SECRETARY

11.07.2019
Officer-in-Charge
Bidhannagar College
Salt Lake, Kol.-64



Annexure-B

Audited Statement of Expenditure (Audited SoE)

1. Name of the PI with designation, mobile no. and email id : Dr. Madhumita Manna, Principal, 9903072249, madhumita.manna09@gmail.com
2. Title of the R & D Project: 'Biosynthesis of nanoparticles as therapeutic agent using mangrove and medicinal plants against drug sensitive and drug resistant clinical isolates of Indian Kala-azar'.
3. Name and postal address of the Institute: Bidhannagar College, Sector-1, Salt Lake, Kolkata 700064
4. First Sanctioned G. O. No. and date: 416 (Sanc)-ST/P/S & T/9G-17/2018 Dated 12.03.2019
5. Date of Commencement of the Project: 24.12.2019
6. Total Duration of the Project: Three years
7. Last Sanctioned G. O. No and date (for which the Audited SoE is given): NA
8. Reporting Year of this Audited SoE: 1st year/2nd year/3rd year: 1st year

Item	SIN o	Sanctioned Head as per Budget	Amount allotted as per Sanctioned Budget (A)	Expenditure made during the reporting year (B)	Unspent Balance (C)	Remarks, if any
Non recurring	1.	Permanent Equipments	Rs. 3,83,658/	Rs. 3,85,919/	-Rs. 2261/	
Recurring	1.	Remunerations of JRF @ Rs 18,700/ per month	Rs. 2,24,400/	Rs. 1,73,125/	Rs. 51,275/	
	2.	Consumables (chemicals, reagents, kits)	Rs. 1,50,000/	Rs. 1,52,476/	-Rs. 2476/	
	3.	Travel	Rs. 20,000/-	Rs. 9202/	Rs. 10798/	
	4.	Other costs/Contingencies	Rs. 40,000/-	Rs. 40,176/	-Rs. 176/	
		Total	Rs. 8,18,058/	Rs. 7,60,898/	Rs. 57160/	

Certified that we have exercised all kinds of checks to see that the grant has been utilized for the purpose for which it was sanctioned by DSTBT.

M. Manna
Name & Signature
of Principal Investigator
with Official seal

M. Manna
Name & Signature
of Head of the Institution
with Official seal

Principal
Bidhannagar College
EB-2, Sec.- I, Salt Lake, Kol - 64

FOR AND ON BEHALF OF
M/s. N. B. BAL & ASSOCIATES
CHARTERED ACCOUNTANTS
N. B. Bal
CA, CMA, N. B. BAL, M.COM., MBA (FIN)
FCA, FCMA, DISA, CCC AB, IRDA, LLB
Name & Signature
of Chartered Accountant
with Official seal
MRN - 053577



11.02.2019
Officer-in-Charge
Bidhannagar College
EB-2, Salt Lake, Kol.-64



Science & Technology and Biotechnology DEPARTMENT

Tel:

Fax:

Date: 30/08/2021

Memo No : 506(Sanc.)/STBT-11012(19)/17/2021-ST SEC

Sanction Order for Grant-in-Aid in Cash

Demand No. : 76 Department Code : BS Financial Year : 2021 - 2022

1. Sanctioning Authority: JOINT SECRETARY, Science & Technology and Biotechnology
2. Recipient of Grant: Bidhannagar College.
3. Category of the recipient of Grant: Grantee Institution
4. Amount Sanctioned: Rs.433934/-

Rupees Four Lakh Thirty Three Thousand Nine Hundred Thirty Four Only.

5. DDO Code :- CAFSTA003
6. DDO Designation: Sec. Officer, Science & Technology & Biotechnology Dept.
7. Department Code: BS-Science & Technology and Biotechnology
8. Head of Account Code :76-3425-60-200-011-31-02-V
9. Scheme Name West Bengal State Council of Science & Technology
10. Name of the Treasury/PAO & Accounts office: Pay & Accounts Officer-III, Calcutta PAO-III
11. Type of Grant:- Recurring
12. Utilization Certificate Required or Not: Yes

13. Purpose of Grant : R&D project entitled- Biosynthesis of Nanoparticles As Therapeutic Agent Using Mangroves & Medicinal Plants Against Drug Resistant Clinical Isolates of Indian Kala-Azar.

14. Applicable T.R Form No:- TR Form No.31

15. An amount of Rs.433934/-(Rupees Four Lakh Thirty Three Thousand Nine Hundred Thirty Four Only.) is hereby sanctioned for payment of Grant to the recipients as per SI.No.2 from the Head of Account as stated in Si.No.8 above against the Budget Provision of the Financial Year 2021 - 2022. The sanctioned amount will be payable through Transfer Credit into the LF/PL/Other Deposit Account/ECS/Cheque, as the case may be following the order issued by Finance Department in this regard.

16. Total released amount is within the Budget Provision of the Financial Year. 2021 - 2022

17. This order issues in exercise of the power delegated under Finance Department Memo. No. 950-FB dated 30.03.2021 with the concurrence of Finance Deptt. vide Gr. F.A. Branch U.O. No. 111/FA Date 28/08/2021

18. The Principal Accountant General (A&E), West Bengal and Pay & Accounts Officer/Treasury Officer and other concerned are being informed.

19. Remarks: Present release Rs. 4,33,934/- is the 2nd installment of the total project cost of Rs. 16,64,458/- sanctioned for 3 year (s) work, will be transferred through e-Pradan system to Principal, Bidhannagar College CSIR. A/C No.-30388712117 (Current), IFSC CODE-SBIN0001612, Mobile No.-9903072249.

Signature

Signature
11.08.2021

Officer-in-Charge
Bidhannagar College



Audited Statement of Expenditure (Audited SoE)

Annexure-B

1. Name of the PI with designation, mobile no. and e-mail id: Dr. Somnath Mandal, Assistant professor & Head (WBES) Email- somu25_2@rediffmail.com mobile: 9433734130

Name of the Co-PI with designation, mobile no. and e-mail id: Dr. Madhumita Manna, Additional Director of Public Instructions (Admin), Office of the Director of Public Instructions, Department of Higher Education, Bikash Bhavan, Kolkata - 700091 Email-madhumita.manna09@gmail.com Mobile no.: 9903072249

2. Title of the R&D Project: 'Biosynthesis of Nanoparticles as Therapeutic Agent using Mangrove and Medicinal plants against Drug Sensitive and Drug Resistant Clinical Isolates of Indian Kala-azar'.

3. Name and postal address of the Institute: Bidhannagar College, EB-2, Sector-I, Salt Lake, Kolkata-700064

4. Second year Sanctioned G. O. No. and date: 506(Sanc.)/ST BT-11012(19)/17/2021-ST SEC Dated 30/08/2021

5. Date of Commencement of the Project: 24.12.2019

6. Total Duration of the Project: One year/ Two years/ Three years: Three years.

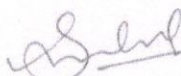
7. Last Sanctioned G. O. No. and date (for which the Audited SoE is given): 416 (Sanc)-ST/P/S&T/9G-17/2018, Dated: 12.03.2019


8. Unspent Balance of Previous year: Rs 466*

9. Reporting year of this Audited SoE: 1st year/2nd year/3rd year: 2nd year

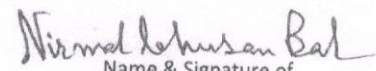
Item	Sl No.	Sanctioned Heads as per Budget	Amount allotted as per Sanctioned Budget(A)	Expenditure made during the reporting year(B)	Unspent Balance(C)	Remarks, If any
Recurring	1.	Remunerations of JRF@Rs.18,700/permonth	Rs.2,24,400/-	Rs.2,24,400/-	NIL	
	2.	Consumables (chemicals, Reagents,Kits)	Rs.1,50,000/-	Rs.1,50,000/-	NIL	
	3.	Travel	Rs.19,534/-	Rs.20000/-*	NIL	Rs 466 (Unspent balance from previous year added with sanctioned Travel grant of Rs. 19,534/-)
	4.	Other costs/contingencies	Rs.40,000/-	Rs.40,000/-	NIL	
		Total		Rs.433934/-	Rs.434400/-	NIL

Certified that we have exercised all kinds of checks to see that the grant has been utilized for the purpose for which it was sanctioned by DSTBT.


