

Copy forwarded for information and necessary action to:-

1. The Principal Accountant General (A&E), Treasury Buildings, Kolkata-700001
2. The Principal Accountant General (Audit), Treasury Buildings, Kolkata-700001
3. The Principal Accountant General (Receipt, Works & Local Bodies Audit), CGO Complex at Salt Lake, Kolkata-700091
4. Registrar, Science & Technology & Biotechnology Dept.
5. Pay & Accounts Officer-III, PAO-III
6. PSO.
7. Shri Soumyajit Mukherjee, SSO.
8. Registrar, The University of Burdwan, Rajbati, Burdwan-713104
9. Prof. Asoke Kumar Bhunia, The University of Burdwan, Rajbati, Burdwan-713104. (Strickly follow annexure-A)
10. Guard File.



ASSISTANT SECRETARY

Government of West Bengal
Department of Science & Technology and Biotechnology
"Bigyan Chetana Bhavan", Salt Lake,
DD 26/B, Sector-I,
Kolkata - 700064.

Annexure-A

File No.: ST/P/S&T/16G-23/2018


Name of the F.I. with Institute: Prof. Asoke Kumar Bhunia, P.I. of the Project, The University of Burdwan

General Guideline must be followed by the P.I.:

1. The selection of JRF/SRF shall be made as per guidelines of this Deptt. (Science & Technology).
2. The remuneration to the JRF/SRF & project Asstt. Should be disbursed as per FD Memo No. 6261-F(Y) dt. 27.06.2011.
3. Follow FD Memo No. 5400-F(Y) dt. 25.06.2012 and Memo No. 3060-F(Y) dt. 11.06.2014 where applicabic.
4. The UC along with the audited statement of expenditure should be obtained within prescribed time limit / before release of further installment of grant.
5. Follow the Budget break-up given below:

SUMMARY (in Rupees)

Item of expenditure	1st year in rupees	2nd year in rupees	3rd year in rupees	Total in rupees
A Non-recurring permanent equipment:				
None	Nil	Nil	Nil	Nil
B Recurring :				
Remunerations / salaries of One Junior Research Fellow @ Rs 18700/- per month (Basic Rs 16000/- + H.R.A Rs 2400/- + M.A Rs 300/-) for 1st and 2nd Year.	224400	224400	252000	700800
@ Rs 21000/- per month for 3rd year as Senior Research Fellow (Basic 18000/- + H.R.A Rs 2700/- + M.A Rs 300/-)				
Consumable	20000	20000	20000	60000
Travel	5000	5000	5000	15000
Other Cost including Contingency	15000	15000	15000	45000
Grand Total (A+B)	264400	264400	292000	820800


 Assistant Secretary to the Govt. of West Bengal

Dated 01-Jul-2020

ORDER

Subject Research project entitled "Theoretical studies on bound and resonance states of positronic atoms embedded in plasma" under the guidance of Prof. Arijit Ghoshal, Mathematics, Burdwan University, Dde complex, Golapbag, post rajbati, dist burdwan, Bardhaman, West bengal-713104

1. This is in continuation of SERB's sanction order No. "EMR/2017/004985" dated "31 July, 2018" of Science and Engineering Research Board (SERB).
2. Sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 100000/-** (Rupees One Lakh only) under 'Grants-in-aid General' to Registrar, **The University of Burdwan, Burdwan University, DDE Complex, Golapbag, Post: Rajbati, Dist: Burdwan** being the 3rd grant for the financial year 2020-2021 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. 155020/-** (Rupees One Lakh Fifty Five Thousand and Twenty only) (Recurring Rs. 145903 and Non-Recurring Rs. 9117) to Burdwan University, DDE Complex, Golapbag, Post: Rajbati, Dist: Burdwan from FY 2019-2020 to FY 2020-2021 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 Physics-2 (Lasers Optics Atomic & Molecular Physics, Plasma High Energy Nuclear Physics Astronomy & Astrophysics and Nonlinear dynamics))**
7. The Sanction has been issued to Burdwan University, DDE Complex, Golapbag, Post: Rajbati, Dist: Burdwan with the approval of the competent authority under delegated powers on **25 June, 2020** and vide Diary No. **SERB/F/1046/2020-2021** dated **30 June, 2020**
8. The release amount of **Rs. 100000/-** (Rupees One Lakh only) (Recurring Rs. 100000 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	NA
Account Name	THE UNIVERSITY OF BURDWAN
Account Number	420110100019490
Bank Name & Branch	BANK OF INDIA Burdwan Branch, Kalna Road, Badamtala, Burdwan 713101, Phone Number 0342-2664189/145
IFSC/RTGS Code	BKID0004201
Email id of A/C Holder	fo@buruniv.ac.in
Email id of PI	aghoshal@math.buruniv.ac.in

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. As per rule 211 of GFR the accounts of Grantee Institution shall be open to inspection by the sanctioning authority / audit whenever the institute is called upon to do so
11. The institute will furnish to the SERB, Utilization certificate (separate for Recurring & Non-Recurring) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.
12. After completion of the project unspent balance if any should be returned as Demand Draft drawn in favour of "Fund for Science and Engineering Research" payable at New Delhi.
13. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.
14. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science &

Nilotpal Ghosh
(Dr. Nilotpal Ghosh)

MS
nilotpal@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi- 110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Prof. Arijit Ghoshal Mathematics Burdwan University, Dde complex, Golapbag, post: rajbati, dist: burdwan, Bardhaman, West bengal-713104 Email: aghoshal@math.buruniv.ac.in Mobile: 919434107364
5.	Registrar, The University of Burdwan, Burdwan University, DDE Complex, Golapbag, Post: Rajbati, Dist: Burdwan

Nilotpal Ghosh
(Dr. Nilotpal Ghosh)

MS
nilotpal@serb.gov.in



सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission
मानव संसाधन विकास मंत्रालय, भारत सरकार
(Ministry of Human Resource Development, Govt. of India)
बहादुर शाह जफर मार्ग नई दिल्ली-110002
Bahadurshah Zafar Marg, New Delhi - 110002
Phone : 011-23604410, 011-23604425



ज्ञान-विज्ञान विमुक्तये

FD Diary No.7529
Dated : 21.12.2018

No.F.30-425/2018(BSR)

Dated: December, 2018

The Under Secretary FD-III Section,
University Grants Commission
Bahadur Shah Zafar Marg,
New Delhi - 110002.

04 JAN 2019

Subject:- Approval-cum-Sanction letter for UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments of various Universities - Release of the grant for the year 2018-2019 under Revenue.

Sir,

The University Grants Commission convey its approval and allocate a sum of ₹10,00,000/- (Rupees Ten Lakh Only) to the Registrar, The University of Burdwan, Rajbati, Burdwan - 713107, West Bengal being the UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level of Science Departments.

Accordingly, I am further directed to convey the sanction of the University Grants Commission for payment of ₹8,00,000/- (Rupees Eight Lakh only) (80% of approved Grant ₹10.00 Lakhs to each faculty) to the Registrar, The University of Burdwan, Rajbati, Burdwan - 713107, West Bengal towards UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments as per details given below, the expenditure to be incurred during 2018-2019.

Name of the Item	Head of Account	Name of Faculty / Professor	Name of Departments	Amount Approved (₹)	Amount being released (₹)
UGC-BSR Start-up grant for newly recruited faculty at Assistant Professor level in science department	3(A)16 (X) 31	Dr. Ali Akbar Shaikh	Mathematics	10,00,000/-	8,00,000/-
			Total:	10,00,000/-	8,00,000/-

2. The sanctioned amount is debitable to the major Head 3(A) 16(X) 31 and is valid for payment during the financial year 2018-19 only.

3. The amount of the Grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer) UGC on the Grants-in-aid bill and shall be disbursed to and credited to the Registrar, The University of Burdwan, Rajbati, Burdwan - 713107, West Bengal through Electronic mode as per the following details:

- Details (Name & Address) of Account Holder : Registrar, The University of Burdwan, Rajbati, Burdwan - 713 107, West Bengal.
- Account No. : 420110100019490
- Name & Address of Bank Branch : Bank of India, Burdwan Branch, Kalna Road, Badamtala, Burdwan-713 101, West Bengal.
- MICR Code : 71303102
- IFSC Code : BKID0004201
- Type of Account : Saving Account

4. The Grant is Subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/Institution.

5. The University / Institution shall maintain proper accounts of the expenditure out of the Grants which shall be utilized only on the approved items of expenditure.

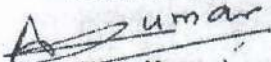
6. The University / Institution may follow the General Financial Rules, 2005 and take urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those don't have their own approved manuals on financial procedures may adopt the provisions of GFRs, 2005 and instructions/guideline there under from time to time.

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7. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the UGC as early as possible after the close of the current financial year.
8. The assets acquired wholly or substantially out of University Grants Commission's Grant shall not be disposed or encumbered or utilized for the purposes other than those for which the grants were given, without proper sanction of the UGC and should at any time the University ceased to function, such assets shall revert to the University Grants Commission.
9. A Register of Assets acquired wholly or substantially out of the grant shall be maintained by the University in the prescribed proforma.
10. The grantee institution shall ensure the utilization of grants-in-aid for which it is being sanctioned / paid. In case of non-utilization/part utilization thereof, simple interest @ 10 % per annum as amended from time to time on the unutilized amount from the date of drawal to the date of refund as per provisions contained in General Financial Rules of Govt. of India, will be charged.
11. The University / Institution shall follow strictly the Government of India / UGC's guidelines regarding implementation of the reservation policy [both vertical (for SC, ST & OBC) and horizontal (for persons with disability etc.)] in teaching and non-teaching posts.
12. The University / Institution shall fully implement the Official Language Policy of Union Government and comply with the Official Language Act, 1963 and Official Languages (Use for Official Purposes of the Union) Rules, 1976 etc.
13. The sanction is issued in exercise of the delegation of powers vide UGC Order No. 130/2013 [F.No. 10-11/12 (Admn. IA & B)] dated 28/5/2013.
14. The University / Institution shall strictly follow the UGC Regulations on curbing the menace of Ragging in Higher Education Institutions, 2009.
15. The University / Institution shall take immediate action for its accreditation by National Assessment & Accreditation Council (NAAC).
16. The accounts of the University / Institution will be open for audit by the Comptroller & Auditor General of India in accordance with the provisions of General Financial Rules, 2005.
17. The annual accounts i.e. balance sheet, income and expenditure statement and statement of receipts and payments are to be prepared strictly in accordance with the Uniform Format of Accounting prescribed by Government.
18. This issues with the concurrence of IFD vide Diary No. 2790 (IFD) Dated 26.11.2018.
19. This issues with the approval of CM Sectt. vide Diary No. 59981 Dated 03.12.2018.