Dr. Somnath Mandal
Principal Investigator
with official seal


Dr. Madhumita Manna
Co-Investigator
with official seal

Name & Signature
of head of the
Institution with seal


Nirmal Chhushan Bal
Name & Signature of
chartered accountant
with official seal

Head
Department of Zoology
Bidhannagar College

Prin
Bidhannagar College
Salt Lake, Kol-64
Addl. D.P.I. (Admn.) W.B.
Office of the D.P.I. W.B.
Bikash Bhavan, Salt Lake



FOR AND ON BEHALF OF
M/s. N. B. BAL & ASSOCIATES
CHARTERED ACCOUNTANTS
CA, CMA, N. B. BAL, M.COM., MBA (FIN)
FCA, FCMA, DISA, CCC AB, IRDA, LLB
MANAGING PARTNER
MRN-053577
FRN-314155E

28/11/22

GOVERNMENT OF WEST BENGAL
Science & Technology and Biotechnology DEPARTMENT



Tel:

Fax:

Date: 02/01/2024

Memo No. 1930 (Sanc.)/STBT-11012(19)/17/2021-ST SEC

Sanction Order for Grant-in-Aid in Cash

Demand No. 76

Department Code : BS

Financial Year : 2023 - 2024

1. Sanctioning Authority: SPECIAL SECRETARY, Science & Technology and Biotechnology
2. Recipient of Grant: Bidhannagar College.
3. Category of the recipient of Grant: Grantee Institution
4. Amount Sanctioned: Rs.587830/-
Rupees Five Lakh Eighty Seven Thousand Eight Hundred Thirty Only.
5. DDO Code : CAFSTA003
6. DDO Designation: Registrar, Science & Technology & Biotechnology Dept.
7. Department Code: BS-Science & Technology and Biotechnology
8. Head of Account Code :76-3425-60-200-011-31-02-V
9. Scheme Name : West Bengal State Council of Science & Technology
10. Name of the Treasury/PAO & Accounts office: Pay & Accounts Officer-III, Calcutta PAO-III
11. Type of Grant: Recurring
12. Utilization Certificate Required or Not: Yes

13. Purpose of Grant : R&D project entitled- Biosynthesis of Nanoparticles As Therapeutic Agent Using Mangroves & Medicinal Plants Against Drug Resistant Clinical Isolates of Indian Kala-Azar.

14. Applicable T.R Form No:- TR Form No.31

15. An amount of Rs.587830/-(Rupees Five Lakh Eighty Seven Thousand Eight Hundred Thirty Only.) is hereby sanctioned for payment of Grant to the recipients as per SI.No.2 from the Head of Account as stated in SI.No.8 above against the Budget Provision of the Financial Year 2023 - 2024. The sanctioned amount will be payable through Transfer Credit into the LF/PL/Other Deposit Account/ECS/Cheque, as the case may be following the order issued by Finance Department in this regard.

16. Total released amount is within the Budget Provision of the Financial Year. 2023 - 2024

17. This order issues in-exercise of the power delegated under Finance Department Memo. No. 990-F.B. dated 12.12.2023 with the concurrence of Finance Deptt. vide Gr. F. A. Branch U.O. No. 162/FA Date 27/12/2023

18. The Principal Accountant General (A&E), West Bengal and Pay & Accounts Officer/Treasury Officer and other concerned are being informed.

19. Remarks: Present release Rs. 5,87,830/- is the 3rd & final installment of the total project cost of Rs. 18,40,288/- (revised) sanctioned for 3 year (s) work, will be transferred through e-Pradan system to Principal, Bidhannagar College CSIR. A/C No.-30388712117 (Current), IFSC CODE-SBIN0001612, Mobile No.-9903072249.

Sd/-

Handwritten signature in green ink
11/01/2024

SPECIAL SECRETARY

Officer-in-Charge
College



18

ANNEXURE II
**UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH
KOLKATA CENTRE**

SECTOR III BLOCK LB, PLOT 8, BIDHAN NAGAR, KOLKATA-700006

FORM TR 42
(See Rule of Treasury Rules)
GRANTS IN AID BILL

Head of Account: PROFESSOR FELLOW, CONSUMABLE, CONTINGENCY

Total: 21,34,000/- Contingency: 15,00,000/- Consumables: 30,000/-
Rupees (words): 21 LAKH SIXTY FOUR THOUSAND
TOTAL HUNDRED ONLY

For the period SEP 19 - AUG 20 sanctioned in the letter no UGC-DAE-CSR-KC/CRS/19/TE04/3072 dated 30-05-2019

For Project titled ASSESSMENT OF TRACE ELEMENT PROFILES OF SOME MEDICINAL PLANT AND MANGROVES WITH RESPECT TO THEIR ANTI-LEISHMANIAL ACTIVITY
Authority in whose favour the NEFT is to be done

NEFT details	
Account No	<u>34650100004309</u>
IFSC Code	<u>BABB0SALKOL</u>
Bank	<u>BANK OF BARODA</u>
Account Type	<u>SAVING</u>
Complete Postal Address of the University / College	
<u>BIDHANNAGAR COLLEGE</u>	
<u>EB-2, SECTOR I, SALT LAKE</u>	
<u>KOLKATA 700 064, WEST BENGAL</u>	

(For the use of UGC-DAE CSR, Kolkata Centre)

Pay to: _____ Rupees (words) _____ only

Examined: _____

CERTIFICATE TO BE GIVEN BY GUARANTEE INSTITUTION

Bidhannagar College agrees to be governed by the sanction

letter no UGC-DAE-CSR-KC/CRS/19/TE04/3072 dated 30-05-2019

for ASSESSMENT OF TRACE ELEMENT PROFILES OF SOME MEDICINAL PLANTS AND MANGROVES WITH RESPECT TO THEIR ANTI-LEISHMANIAL ACTIVITIES

Principal
Officer-in-Charge Finance Officer / Registrar University / College
Bidhannagar College
EB-2, Salt Lake, Kol.-64

Handwritten signature and initials

Vertical stamp: Officer-in-Charge Bidhannagar College, Kol.-64



UTILIZATION CERTIFICATE

Certified that Rs. 45,000/- (Rs.30,000/- for consumable+Rs. 15,000/- for contingency) of Grant in aid sanctioned during the year 2019-2020 in favor of the Principal, Bidhannagar College Kolkata under UGC-DAE KC CRS letter no. UGC-DAE-CSR-KC/CRS/19/TE04/1072 dated 10.05.19 has been utilized fully for the purpose of consumables and contingency [1st installment].