Noted in BCR Register 2018-2019 at P.No.13 & S.No.57

Yours faithfully,

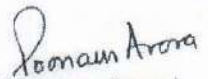

(Ajay Kumar)
Education Officer

Copy forwarded for information and necessary action to:-

1. Registrar, The University of Burdwan, Rajbati, Burdwan – 713107, West Bengal. He/She is requested to abide by these instructions/guidelines of sanction order.
2. The Secretary (Education) to the State Government of West Bengal, Burdwan.
3. The Head, Department of Mathematics, The University of Burdwan, Rajbati, Burdwan – 713107, West Bengal.
4. Dr. Ali Akbar Shaikh, Department of Mathematics, The University of Burdwan, Rajbati, Burdwan – 713107, West Bengal.
5. The Director General of Audit, Central Revenues, AGCR Building, I.P. Estate, New Delhi.
6. Guard file



OK
3/11/19


(Poonam Arora)
Section Officer

No.SR/FST/MS-II/2017/10(C)
 GOVERNMENT OF INDIA
 MINISTRY OF SCIENCE & TECHNOLOGY
 DEPARTMENT OF SCIENCE & TECHNOLOGY
 R & D (Infrastructure) DIVISION

Technology Bhawan,
 New Mehrauli Road,
 New Delhi -110016.

23rd October, 2018

ORDER

Subject: Financial assistance (1st installment) to the Department of Mathematics, The University of Burdwan, Golapbag, Burdwan-713104, West Bengal under FIST Program.

Sanction of the President is hereby accorded to the approval of the aforesaid project at a total cost of Rs. 54,00,000/- (Rupees Fifty four lakh only) for 5 years The detailed breakup of the grant for General as well as Capital Components are given below:

To strengthen the research facilities in the Department 50:50 Mode (Being a Private Institute)

Capital Assets: Rs. 50.0 L

E+NW –Rs. 35.0L [Hardware – Rs 25L (40 PCs, 2 Servers, 10KVA UPS, 1 Printer and Software – Rs 10L (to be identified)]

IF-Rs.15.0L [Books- Rs 10L, Renovation of NW Lab- Rs 4.0L & 2 ACs- 1.0L]

General Components: Rs. 4.0 L

M- Rs. 4.0 L

Total:Rs.54.0 Lakh

2. The total budget recommended for 5 years has been phased as below: (Rs. In lakh)

Budget Heads	1 st year	2 nd year	3 rd year	4 th year	5 th year	Total
Equipment+Networking	35.0	-	-	-	-	35.0
Infrastructure (Books, Ren. of lab & 2ACs)	2.0 (Books) 1.0 (2 ACs) 2.0 (Ren. of NW Lab)	2.0 (Ren. of NW Lab) 2.0 (Books)	2.0 (Books)	2.0 (Books)	2.0 (Books)	15.0
Maintenance	-	1.0	1.0	1.0	1.0	4.0
Total	40.0	5.0	3.0	3.0	3.0	54.0

3. Sanction of the President is also accorded to the release of Rs. 40,00,000/- (Rupees Forty lakh only) to the Registrar University of Burdwan, Golapbag, Burdwan-713104, West Bengal under FIST Program as a 1st installment of the grant in 2018-2019 under 'creation of capital assets' head for the maximum cost of the aforesaid Equipment including (9.4%) Custom Duty & other duties under the 'Equipment'. The break-up of the 1st installment grant released now would be 'Equipment': Rs. 35.0 lakh for procurement of Equipment mentioned above [Equipments of Foreign Origin to be acquired on FE Terms only and should not include charges for any comprehensive Maintenance and training personnel from the vendors during procurement process] Infrastructure Facility-Rs. 5.0L [Books- Rs.2.0L, Ren. Of NW Lab – Rs. 2.0L (Renovate of lab LAN Networking item, With CAT 6 UTP, CMR, FRPVC, Gigabit POE Mangad Switch wireless access point support termination charges, patch panel termination, UTP cable Laying With PVC pipe costing, Access pint installation & Configuration, switch installation & configuration, LAN set up with rack dressing.) and Rs. 1.0L for 2 ACs]

4. The Department/Institute will appropriately limit the expenditure within the sanctioned amount in case of any expected excess expenditure. The Department is requested to utilize the released funds in first one year from the date of sanction order.

Contd..2/..

5. This sanction is subject to the condition that the grantee organisation will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.
6. The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division with UC id generated in PFMS Portal. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.
7. If the grant has been released under Capital head/General through separate sanction order(s) under the same project for purchase of equipment, separate SE/UC has to be furnished for the released Capital head/General grant.
8. **There is no pending SE/UC on this Project as per details in the PFMS also. This is the first release of this project under FIST Program, which has been initiated, in this financial year so no previous UC is attached with this sanction order.**
9. The grant-in-aid being released is subject to the condition that:
 - (a). a transparent procurement procedure in line with the provisions of General Financial Rules 2017 will be followed by the University/Institute under the appropriate rules of the grantee organisation while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the University/Institute immediately on receipt of the grant, and
 - (b). while submitting Utilization Certificate/Statement of Expenditure, the University/Institute has to ensure submission of supporting documentary evidences with regard to the purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.
 - c) Grantee Institute may furnish copy of invoice in respect of equipments worth Rs. 5.0 L and above along with customs clearance certification (in case of imported equipments) after procurement of the equipments.
 - d) Servers, Desktops, Workstations, Printers etc. may be procured through GeM (Government E-Market) platform.
 - e) Grantee Institute will furnish copy of bills showing expenditure incur on maintenance of the equipments after warranty period of respective equipments are over.
10. "In terms of Rule 230(8) of GFR 2017, the grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings, generated against released Grant shall be remitted to Consolidated Fund of India"
11. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.
12. ~~The account of the grantee organisation shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organisation is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.~~
13. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organisation in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

Failure to comply with the terms and conditions of the scheme will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

The expenditure involved is to be debited to

Demand No. -84 Department of Science & Technology;
"3425" -Other Scientific Research (Major Head);
60-Others (Sub-Major Head);
60.200-Assistance to other Scientific Bodies (Minor Head);
68- Science and Technology Institutional and Human Capacity Building
68.00.35-Grants for creation of capital assets for the year 2018-2019 (Voted)
[Previous: R&D Support: 3425.60.200.25.01.35]

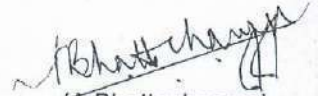
The above release is made under 'R&D' Scheme.

16. The amount of **Rs. 40,00,000/- (Rupees Forty lakh only)** will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to the **Registrar, University of Burdwan, Golapbag, Burdwan-713104, West Bengal.** The bank details for electronic transfer of funds through RTGS are given below:-

1. Name of the Account Holder: **Registrar, University of Burdwan**
2. Name of the Bank: **Bank of India**
3. Bank Account Number: **420140100019490**
4. IFSC Code: **BKID0004201**
5. MICR Code: **713013102**

17. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. **217** in the register of grants maintained in the Division for the scheme (R&D Support).

18. This issues with the concurrence of IFD Vide their Concurrence Dy.No. 3298 dated the **11.10.2018**.


(A. Bhattacharyya)
Scientist 'E'

Email: a.bhattacharyya@nic.in

To
The Pay and Accounts Officer,
Department of Science & Technology,
New Delhi.

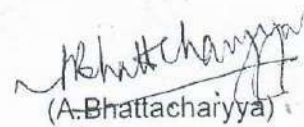
Copy forwarded for information and necessary action to:

1. Cash Section (with two spare copies).

2. Registrar,
The University of Burdwan,
Golapbag, Burdwan-713104
West Bengal

3/ Head,
Department of Mathematics,
The University of Burdwan,
Golapbag, Burdwan-713104
West Bengal

4. Office of the Director & Audit, Scientific Department, AGCR Bldg., 3rd Floor, IP Estate, New Delhi - 110002.
5. Office of Account General, West Bengal, Calcutta.
6. FIST-Secretariat.
7. CoA / IFD, DST, New Delhi.
8. Head, R & D (Infrastructure), DST New Delhi.
9. Sanction Folder.


(A. Bhattacharyya)

Scientist 'E'

Email: a.bhattacharyya@nic.in

Ps

Annexure-II

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

1. SERB Sanction Order No and date: CRG/2019/004506 dated: 14.01.2020
2. Name of the PI : Naba Kumar Mondal
3. Total Project Cost : 30,26,120/-
4. Revised Project Cost (if applicable) : NA
5. Date of Commencement : 22.01.2020 (Extended upto 16.10.2023)
6. Statement of Expenditure :

(Month wise expenditure incurred during the current financial year)

Month & year	Expenditure incurred/ committed
April 2023	46,225/-
May 2023	-
June 2023	-
July 2023	-
August 2023	-
September 2023	2,90,285/-
October 2023	2,05,043/-
Total	5,41,553/-