It is further certified that Rs. 2,08,320/- of Grant in aid [for the period 01.09.2019 to 31.08.2020] sanctioned during the year 2019-2020 in favor of the Principal, Bidhannagar College, Kolkata under UGC-DAE KC CRS letter no. UGC-DAE-CSR-KC/CRS/19/TE04/1072 dated 10.05.19 for the purpose of fellowship has also been utilized in the following way:

Fellowship drawn by Project fellow, Ms. Sulagna Dutta : Rs. 2,08,320/-

Unspent fellowship: Nil

M. Prana
Signature of
Principal Investigator
Bidhannagar College

S. Chakraborty
Signature of Accountant
Bidhannagar College

M. Prana
Signature of Principal
Bidhannagar College
Principal
Bidhannagar College
Salt Lake, Kol-64



FOR AND ON BEHALF OF
M/s. N. B. BAL & ASSOCIATES
CHARTERED ACCOUNTANTS

CA, CMA, N. B. BAL, M.COM, MBA (FIN)
FCA, FCMA, DISA, CCC AB, IRDA, ILF
MANAGING PARTNER

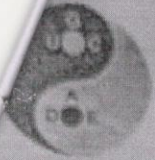
Signature of Chartered
Accountant



*Accountant
by hand
21/1/20*

11.07.2019

Officer-in-Charge
Bidhannagar College
EB-2, Salt Lake, Kol.-64



Kolkata Centre
कोलकाता केन्द्र

UGC-DAE Consortium for Scientific Research

विश्वविद्यालय अनुदान आयोग - परमाणु ऊर्जा विभाग वैज्ञानिक अनुसंधान संकुल

(An autonomous institution of UGC, New Delhi)

(विश्वविद्यालय अनुदान आयोग, नई दिल्ली द्वारा स्थापित स्वशासी संस्थान)

(Formerly Inter University Consortium for DAE Facilities, IUC-DAEF)



SECTOR CO-ORDINATOR
KOLKATA

UGC-DAE-CSR-KC-CRS-19/20-04-2020

Date: 20/10/2020

RE NOTIC

To
The Principal,
WBSU, Bidhanagar College
1-B-2 Sector, Salt Lake
Kolkata - 700064, W.B

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basis of
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Sub: UGC-DAE-CSR-KC Collaborative Research Scheme (Research Project) entitled "Assessment of Trace Elements Profiles of some Medicinal Plants and Mungorves With Respect To Their Antileishmanial activities" of Dr. Madhumita Manna, Principal, WBSU, Bidhanagar College 1-B-2 Sector, Salt Lake, Kolkata - 700064, W.B

hem.
IRL, B

Dear Sir / Madam,

This is to inform, that based on the recommendations of the Project Review Committee, on evaluation of the progress report submitted by the PI, UGC-DAE Consortium for Scientific Research Kolkata Centre, has extended the aforementioned CRS, for full support (research scholar, contingency, consumables and travel) for the second year w.e.f 1st June 2020.

or, Di

It is requested that Utilization certificate, for the last year, if not submitted earlier, and the claim for the second year with filled TR42 form (enclosed herewith) may please be sent at the earliest for further financial processing at the Centre.

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Please note that the fellowship of Project Associate I and Project Associate II have been revised w.e.f 1st June 2019, from Rs. 25,000/- and Rs. 2,8000/- to Rs. 31,000/- and Rs. 35,000/-, respectively with admissible HRA. There have not been any changes in other categories (fellowship details attached)

cate

All communications pertaining to the CRS are to be made to the undersigned.

Yours sincerely,

Dr. Anindita Chakraborty
Research Co-ordinator (Trace Element Science)

Copy to

Dr. Madhumita Manna, Principal, WBSU, Bidhanagar College, 1-B-2 Sector, Salt Lake, Kolkata - 700064, W.B

Administrative Officer (Accounts), UGC-DAE-CSR, Kolkata Centre

11.09.2019

Officer-in-Charge
Bidhanagar College
EB-2, Salt Lake, Kol.-64

220.

Kolkata Centre
কলকাতা কেন্দ্র

UGC-DAE Consortium for Scientific Research
विश्वविद्यालय अनुदान आयोग - परमाणु ऊर्जा विभाग वैज्ञानिक अनुसंधान संकुल
(An autonomous institution of UGC, New Delhi)
(विश्वविद्यालय अनुदान आयोग - परमाणु ऊर्जा विभाग वैज्ञानिक अनुसंधान संकुल)
(Formerly Inter University Consortium for DAE Facilities, IUC-DAEF)



Ref: UGC-DAE, CSR/PROJECT/ACCT/2021/2020/0058

Date: 18/01/21

To
The Registrar Principal,
University of
WBSES, Bidhannagar College. Sub: UGC-DAE, CSR Research Project to
EB-2 Sector, Salt Lake. Prof / Dr. Madhumita Manna
Kol - 64.
Sir.

With reference to above subject amount Rs. 2,53,320/-

(Rupees Two Lakh fifty three thousand three hundred twenty only) Vide DD on
Payment Advice No. CO 22112794188 No. Dtd. 21/5/2021 May please be
found enclosed towards the 2nd installment.

The details of the same are as follows -		Contingency + Consumable.	95000/-
a) <u>2nd</u> Installment	HRN	Rs.	40,320/-
	<u>TA-12</u>		
b) JRF Scholarship Mr. / Ms.	Fellowship -	Rs.	1,58,000/-
(w.e.f. <u> </u> to <u> </u>)			

(Rs. Two Lakh fifty three thousand three hundred twenty only.)

Total Rs 2,53,320/-

This may please be acknowledged.

Yours Sincerely,

[Signature]
Centre Director
UGC-DAE, CSR, Kolkata Centre

Enclosed: as above.
Copy to: Prof / Dr. Madhumita Manna
Dept of Bidhannagar College
University of

Administrative Officer-I (Accounts)
UGC-DAE Consortium
for Scientific Research
Kolkata Centre

To
The Principal:
WBSES, Bidhannagar College,
EB-2 Sector, Salt Lake
W.B - KOL-64

[Signature]
Officer-in-Charge
Bidhannagar College
EB-2, Salt Lake, Kol.-64

Audit Report

Statement showing the grant sanctioned, amount spent and balance available financial year wise (up to June 2021) UGC-DAE/collaborative research scheme entitled 'Assessment of Trace Elements Profiles of Some Medicinal Plants and Mangroves with respect to their Antileishmanial Activities' under Dr. Shubhankar Samanta (PI), Bidhannagar College, Salt Lake, Kolkata and Dr. Madhumita Manna (Co-PI), Additional Director of Public Instructions, Department of Higher Education, Bikash Bhavan, Kolkata for the period 01.06.2020 to 31.05.2021 project reference no. UGC-DAE-CSR-KC/CRS/19/TE-04/535 Dated: 20/10/2020.

Subhead	Total Grant Allocated	Grant released	Actual Expense Incurred	Commitment	Unspent
Salaries project fellow@14000+ H.R.A/pm	Rs. 2,08,320/-	Rs. 2,08,320/-	Rs. 1,73,600/-		Fellowship remain Rs. 34720/- for the month of July 2021 & August 2021
Equipment	NA	NA	NA	NA	NA
Contingency (2 nd instalment)	Rs.15000/-	Rs. 15000/-	Rs. 15000/-	NA	NA
Consumable (2 nd instalment)	Rs. 30000/-	Rs. 30000/-	Rs. 30000/-	NA	NA
Travel	NA	NA	NA	NA	NA

Shubhankar Samanta
Signature of 30/07/2021
Principal Investigator
Bidhannagar College
Salt Lake
Kolkata 700064

M. Manna
Signature of
Co-Principal Investigator
Additional Director of Public Instructions
Department of Higher Education
Bikash Bhavan, Kolkata 700064

S. Chakrabarty
Signature of
Accountant
Bidhannagar College

J.D.
Signature of
Officer-In-Charge
Bidhannagar College
Salt Lake, Kolkata 700064

Project Investigator
Chemical Science
Bidhannagar College

Addl. D.P.I. (Admin.) W.B.
Office of the D.P.I., W.B
Bikash Bhavan, Salt Lake

Officer-in-Charge
Bidhannagar College
EB-2, Salt Lake, Kol. 700064



Handwritten signature and date: 11.07.2021



UGC-DAE Consortium for Scientific Research

विश्वविद्यालय अनुदान आयोग - परमाणु ऊर्जा विभाग वैज्ञानिक अनुसंधान संकुल

(An autonomous institution of UGC, New Delhi)

(विश्वविद्यालय अनुदान आयोग - नई दिल्ली द्वारा स्थापित संशोधन संस्थान)

(Formerly Inter University Consortium for DAE Facilities, IUC, DAEF)

Kolkata Centre
कोलकाता केंद्र

Ref UGC-DAE/CSR/PROJECT/ACCT/2022/0565

Date 21/01/22

To
The Principal, WBSES, Bidhannagar College,
EB-2- Seefor Salt Lake
Kolkata-700064 W.B

Sub: UGC-DAE, CSR Research Project to
Prof. Dr. Shubhanakar Samanta

Sir,

With reference to above subject amount Rs. **2,58,360/-**

(Rupees Two Lakh fifty eight thousand three hundred sixty only, only) Vide DD on

Payment Advice No. CO12219589938 No. PFMS Dtd 07/01/22 May please be

found enclosed towards the 2nd installment.