1. Grant received in each year:

- a. 1st Year : 17,00,000/-
 - b. 2nd Year : 2,00,000/-
 - c. 3rd Year : 6,00,000/-
 - d. 4th Year : 3,00,000/-
 - e. Interest, if any : 9,333(19-20)+37,620(20-21)+6,072(21-22)+ 1,716 (22-23) =54,741/-
- Total (a + b + c + d) : 28,54,741/-**



Statement of Expenditure
(to be submitted financial year wise i.e. 01.04.2023 – 16.10.2023)

Sr No (I)	Sanctioned Heads (II)	Total Funds Allocated (Indicate sanctioned or revised) (III)	Expenditure Incurred					Total Expenditure till (IX = IV + V + VI+VII+VIII)	Balance as on (date) (X= III – IX)	Requirement of funds which is to be reimbursed	Remarks (if any)
			1 st Year (22.01.20 to 31.03.20) (IV)	2 nd Year (1.04.20 to 31.03.21) (V)	3 rd Year (1.04.21 to 31.03.22) (VI)	4 th year & so on (1.04.2022-31.03.2023) (VII)	5 th year & so on (1.04.2023-16.10.2023) (VIII)				
1.	Manpower costs	12,57,120/-	NIL	1,71,000/-	4,15,440/-	4,25,590/-	2,45,090/-*	12,57,120 /-	NIL	8,575/-	
2.	Consumables	3,00,000/-	NIL	NIL	50,194/-	1,73,527/-	76,247/-*	2,99,968/-	32/-	51,137/-	
3.	Travel	60,000/-	NIL	7,344/-	23,490/-	29,134/-	NIL	59,968/-	32/-	NIL	
4.	Contingencies	1,50,000/-	NIL	9,684/-	20,919/-	49,181/-	70,216/-*	1,50,000/-	NIL	60,616/-	
5.	Others, if any (Scientific Social Responsibility)	60,000/-	NIL	NIL	-	30,000/-	25,000/-	55,000/-	5,000/-	NIL	
6.	Equipment	9,24,000/-	NIL	1,44,617/-	7,79,383/-	-	NIL	9,24,000/-	NIL	NIL	
7.	Overhead expenses	2,75,000/-	1,00,000/-	NIL	-	50,000/-	1,25,000/-*	2,75,000/-	NIL	75,000/-	
8.	Total	30,26,120/-	1,00,000/-	3,32,645/-	12,89,426/-	7,57,432/-	5,41,553/-*	30,21,056/-	5,064/-	1,95,328/- #	

*Including committed Manpower =8,575/-, committed Consumable=51,137/-, committed Contingencies=60,616/-, overhead expenses=75,000/- i.e. Total of **1,95,328/-**

Rs 195328 less (-) Interest amount (Recurring) of Rs 1040 i.e. Rs 194288/-

Name and Signature of Principal Investigator
(Naba Kumar Mondal)
Date with seal: 05-02-2024 Principal Investigator
DST-SERB Major Project



Signature of Competent financial authority
FINANCE OFFICER
THE UNIVERSITY OF BURDWAN
BURDWAN WEST BENGAL



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
HUMAN RESOURCES DEVELOPMENT GROUP (HRDG)
EXTRAMURAL RESEARCH DIVISION (EMR-II)
CSIR COMPLEX, PUSA, NEW DELHI - 110 012

No. 01(3083)/21/EMR-II

Dated: 12-08-2021

ORDER

To,

DR SUMANTA BHATTACHARYA,
DEPT OF CHEMISTRY,
THE UNIV OF BURDWAN,
BURDWAN 713104, W B

Subject: Grants-in-aid & Financial Sanction of the research project entitled "MODULATING THE PHOTOPHYSICAL CHARACTERISTICS IN FULLEROPYRROLIDINE-PORPHYRIN INTERACTION FOR MIMICKING ARTIFICIAL PHOTOINDUCED ENERGY AND/ ELECTRON TRANSFER PROCESS"

I am directed to refer to your proposal for sanction of CSIR Scheme titled above and to convey the approval of DG CSIR as per the details given below.

I	Duration of the Scheme (from the date of Commencement)	36 Months		
II	Staff			
III	Contingency (per annum in ₹)	1 st Year : 2,00,000	2 nd Year : 2,00,000	3 rd Year : 2,00,000
IV	Equipment (lumpsum in ₹)	6,00,000		

- The above sanction is subject to review of periodical progress of the project by expert committee.
- Sanction of the CSIR-HRDG is also accorded by DG CSIR to the release of the following grants for the period 01/08/2021 to 31/03/2022

No	Grants	Amount (in ₹)
I	Staff	0
II	Contingency	1,33,333
III	Equipment	6,00,000
Total :		7,33,333

- The sanctioned scheme shall start from the commencement date mentioned in the letter or within 3 months from the date of issue of the letter or commenced as soon as some expenditure has been incurred out of the grant/date of joining of fellow, unless otherwise authorized by CSIR, failing which the scheme will be treated as withdrawn
- The Institute should ensure to provide (i) a certificate by the PI countersigned by the Head of the department/institution that no other aid-giving agency is funding the work proposed to be done under the scheme sanctioned by CSIR (non-funding certificate); (ii) an agreement in the prescribed Form-A on non-judicial stamp paper of Rs 10/- (each page duly signed by PI); (iii) date of commencement and (iv) RBI-NEFT form (Form-K) to CSIR-HRDG immediately after the receipt of sanction letter
- Sanction of the grant to appointment of JRF/SRF/RA under this scheme is subject to the conditions as detailed at CSIR-HRDG website (<https://csirhrdg.res.in/Home/Index/1/Default/1100/62>).
- The project File no.01(3083)/21/EMR-II may also be mentioned in all research communications arising from the above project with due acknowledgement of CSIR-HRDG.

8. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and CSIR-HRDG will have no liability to meet the fellowship and salary of supporting staff if any beyond the duration of the project
9. As this is the first year grant being released for the project, no previous U/C is required.
10. Due acknowledgement of technical support/financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications/media releases as well as in the opening paragraphs of their Annual Reports during and after completion of the project.
11. Sanction of grants is subject to strict compliance of the terms and conditions enclosed or as may be modified from time to time. You are required to follow the instructions /mandatory guidelines governing Research Schemes which are mentioned on the CSIR-HRDG website (<https://csirhrdg.res.in/>)
12. The grant for the First installment will be sent through NEFT (Electronic Funds Transfer), to the concerned authority of your institution on receipt of undertaking (form-A), non-funding certificate, acceptance letter and EFT Transaction Request Form.
13. All the related documents of project have to be sent to CSIR-HRDG by email (soemr2@csirhrdg.res.in with a copy to vsbhati@csirhrdg.res.in). Hard copy should follow by post invariably. Hard copy to be sent to Scientist-in charge, EMR-II, CSIR Complex, Pusa, New Delhi - 110 012

The expenditure is debitable to budget head P81102.


Section Officer (EMR-II)
Tel No: 011-25848160
Email id: soemr2@csirhrdg.res.in

Encl: As above

Copy to :-

1. Register/Principal/Director-
2. SO, EMR-II

*The Univ of Burdwan, Burdwan-713104
WB*

The University of Burdwan



Statement of expenditure for the period of 13.12.2018 to 12.12.2019 (3RD Year) of a DST (Govt. of W.B) sanctioned project with Memo No. 894(Sanc.)/ST/S&T/15G-13/2016 dt. 10.07.2019

Budget Head	Opening Balance (in Rs.) on 13.12.2018	Amount Received (in Rs.) during the Period of 13.12.2018 to 12.12.2019	Total Amount Received (in Rs.)	Expenditure Incurred (in Rs.) during the period of 13.12.2018 to 12.12.2019	Balance in Hand (in Rs.) on 12.12.2019
Salary	0	211870	211870	203135	8735
Consumables	0	75,000/-	75,000/-	75000	Nil
Travel	1870	3130	5000	5000	0
Equipment	0	0	Nil	0	Nil
Other cost	0	10000	10,000/-	10000	Nil
Total	1870	300000	301870	293135	8735

Sumanta Bhattacharya of 11/12/20

P.I. of the Project
Dr. Sumanta Bhattacharya
 Professor, Department of Chemistry
 The University of Burdwan
 Golapbag, Burdwan-713104
 West Bengal

S. Chakrabarti
 10.11.2019

Finance Officer
 The University of Burdwan
FINANCE OFFICER
THE UNIVERSITY OF BURDWAN
 BURDWAN WEST BENGAL

S. 11.2020

Registrar
 The University of Burdwan
REGISTRAR (Officiating)
THE UNIVERSITY OF BURDWAN
 BURDWAN-713104

S. 11.2020
 (Signature of Statutory Auditor)



UTILISATION CERTIFICATE IN RESPECT OF GRANT-IN-AIDPERIOD: 13.12.18 TO 12.12.19

No.

Date: 09-11-2020

1. Name of the Grantee Institute (s) : The University of Burdwan
[Attach separate list for more than one Grantee Institution]
2. Sanctioning Authority : Department of Science & Technology,
Government of West Bengal
3. Memo Number & Date : 894(Sanc.)/ST/S&T/15G-13/2016 dt. 10.07.2019
4. Amount Sanctioned : Rs. 3,00,000/-
5. Drawing & Disbursing Officer : Registrar, The University of Burdwan and
DDO, DST (WB); NEFT on 12.10.2018
6. Treasury/PAO [From where the bill was drawn] : Kolkata Pay & Accounts Office III, IB
Market, Kolkata -106
7. Bill No. & Date :
8. T. V. No. & Date :
9. Amount Drawn : Rs. 3,00,000/-
10. Unspent Balance of Previous year, if any : Rs. 1870/-
11. Amount Utilised : Rs. 2,93,135/-
12. Unspent Balance, if any, in Current year : Rs. 8,735/-
13. Purpose of Utilisation : R & D Project Expenses

CERTIFICATE

Certified that I have satisfied myself that the conditions on which the Grant-in-Aid was sanctioned have been duly fulfilled/are being fulfilled that I have exercised the following checks to see that the money was actually utilised for the purpose for which was sanctioned.