The details of the same are as follows -

a) 2nd Installment

Fellowship - Rs. 1,68,000/-

HRA - Rs. 45,360/-

TR-42
b) IRF Scholarship Mr. Ms

Contingency - Rs. 45,000/-

(u.c.f. _____ to _____)

Rs. Two Lakh fifty eight thousand three hundred sixty only.

Total Rs. 2,58,360/-

This may please be acknowledged

Yours Sincerely,

Administrative Officer-I (Accounts)
UGC-DAE Consortium
for Scientific Research Kolkata Centre
Kolkata Centre

Enclosed as above

Copy to Prof. Dr. Shubhanakar Samanta / 0566

Dept of Chemistry (Chemical)

Bidhannagar College
Bidhannagar W.B
Salt Lake - EB-2
KOL-700064

(Handwritten signature)
11.07.2022

Officer-in-Charge
Bidhannagar College
EB-2, Salt Lake, Kol.-64

FILE NO. CRG/2019/003204

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: 01-Jan-2020

ORDER

Subject: Financial sanction of the research project titled "Study on the Improved Estimation of Population Size based on capture-recapture technique with Applications to Socio-Economic, Demographic and Epidemiological Surveillance Counts" under the guidance of Dr. KIRANMOY CHATTERJEE, Department of Statistics, Bidhannagar College, Kolkata, Eb-2, sector-1, salt lake, kolkata, Kolkata, West bengal-700064 - 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. 1346946/- (Rs. Thirteen Lakh Forty Six Thousand Nine Hundred and Forty Six Only)** with break-up of **Rs. 84497/- under Capital (Non-recurring) head** and **Rs. 1262449/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 1346946/-** has been approved are given below:

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Desktop	84497
A'	Total (Non-Recurring)	84497
B	Recurring Items	
1	Recurring - I : (Manpower)	720000
	Recurring - II : (Consumables, Travel, Contingencies)	360000
	Recurring - III : Scientific Social Responsibility	60000
2	Recurring - IV : (Overhead Charges)	122449
B'	Total (Recurring)	1262449
C	Total cost of the project (A' + B')	1346946

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 84497/-** (Rupees Eighty Four Thousand Four Hundred and Ninety Seven only) under 'Grants for creation of capital assets' and **Rs. 460816/-** (Rupees Four Lakh Sixty Thousand Eight Hundred and Sixteen only) under 'Grants-in-aid General' to **PRINCIPAL, BIDHANNAGAR COLLEGE, SALT LAKE, Bidhannagar College, Kolkata, EB-2, Sector-1, Salt Lake, Kolkata** being the first installment of the grant for the year 2019-2020 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 Core Research Grant. (PAC Mathematical Science)

4. The Sanction has been issued to Bidhannagar College, Kolkata, EB-2, Sector-1, Salt Lake, Kolkata with the approval of the competent authority under delegated powers on **31 December, 2019** and vide Diary No. **SERB/F/8330/2019-2020** dated **31 December, 2019**

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

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

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

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

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

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

11. The release amount of **Rs. 545313/-** (Rupees Five Lakh Forty Five Thousand Three Hundred and Thirteen only) will be

GFR - 12A

[(See rules 238(1))]

UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2019-2020In respect of NON-RECURRINGAs on 31.3.2020 to be submitted to SERBIs the UC Audited (Provisional/Audited)

1. Name of the grant receiving organization : BIDHANNAGAR COLLEGE, EB-2, SECTOR-I, SALT LAKE, KOLKATA
2. Name of Principal Investigator (PI) : DR. KIRANMOY CHATTERJEE
3. SERB Sanction Order no. and date : SERB/F/8330/2019-2020 dated 31.12.2019 (File No. CRG/2019/003204)
4. Title of the Project : Study on the Improved Estimation..... Surveillance Counts
5. Name of the SERB Scheme : CORE RESEARCH GRANT (CRG) (CRG/MPDF/ECR etc.)
6. Whether recurring or non-recurring grants : NON-RECURRING
7. Grant position at the beginning of the Financial year
 - (i) Carry forward from previous financial years : Not Applicable (N.A.)
 - (ii) Others, if any : N.A.
 - (iii) Total : Nil.
8. Details of grants received, expenditure incurred and closing balances: (Actual)

Unspent balance of the grants received previous years [Figure as at Sl. No. 7(iii)]	Interest earned thereon	Interest deposited back to the SERBI	Grants received during the year			Interest earned during the current year	Total Available funds (1+2+3+4+5)	Expenditure incurred	Closing Balances (6-7)
1	2	3	4			5	6	7	8
			Sanction No. (i)	Date (ii)	Amount (iii)				
<u>Nil</u>	<u>Nil</u>	<u>Nil</u>	<u>SERB/F/8330/2019-2020</u>	<u>31.12.19</u>	<u>Rs. 84497</u>	<u>NIL</u>	<u>Rs. 84497</u>	<u>Rs. 84497</u>	<u>NIL</u>

Component wise utilizations of Grants:

Grants-in-aid General	Grants-in-aid-creation for capital assets	Total
<u>Not Applicable</u>	<u>Rs. 84497/-</u>	<u>Rs. 84497/-</u>

Details of grants position at the end of year

- (i) Balance available at end of the financial year : Nil
- (ii) Unspent balance refunded to SERB (if any) : Nil
- (iii) Balance (Carried forward to next financial year) if applicable : Nil

11.07.2019
 Officer-in-Charge
 Bidhannagar College
 EB-2, Salt Lake, Kol.-64

GFR 12 - A

[(See Rule 238 (1))]

UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2019-2020
in respect of NON-RECURRING
as on 31.3.2020 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 CRG (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:

Place:

<p><i>Kiranmoy Chatterjee</i> Signature of PI :</p> <p>Kiranmoy Chatterjee Bidhannagar College, Kolkata Principal Investigator, DST-SERB</p>	<p>Signature with Seal :</p> <p>Name:</p> <p>Chief Finance Officer (Head of Finance)</p>	<p><i>M. Manna</i> Principal Bidhannagar College Salt Lake, Kol-64</p> <p>Signature with Seal.....</p> <p>Name: <i>Dr. Madhumita Manna</i></p> <p>Head of Organisation</p>
---	--	--

(Strike out if not applicable) Project File No. CRG/2019/003204

Shw.
11.07.2020
Officer-in-Charge
Bidhannagar College
Salt Lake, Kol-64



GFR - 12A

[(See rules 238(1))]

UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2019 - 2020

In respect of RECURRING

As on 31.3.2020 to be submitted to SERB

Is the UC Audited (Provisional/Audited)

1. Name of the grant receiving organization : BIDHANNAGAR COLLEGE, EB-2, SECTOR-1, SALT LAKE, KOLKATA
2. Name of Principal Investigator (PI) : DR. KIRANMOY CHATTERJEE
3. SERB Sanction Order no. and date : SERB/E/8330/2019-2020 dated 31.12.2019 (File NO. CRG/2019/003204)
4. Title of the Project : Study on the Improved Estimation of Surveillance counts.
5. Name of the SERB Scheme : CORE RESEARCH GRANT (CRG) (CRG/NPBF/ECR etc.)
6. Whether recurring or non-recurring grants RECURRING

7. Grant position at the beginning of the Financial year

- (i) Carry forward from previous financial years : Not Applicable (N.A.)
- (ii) Others, if any : N.A.
- (iii) Total : Nil

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

Unspent balance of the grants received previous years [Figure as at Sl. No. 7(iii)]	Interest earned thereon	Interest deposited back to the SERBI	Grants received during the year			Interest earned during the current year	Total Available funds (1+2+3+4+5)	Expenditure incurred	Closing Balances (6-7)
			Sanction No. (i)	Date (ii)	Amount (iii)				
1	2	3	4			5	6	7	8
Nil	Nil	Nil	SERB/E/8330/2019-2020	31.12.19	Rs. 460816	Rs. 1114/-	Rs. 461930	Rs. 56573	Rs. 405357

Component wise utilizations of Grants:

Grants-in-aid General	Grants-in-aid-creation for capital assets	Total
Rs. 56573/-	N.A.	Rs. 56573/-

Details of grants position at the end of year

- (i) Balance available at end of the financial year : Rs. 405357/-
- (ii) Unspent balance refunded to SERB (if any) : Nil
- (iii) Balance (Carried forward to next financial year) if applicable : Rs. 405357/-

[Signature]
11.03.2020
Officer-in-Charge
College

GFR 12 - A

[(See Rule 238 (1))]

UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2019-2020
in respect of NON-RECURRING
as on 31.3.2020 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 CRG (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:

Place:

<p><i>Kiranmoy Chatterjee</i> Signature of PI :</p> <p>Kiranmoy Chatterjee Bidhannagar College, Kolkata Principal Investigator, DST-SERB Project File No. CRG/2019/003204</p>	<p>Signature with Seal :</p> <p>Name:</p> <p>Chief Finance Officer (Head of Finance)</p>	<p><i>M. Manna</i> Principal Bidhannagar College Salt Lake, Kol-64</p> <p>Signature with Seal:</p> <p>Name: <i>Dr. Madhukrishna Manna</i> Head of Organisation</p>
--	--	--

(Strike out if not applicable)

Sh...
11.03.2024
Officer-in-Charge



GFR 12 - A
 [(See Rule 238 (1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2020 - 2021
 In respect of **RECURRING**
 as on **31.03.2021** 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 : **BIDHANNAGAR COLLEGE, EB-2, SECTOR-1, SALT LAKE, KOLKATA**
2. Name of Principal Investigator (PI) : **DR. KIRANMOY CHATTERJEE**
3. SERB Sanction order no. & date : **SERB/F/8330/2019-2020 dated 31.12.2019 (File No. CRG/2019/003204)**
4. Title of the Project : **Study on the Improved Estimation of population counts**
5. Name of the SERB Scheme : **CORE RESEARCH GRANT** (CRG/NPDF/EOR.....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 | : Rs. 405357.00 |
| (ii) Others, if any | : Nil |
| (iii) Total | : Rs. 405357.00 |

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)
			Sanction No. (i)	Date (ii)	Amount (iii)			
1	2	3	4			5	6	7
	Latest Interest Amount							
405357	12900	Nil	N.A.	N.A.	Nil	418257	92796	325461

Component wise utilization of grants:

Grants-in-aid- General	Grant-in-aid-creation for capital assets	Total
Rs. 92796/-	Not Applicable	Rs. 92796/-

Details of grants position at the end of the year

- | | |
|--|-------------------------|
| (i) Balance available at end of financial year | : ... Rs. 325461 |
| (ii) Unspent balance refunded to SERB (if any) | : ... Nil |
| (iii) Balance (Carried forward to next financial year) if applicable | : ... Rs. 325461 |


11.07.2021
Officer-in-Charge
Bidhannagar College
EB-2, Salt Lake, Kol.-64



GFR 12 - A
 [(See Rule 238 (1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2020-2021
 in respect of **RECURRING**
 as on **31.03.2021** 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 CRG (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: 24.7.2021

Place: Kolkata.

<p align="center"><i>Kiranmoy Chatterjee</i> Signature of PI :</p> <p align="center">Kiranmoy Chatterjee</p>	<p>Signature with Seal :</p> <p>Name :</p> <p>Chief Finance Officer (Head of Finance)</p>	<p align="center"><i>J.A.</i> Officer-in-Charge Bidhannagar College EB-2, Salt Lake, Kol.-64</p> <p>Signature with Seal :</p> <p>Name: <i>Tapomay Das</i></p> <p align="center">Head of Organisation</p>
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Bidhannagar College, Kolkata
 Principal Investigator, DST-SERB
 Project File No. CRG/2019/003204
 (Strike out in applicable terms)

Sh. Sh.
11.07.2021

Officer-in-Charge
Bidhannagar College
EB-2, Salt Lake, Kol.-64

GFR 12 - A
 [(See Rule 238 (1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2020 - 2021
 In respect of **NON-RECURRING**
 as on 31.03.2021 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: **BIDHANNAGAR COLLEGE, EB-2, SECTOR-1, SALT LAKE, KOLKATA**
2. Name of Principal Investigator(PI): **DR. KIRANMOY CHATTERJEE**
3. SERB Sanction order no. & date: **SERB/F/8330/2019-2020 dated 31.12.2019 (File No. CR6/2019/003204)**
4. Title of the Project: **Study on the Improved Estimation of population counts**
5. Name of the SERB Scheme: **CORE RESEARCH GRANT** (CRG/NPDF/EOR.....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 (5-5)
1	2	3	4			5	6	7
	Latest Interest Amount		Sanction No. (i)	Date (ii)	Amount (iii)			
Nil	Nil	N.A.	N.A.	N.A.	Nil	Nil	Nil	Nil

Component wise utilization of grants:

Grants-in-aid- General	Grant-in-aid-creation for capital assets	Total
Not Applicable	Nil	Nil

Details of grants position at the end of the year

- (i) Balance available at end of financial year : ... **Nil**
- (ii) Unspent balance refunded to SERB (if any) : ... **Nil**
- (iii) Balance (Carried forward to next financial year) If applicable : ... **Nil**


 11.07.2021
 Officer-in-Charge
 Bidhannagar College
 EB-2, Salt Lake, Kol.-64

GFR 12 - A
 [(See Rule 238 (1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2020-2021
 in respect of **NON-RECURRING**
 as on 31.03.2021 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 CRG (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: 24.7.2021

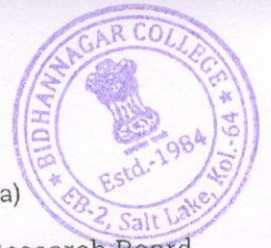
Place: Kolkata

<p style="text-align: center;"><i>Kiranmoy Chatterjee</i> Signature of PI :</p> <p style="text-align: center;">Kiranmoy Chatterjee</p>	<p>Signature with Seal :</p> <p>Name:</p> <p>Chief Finance Officer (Head of Finance)</p>	<p style="text-align: center;"><i>J.A.</i> Officer-in-Charge Bidhannagar College EB-2, Salt Lake, Kol.-64 Signature with Seal. Name: <u>Tapomay Das</u></p> <p style="text-align: center;">Head of Organisation</p>
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Bidhannagar College, Kolkata
 Principal Investigator, DST-SERB
 Project File No. CRG/2019/003204
 (Strike out inapplicable terms)

Tapomay Das
11.07.2021

Officer-in-Charge
Bidhannagar College
 EB-2, Salt Lake, Kol.-64



FILE NO. CRG/2019/003204
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: 27-Dec-2021

ORDER

Subject: Research project entitled **'Study on the Improved Estimation of Population Size based on capture-recapture technique with Applications to Socio-Economic, Demographic and Epidemiological Surveillance Counts'** under the guidance of Dr. KIRANMOY CHATTERJEE, Department of Statistics, Bidhannagar College, 2, Salt Lake Bypass, EB Block, Sector 1, Bidhannagar, Kolkata, West Bengal, WEST BENGAL-700064.