[Applicable in case of unspent balance] The unspent fund will be adjusted against the Grant-in-Aid to be sanctioned and paid in the Current Financial Year (applicable in case of recurring grant only).

Kinds of checks exercised

1. Cash Book
2. Ledger
3.
4.
5.

Date: 09-11-2020
Sumantra B. Bhattacharya

Signature of PI

Dr. Sumantra Bhattacharya
Professor, Department of Chemistry
The University of Burdwan
Golapbati, Burdwan-713104
West Bengal

S. Chakrabarty
10.11.2020

Signature of Finance Officer

FINANCE OFFICER
THE UNIVERSITY OF BURDWAN
BURDWAN WEST BENGAL
(Signature of Statutory Auditor)

S. Chakrabarty
10.11.2020

Signature of Head of the

Institution with official stamp

REGISTRAR (Officialing)
THE UNIVERSITY OF BURDWAN
BURDWAN-713104



Dated: 31-Dec-2019

ORDER

Subject: Financial Sanction of the research project titled "**Symmetry-breaking states in coupled oscillators: Effects of dispersion, dissipation and noise**" under the guidance of Dr. Tanmoy Banerjee, Department of Physics, Burdwan University, Dde complex, Golapbag, post: rajbati, dist: burdwan, Bardhaman, West bengal-713104 - 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. 1034000/- (Rs. Ten Lakh Thirty Four Thousand Only)** with break-up of **Rs. 650000/- under Capital (Non-recurring) head** and **Rs. 384000/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 1034000/-** has been approved are given below:

S. No	Head	Total (in Rs.)
A	Non-recurring	650000
1	Equipment -> Digital Storage Oscilloscope -> Computer and Accessories	650000
A'	Total (Non-Recurring)	
B	Recurring Items	0
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	280000 10000 94000
2	Recurring - IV : (Overhead Charges)	384000
B'	Total (Recurring)	1034000
C	Total cost of the project (A' + B')	

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 650000/-** (Rupees Six Lakh Fifty Thousand only) under 'Grants for creation of capital assets' and **Rs. 134700/-** (Rupees One Lakh Thirty Four Thousand Seven Hundred only) under 'Grants-in-aid General' to **REGISTRAR, Burdwan University, DDE Complex, Golapbag, Post: Rajbati, Dist: Burdwan** 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 Physics-2 (Lasers Optics Atomic & Molecular Physics, Plasma High Energy Nuclear Physics Astronomy & Astrophysics and Nonlinear dynamics))

4. The Sanction has been issued to Burdwan University, DDE Complex, Golapbag, Post: Rajbati, Dist: Burdwan with the approval of the competent authority under delegated powers on **31 December, 2019** and vide Diary No. **SERB/F/8262/2019-2020** 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. 784700/-** (Rupees Seven Lakh Eighty Four Thousand Seven Hundred only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	BURUNIV
Account Name	The University of Burdwan SERB
Account Number	38989370861
Bank Name & Branch	State Bank of India Burdwan University, B.C.Road, Uttar Fatak, Burdwan West Bengal 713101
IFSC/RTGS Code	SBIN0002033
Email id of A/C Holder	registrar@buruniv.ac.in
Email id of PI	tbanerjee@phys.buruniv.ac.in

12. The institute will furnish to the SERB, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

13. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

14. The project File no. CRG/2019/002632 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

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

16. As this is the first grant being released for the project, no previous U/C is required.

17. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

18. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

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

Nilotpal Ghosh

(Dr. Nilotpal Ghosh)

MS

nilotpal@serb.gov.in

g. h. b.

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Tanmoy Banerjee Department of Physics Burdwan University, Dde complex, Golapbag, post: rajbati, dist: burdwan, Bardhaman, West bengal-713104 Email: tbanerjee@phys.buruniv.ac.in Mobile: 919434536732 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	REGISTRAR, Burdwan University, DDE Complex, Golapbag, Post: Rajbati, Dist: Burdwan (Receipt of Grant may be intimated by name to the undersigned)

Nilotpal Ghosh

(Dr. Nilotpal Ghosh)

MS

nilotpal@serb.gov.in

g. h. b.

9274

FILE NO. MTR/2022/000179
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: 29-Dec-2022

ORDER

Subject: Financial Sanction of the research project titled "**Nonlinear dynamics in the quantum regime: Synchrony, broken symmetry and entanglement**" under the guidance of **Prof. Tanmoy Banerjee, Department of Physics, The University of Burdwan, Burdwan rajbati, raiganj, bardhaman, Bardhaman, West bengal-713104** - Release of 1st grant.

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned fellowship at a total cost of **Rs. 6,60,000/- (Rs. Rupees Six Lakh Sixty Thousand only Only)** for a duration of 36 months.