1. This is in continuation of SERB's sanction order No. "CRG/2019/003204" dated "01 January, 2020" of **Science and Engineering Research Board (SERB)**.
2. Sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 150000/-** (Rupees One Lakh Fifty Thousand only) under 'Grants-in-aid General' to **PRINCIPAL, BIDHANNAGAR COLLEGE, SALT LAKE, Bidhannagar College, City Center, EB-2, Sector 1, Bidhannagar, Kolkata** being the 2nd grant for the financial year 2021-2022 for implementation of the above said project.
3. Sanction of the competent authority is also accorded to the carry forward of unspent balance of **Rs. 325461/-** (Rupees Three Lakh Twenty Five Thousand Four Hundred and Sixty One only) (Recurring Rs. 325461 and Non-Recurring Rs. 0) to Bidhannagar College, City Center, EB-2, Sector 1, Bidhannagar, Kolkata from FY 2020-2021 to FY 2021-2022 for the same purpose for which it was sanctioned.
4. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in).
5. It is certified that provision of GFR 212 relating to Utilization Certificates (Ucs) for the funds released under the grant have been satisfied and the UC/s is/are enclosed herewith.
6. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)**
This release is being made under Core Research Grant. (PAC Mathematical Science)
7. The Sanction has been issued to Bidhannagar College, City Center, EB-2, Sector 1, Bidhannagar, Kolkata with the approval of the competent authority under delegated powers on **20 December, 2021** and vide Diary No. **SERB/F/6174/2021-2022** dated **27 December, 2021**
8. The release amount of **Rs. 150000/-** (Rupees One Lakh Fifty Thousand only) (Recurring Rs. 150000 and Non-Recurring Rs. 0) 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	WBPN00008326
Account Name	BIDHANNAGAR COLLEGE STAT-KC
Account Number	34650100004860
Bank Name & Branch	BANK OF BARODA BRANCH NAME: SALT LAKE SECTOR - I, KOLKATA; ADDRESS: DB-17, SECTOR-I, SALT LAKE, KOLKATA, DISTRICT- NORTH 24 PARGANAS, WEST BENGAL, PIN-700064.
IFSC/RTGS Code	BARBOSALKOL
Email id of A/C Holder	principal.bnckol@gmail.com
Email id of PI	kiranmoy07@gmail.com

11/12/2021

GFR 12 - A
 [(See Rule 238 (1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2021-22
 In respect of **NON-RECURRING**
 as on **31.03.2022** 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 : **BIDHANNAGAR COLLEGE, EB-2, SECTOR-1, SALT LAKE, KOLKATA.**
2. Name of Principal Investigator(PI) : **DR. KIRANMOY CHATTERJEE**
3. SERB Sanction order no. & date : **SERB/F/8330/2019-2020 dated 31.12.2019 (File No. CRG/2019/003204)**
4. Title of the Project : **STUDY ON THE IMPROVED ESTIMATION OF POPULATION SIZE..... COUNTS**
5. Name of the SERB Scheme : **CORE RESEARCH GRANT (CRG/NPDF/EGR.....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(ii)]	Interest Eamed 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)
			Sanction No. (i)	Date (ii)	Amount (iii)			
1	2	3	4	5	6	7		
Nil	Nil	N.A.	N.A.	N.A.	Nil	Nil	Nil	Nil

Component wise utilization of grants:

Grants-in-aid- General	Grant-in-aid-creation for capital assets	Total
Not Applicable	Nil	Nil

Details of grants position at the end of the year

- (i) Balance available at end of financial year : **Nil**
- (ii) Unspent balance refunded to SERB (If any) : **Nil**
- (iii) Balance (Carried forward to next financial year) if applicable : **Nil**

Signature
11.07.2024

Officer-in-Charge
Bidhannagar College
EB-2, Salt Lake, Kol.-64

GFR 12 - A
[(See Rule 238 (1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2021-22
 In respect of **NON-RECURRING**
 as on **31.03.2022** 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 **CRG**..... (CRG/NPBF/EGR.....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: **15.06.2022**

Place: **Kolkata**

Kiranmoy Chatterjee
 Signature of PI :
Kiranmoy Chatterjee
 Bidhannagar College, Kolkata
 Principal Investigator, DST-SERB

Signature with Seal :
 Name :
Chief Finance Officer
 (Head of Finance)

[Signature]
 Signature with Seal :
 Name :
Head of Organisation

Principal
Bidhannagar College
 EB-2, Sector-1,
 Salt Lake, Kolkata-64

(Strike out inapplicable terms) Project File No. CRG/2019/003204

[Signature]
11.07.2024
Officer-in-Charge
Bidhannagar College

GFR 12 - A

[(See Rule 238 (1))]

UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2021-2022

in respect of RECURRING

as on 31.03.2023 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 : BIDHANNAGAR COLLEGE, EB-2, SECTOR-1, SALT LAKE, KOLKATA
2. Name of Principal Investigator(PI) : DR. KIRANMOY CHATTERJEE
3. SERB Sanction order no. & date : SERB/F/8330/2019-2020 dated 31.12.2019 (File No. CR6/2019/003204)
4. Title of the Project : STUDY ON THE IMPROVED ESTIMATION OF POPULATION SIZE COUNTS.
5. Name of the SERB Scheme : CORE RESEARCH GRANT (CRG/MPDF/EGA.....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 : Rs. 325461.00
- (ii) Others, if any : Nil
- (iii) Total : Rs. 325461.00

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

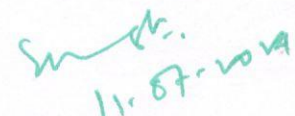
Unspent Balance of Grants received previous years [figure as at Sl. No. 7(ii)]	Interest Earned thereon	Interest deposited back to the SERB	Grants received during the year			Total Available funds (1+2+3+4)	Expenditure Incurred	Closing Balances (5-6)
1	2	3	4			5	6	7
	Latest Interest Amount		Sanction No. (i)	Date (ii)	Amount (iii)			
325461	6940	Nil	SERB/F/6174/2021-22	27.12.2021	Rs. 150000	482401	409315	73086

Component wise utilization of grants:

Grants-in-aid- General	Grant-in-aid-creation for capital assets	Total
<u>Rs. 409315/-</u>	<u>Not Applicable</u>	<u>Rs. 409315/-</u>

Details of grants position at the end of the year

- (i) Balance available at end of financial year : Rs. 73086/-
- (ii) Unspent balance refunded to SERB (If any) : Nil
- (iii) Balance (Carried forward to next financial year) if applicable : Rs. 73086/-


 11.07.2019
 Officer-in-Charge
 Bidhannagar College
 EB-2, Salt Lake, Kol.-64

GFR 12 - A

[(See Rule 238 (1))]
 UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2021-22
 In respect of RECURRING
 as on 31.03.2022 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 CRG (CRG/MPDF/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: 15.06.2022

Place: Kolkata

<p style="font-size: 1.2em; font-family: cursive;">Kiranmoy Chatterjee</p> <p>Signature of PI :</p> <p>Kiranmoy Chatterjee Bidhannagar College, Kolkata Principal Investigator, DST-SERB Project File No. CRG/2019/003204</p>	<p style="text-align: center; font-size: 2em;">/</p> <p>Signature with Seal :</p> <p>Name :</p> <p>Chief Finance Officer (Head of Finance)</p>	<p style="font-size: 1.5em; font-family: cursive;">[Signature]</p> <p>Signature with Seal :</p> <p>Name :</p> <p>Head of Organisation</p> <p style="text-align: right; font-size: 0.8em;">15-6-22 Principal Bidhannagar College Sector-I, EB-2, Salt Lake, Kolkata-64</p>
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(Strike out inapplicable terms)

11.07.2022

Officer-in-Charge
 Bidhannagar College
 Salt Lake, Kol-64

FILE NO. CRG/2019/003204

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: 21-Jun-2022

ORDER

Subject: Research project entitled "**Study on the Improved Estimation of Population Size based on capture-recapture technique with Applications to Socio-Economic, Demographic and Epidemiological Surveillance Counts**" under the guidance of Dr. KIRANMOY CHATTERJEE, Department of Statistics, Bidhannagar College, 2, 2, Salt Lake Bypass, EB Block, Sector 1, Bidhannagar, Kolkata, West Bengal, WEST BENGAL-700064.

1. This is in continuation of SERB's sanction order No. "CRG/2019/003204" dated "01 January, 2020" of **Science and Engineering Research Board (SERB)**.
2. Sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 350000/-** (Rupees Three Lakh Fifty Thousand only) under 'Grants-in-aid General' to **PRINCIPAL, BIDHANNAGAR COLLEGE, SALT LAKE, Bidhannagar College, City Center, EB-2, Sector 1, Bidhannagar, Kolkata** being the 3rd grant for the financial year 2022-2023 for implementation of the above said project.
3. Sanction of the competent authority is also accorded to the carry forward of unspent balance of **Rs. 73086/-** (Rupees Seventy Three Thousand and Eighty Six only) (Recurring Rs. 73086 and Non-Recurring Rs. 0) to Bidhannagar College, City Center, EB-2, Sector 1, Bidhannagar, Kolkata from FY 2021-2022 to FY 2022-2023 for the same purpose for which it was sanctioned.
4. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in).
5. It is certified that provision of GFR 212 relating to Utilization Certificates (Ucs) for the funds released under the grant have been satisfied and the UC/s is/are enclosed herewith.
6. The expenditure involved is debit to **Fund for Science & Engineering Research (FSER)**
This release is being made under Core Research Grant. (PAC Mathematical Science)
7. The Sanction has been issued to Bidhannagar College, City Center, EB-2, Sector 1, Bidhannagar, Kolkata with the approval of the competent authority under delegated powers on **20 June, 2022** and vide Diary No. **SERB/F/1837/2022-2023** dated **21 June, 2022**
8. The release amount of **Rs. 350000/-** (Rupees Three Lakh Fifty Thousand only) (Recurring Rs. 350000 and Non-Recurring Rs. 0) 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	WBPN00008326
Account Name	BIDHANNAGAR COLLEGE STAT-KC
Account Number	34650100004860
Bank Name & Branch	BANK OF BARODA BRANCH NAME: SALT LAKE SECTOR - I, KOLKATA; ADDRESS: DB-17, SECTOR-I, SALT LAKE, KOLKATA, DISTRICT- NORTH 24 PARGANAS, WEST BENGAL, PIN-700064.
IFSC/RTGS Code	BARB0SALKOL
Email id of A/C Holder	principal.bnckol@gmail.com
Email id of PI	kiranmoy07@gmail.com

[Handwritten signature]
11.07.2022

Officer-in-Charge
Bidhannagar College



GFR - 12A
 [(See rules 238(1))] **2022-2023**
UTILIZATION CERTIFICATE (UC) FOR THE YEAR
 In respect of **RECURRING**
 As on **31.03.2023** to be submitted to SERB
 Is the UC **Audited** (Provisional/Audited)

1. Name of the grant receiving Organization: **BIDHANNAGAR COLLEGE, EB-2, SECTOR 1, SALT LAKE, KOLKATA**
2. Name of Principal Investigator (PI): **DR. KIRANMOY CHATTERJEE**
3. SERB Sanction Order no. and date: **SERB/F/6330/2019-2020 dated 31.12.2019 (File No. CRG/2019/0032)**
4. Title of the Project: **STUDY ON THE IMPROVED ESTIMATION..... COUNTS**
5. Name of the SERB Scheme: **CORE RESEARCH GRANT** (CRG/NPDF/ECR.... etc.)
6. Whether recurring or non-recurring grants: **RECURRING**

7. Grant position at the beginning of the Financial year
 - (i) Carry forward from previous financial years : **Rs. 73086.00**
 - (ii) Others, if any : **Nil**
 - (iii) Total : **Rs. 73086.00**

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

Unspent balance of the grants received previous years [Figure as at Sl. No. 7(iii)]	Latest Interest Amount	Interest deposited back to the SERBI	Grants received during the year			Total Available funds (1+2+3+4+5)	Expenditure Incurred	Closing Balances (5-6)
			Sanction No. (i)	Date (ii)	Amount (iii)			
1	2	3	4			5	6	7
73086	6168	Nil	SERB/F/1837/2022-2023	21.6.22	3,50,000	429254	386870	42384

Component wise utilizations of Grants:

Grants-in-aid General	Grants-in-aid-creation for capital assets	Total
Rs. 386870.00	Not Applicable.	Rs. 38687

Details of grants position at the end of year

- (i) Balance available at end of the financial year : **Rs. 42384**
- (ii) Unspent balance refunded to SERB (if any) : **Nil**
- (iii) Balance (Carried forward to next financial year) if applicable : **Rs. 42384**



FOR AND ON BEHALF OF
 M/s. N. B. BAL & ASSOCIATES
 CHARTERED ACCOUNTANTS
 CA, CMA, N. B. BAL, M.COM., MBA (FIN)
 FCA, FCMA, DISA, CCCAB, IRDA, LLB
 MANAGING PARTNER
 MRN-053577
 FRN-318041-E

11.07.2024
 In-Charge

GFR 12 - A

UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2022-23
In respect of NON-RECURRING
AS on 31.03.23 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 CRG..... (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: 30.06, 2023

Place: Kolkata

<p><i>Kiranmoy Chatterjee</i> Signature of PI :</p> <p>Kiranmoy Chatterjee Bidhannagar College, Kolkata Principal Investigator, DST-SERB</p>	<p><i>[Signature]</i> Signature with Seal :</p> <p>Name:</p> <p>Chief Finance Officer (Head of Finance)</p>	<p><i>[Signature]</i> 17-8-23 Signature with Seal :</p> <p>Name:</p> <p>Head of Organisation</p>
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(Strike out Project File No. CRG/2019/003204)

[Handwritten]
11.09.2024
Officer-in-Charge
Bidhannagar College
EB-2, Salt Lake, Kol.-64



GFR 12 - A
 [(See Rule 238 (1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2022-23
 In respect of **NON-RECURRING**
 as on 31.03.23, 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 : BIDHANNAGAR COLLEGE, EB-2, SECTOR-1, SALT LAKE, KOLKATA.
2. Name of Principal Investigator(PI) DR. KIRANMOY CHATTERJEE
3. SERB Sanction order no. & date SERB/F/8330/2019-20 dated 31.12.19 (File No. CRG/2019/003204)
4. Title of the Project STUDY ON THE IMPROVED ESTIMATION OF POPULATION SIZE... COUNTS
5. Name of the SERB Scheme : CORE RESEARCH GRANT (CRG/MPDF/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(ii)]	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)
			Sanction No. (i)	Date (ii)	Amount (iii)			
1	2	3	4			5	6	7
			Sanction No. (i)	Date (ii)	Amount (iii)			
<u>Nil</u>	<u>Nil</u>	<u>N.A.</u>	<u>N.A.</u>	<u>N.A.</u>	<u>N.A.</u>	<u>Nil</u>	<u>Nil</u>	<u>Nil</u>

Component wise utilization of grants:

Grants-in-aid- General	Grant-in-aid-creation for capital assets	Total
<u>Not Applicable</u>	<u>Nil</u>	<u>Nil</u>

Details of grants position at the end of the year

- (i) Balance available at end of financial year : .. Nil
- (ii) Unspent balance refunded to SERB (If any) : .. Nil
- (iii) Balance (Carried forward to next financial year) if applicable : .. Nil


 14/03/2024
 Officer-in-Charge
 Bidhannagar College
 EB-2, Salt Lake, Kol.-64



GFR 12 - A
 [(See Rule 238 (1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2022-23
 In respect of **NON-RECURRING**
 as on **31.03.23** 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 **CRG**..... (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: 30.06.2023

Place: Kolkata

<p><i>Kiranmoy Chatterjee</i> Signature of PI :</p> <p>Kiranmoy Chatterjee Bidhannagar College, Kolkata Principal Investigator, DST-SERB</p>	<p><i>[Signature]</i> Signature with Seal :</p> <p>Name :</p> <p>Chief Finance Officer (Head of Finance)</p>	<p><i>[Signature]</i> 17-8-23 Signature with Seal :</p> <p>Name :</p> <p>Head of Organisation</p>
--	---	--

(Strike out Project File No. CRG/2019/003204)

[Signature]
 11.07.2024
 Officer-in-Charge
 Bidhannagar College
 EB-2, Salt Lake, Kol.-64

FILE NO. TAR/2022/000070
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: 09-Feb-2023

ORDER

Subject: Financial Sanction under Teachers Associateship for Research Excellence (TARE) to **Dr. Shubhankar Samanta, Bidhannagar College, City Center, Eb-2, Sector 1, Bidhannagar, Kolkata, Kolkata, West Bengal-700064** under the mentorship of Prof. Debabrata Maiti, at **Indian Institute of Technology Bombay IIT PO Powai, Mumbai - 400076** Release of 1st grant.

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

The date of start of the project will be 04 November, 2022. 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

Bidhannagar College, City Center, Eb-2, Sector 1, Bidhannagar, Kolkata, Kolkata, West Bengal-700064 (Parent)

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

Indian Institute of Technology Bombay IIT PO Powai, Mumbai - 400076 (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 **Bidhannagar College, City Center, Eb-2, Sector 1, Bidhannagar, Kolkata, Rs. 3,35,000/-** (Rupees Three Lakh Thirty Five Thousand only) to **Indian Institute of Technology Bombay IIT PO Powai, Mumbai - 400076** being the first installment of the grant for the year 2022-2023 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)**. (Organic Chemistry)

4. The Sanction has been issued with the approval of the competent authority vide Diary No. **SERB/F/7985/2022-2023** dated 12 December, 2022

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

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

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

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

Bidhannagar College, City center, eb-2, sector 1, bidhannagar, kolkata, Kolkata, West bengal-700064 (Parent) :

PFMS Unique Code	WBPNO0008326
Account Name	BIDHANNAGAR COLLEGE WBDST
Account Number	34650100004463
Bank Name & Branch	BANK OF BARODA DB-17, SECTOR-1, KOLKATA, NORTH 24 PARGANA, WEST BENGAL, PIN-700064
IFSC/RTGS Code	BARB0SALKOL
Email address of PI	chemshubha@gmail.com
Email id of A/C Holder	principal.bnckol@gmail.com
Email address of concerned officer	ms_ps@serbonline.in

Sm
11.07.2024
Officer-in-Charge
Bidhannagar College



Ushumpur, P.O.- Agarpara, Dist. - 24 Parganas (N), Kolkata - 700 109
E-mail : nb49550@gmail.com

BIDHANNAGAR COLLEGE
EB-02, SALLAKE, KOLKATA-64



Statement of Allotment and Utilisation for Research Project Grants of Bidhannagar College, EB-2, SECTOR-1, year wise during the last five years from 2018-2019 to 2022-2023.

Financial Year	Name of the Project	Name of the pl	Sanctioning authority	Amount allotted	Amount of expenditure	Remarks
2018-19	Biosynthesis of Nanoparticles as Therapeutic Agent Using Mangroves and Medicinal Plants Against Drug Sensitive and Drug Resistant Clinical Isolates of Indian Kala-Azar	Dr. Madhumita Manna (upto February 2020) & Dr. Somnath Mondal	WBDST	8,18,058/-	7,60,898/-	
2019-20	Biosynthesis of Nanoparticles as Therapeutic Agent Using Mangroves and Medicinal Plants Against Drug Sensitive and Drug Resistant Clinical Isolates of Indian Kala-Azar	Dr. Madhumita Manna (upto February 2020) & Dr. Somnath Mondal	WBDST	NIL	NIL	
	Assessment of Trace Element Profiles of Some Medicinal Plants and Mangroves with Respect to Their Antileishmanial Activities	Dr. Madhumita Manna (upto February 2020) & Dr. Subhankar Samanta	UGC DAE	2,63,400/-	2,53,320/-	
	Study of the improved estimation of population size based on capture recapture technique with applications to socio economic, demographic and epidemiological surveillance count	Dr. Kiranmoy Chatterjee	SERB CRG	5,45,313/-	1,41,070/-	
2020-21	Biosynthesis of Nanoparticles as Therapeutic Agent Using Mangroves and Medicinal Plants Against Drug Sensitive and Drug Resistant Clinical Isolates of Indian Kala-Azar	Dr. Madhumita Manna (upto February 2020) & Dr. Somnath Mondal	WBDST	NIL	NIL	
	Assessment of Trace Element Profiles of Some Medicinal Plants and Mangroves with Respect to Their Antileishmanial Activities	Dr. Madhumita Manna (upto February 2020) & Dr. Subhankar Samanta	UGC DAE	2,53,320/-	2,18,600/-	
	Study of the improved estimation of population size based on capture recapture technique with applications to socio economic, demographic and epidemiological surveillance count	Dr. Kiranmoy Chatterjee	SERB CRG	NIL	92,796/-	Spent from the unspent balance of previous year

FOR AND ON BEHALF OF
N. B. BAL & ASSOCIATES
CHARTERED ACCOUNTANTS

* CA, CMA, N. B. BAL, M.COM., MBA (FIN)
 FCA, FCMA, DISA, CCC AB, IRDA, LLB
 Proprietor

MRN - 053577
 FRN - 318041-E



Page1/2

[Signature]
 Officer-in-Charge
 Bidhannagar College
 Kolkata

Ushumpur, P.O.- Agarpara, Dist. - 24 Parganas (N), Kolkata - 700 109
E-mail : nb49550@gmail.com



Financial Year	Name of the Project	Name of the PI	Sanctioning authority	Amount allotted	Amount of expenditure	Remarks
2021-22	Biosynthesis of Nanoparticles as Therapeutic Agent Using Mangroves and Medicinal Plants Against Drug Sensitive and Drug Resistant Clinical Isolates of Indian Kala-Azar	Dr. Madhumita Manna (upto February 2020) & Dr. Somnath Mondal	WB DST	4,33,934/-	4,34,400/-	
	Assessment of Trace Element Profiles of Some Medicinal Plants and Mangroves with Respect to Their Antileishmanial Activities	Dr. Madhumita Manna (upto February 2020) & Dr. Subhankar Samanta	UGC DAE	2,58,360/-	Yet to be audited	UC of 3 rd instalment is pending
	Study of the improved estimation of population size based on capture recapture technique with applications to socio economic, demographic and epidemiological surveillance count	Dr. Kiranmoy Chatterjee	SERB CRG	1,50,000/-	4,09,315/-	
2022-23	Biosynthesis of Nanoparticles as Therapeutic Agent Using Mangroves and Medicinal Plants Against Drug Sensitive and Drug Resistant Clinical Isolates of Indian Kala-Azar	Dr. Madhumita Manna (upto February 2020) & Dr. Somnath Mondal	WB DST	NIL	NIL	3 rd allotment sanctioned in the financial year 2023-24 and UC is pending
	Study of the improved estimation of population size based on capture recapture technique with applications to socio economic, demographic and epidemiological surveillance count.	Dr. Kiranmoy Chatterjee	SERB CRG	3,50,000/-	3,86,870/-	Remaining balance was spent and audited within the period of 01.04.23 to 08.05.23
	Pyridyl/aryl assisted defunctionalization and application to the synthesis of pyrrole/indole based bio-active molecules	Dr. Subhankar Samanta	SERB TARE	2,75,000/-	Yet to be audited	

FOR AND ON BEHALF OF
M/S. N. B. BAL & ASSOCIATES
CHARTERED ACCOUNTANTS
14/06
24
CA, CMA, N. B. BAL, M.COM., MBA (FIN)
FCA, FCMA, DISA, CCCAB, IRDA, LLB
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