The items of expenditure for which the total allocation of **Rs. 6,60,000/-** has been approved are given below:

S. No	Budget Head	Amount	Total (in Rs.)
1	Research Grant	Rs. 2,00,000/- per annum(for a period of three years)	6,00,000
2.	Overheads	Rs. 20,000/- per annum	60,000
3.	Total Cost		6,60,000

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 2,20,000/-** (Rupees Two Lakh Twenty Thousand only) under 'Grants-in-aid General' to **The University Of Burdwan, Burdwan Rajbati, Raiganj, Bardhaman** being the first installment of the grant for the year 2022-2023 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 MATRICS - MATRICS Expert Committee

4. The Sanction has been issued to with the approval of the competent authority vide Diary No. **SERB/F/8791/2022-2023** dated **29 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. Purpose for which grants can be used are detailed at website ([www. http://serb.gov.in/matrix.php](http://www.serb.gov.in/matrix.php)).

7. Total expenditure for International travel cannot exceed Rs.2,00,000 of the overall budget.

8. 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.

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 release amount of **Rs. 2,20,000/-** (Rupees Two Lakh Twenty Thousand only) (Recurring Rs. 220000 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	BURUNIV
Account Name	THE UNIVERSITY OF BURDWAN-SERB
Account Number	38989370861
Bank Name & Branch	State Bank of India Burdwan University, B.C.Road, Uttar Fatak
IFSC/RTGS Code	SBIN0002033
Email address of PI	tbanerjee@phys.buruniv.ac.in
Email id of A/C Holder	registrar@buruniv.ac.in
Email address of concerned officer	ms_ms@serbonline.in

11. The institute will furnish Utilization certificate(UCs) financial year wise to the SERB and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. The institute will maintain separate audited accounts for the fellowship. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.


13. The File no. MTR/2022/000179 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

14. As this is the first grant for the fellowship, no previous U/C is required.

15. 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.

16. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

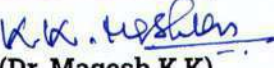
17. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


(Dr. Magesh K K)
Scientist D
ms_ms@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.	Prof. Tanmoy Banerjee Department of Physics The University of Burdwan, Burdwan rajbati, raiganj, bardhaman, Bardhaman, West bengal-713104 Email: tbanerjee@phys.buruniv.ac.in Mobile: 918637094582 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	REGISTRAR, The University of Burdwan, The University Of Burdwan, Burdwan Rajbati, Raiganj, Bardhaman (Receipt of Grant may be intimated by name to the undersigned)


(Dr. Magesh K K)
Scientist D
ms_ms@serbonline.in

Dated: 29-Mar-2019

ORDER

Subject: Financial Sanction of the research project titled "**Structurally Dynamic Model of Greenhouse Gas Emissions and Carbon Sequestration in Sundarban Mangrove Ecosystem, India**" under the guidance of Dr. Sudipto Mandal, DEPARTMENT OF ENVIRONMENTAL SCIENCE, Burdwan University, Dde complex, Golapbag, post: rajbati, dist: burdwan, Bardhaman, West bengal-713104 - 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. 3766000/- (Rs. Thirty Seven Lakh Sixty Six Thousand Only) with break-up of Rs. 1500000/- under Capital (Non-recurring) head and Rs. 2266000/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 3766000/- has been approved are given below:

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Kel Plus Automatic Nitrogen/Protein Estimation System with scrubber and automatic distillation -> Tedler Bags with Gas tight Syringe -> Salinity Meter -> TOC Analyzer	1500000
A'	Total (Non-Recurring)	1500000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies, Other Cost) Recurring - III : Scientific Social Responsibility	1164000 750000 10000
2	Recurring - IV : (Overhead Charges)	342000
B'	Total (Recurring)	2266000
C	Total cost of the project (A' + B')	3766000

2. Sanction of the SERB is also accorded to the payment of Rs. 1500000/- (Rupees Fifteen Lakh only) under 'Grants for creation of capital assets' and Rs. 765000/- (Rupees Seven Lakh Sixty Five Thousand only) under 'Grants-in-aid General' to REGISTRAR, Burdwan University, DDE Complex, Golapbag, Post: Rajbati, Dist: Burdwan being the first installment of the grant for the year 2018-2019 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 Empowerment and Equity Opportunities for Excellence in Science. (Task force Committee) (SC)

4. The Sanction has been issued to Burdwan University, DDE Complex, Golapbag, Post: Rajbati, Dist: Burdwan with the approval of the competent authority under delegated powers on 29 March, 2019 and vide Diary No. SERB/F/13134/2018-2019 dated 29 March, 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 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. 2265000/- (Rupees Twenty Two Lakh Sixty 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:

Account Name	THE UNIVERSITY OF BURDWAN
Account Number	420110100019490
Bank Name & Branch	BANK OF INDIA BURDWAN BRANCH, PARBATI BHAWAN, KALNA ROAD, BADAMTALA, BURDWAN, 713101, INDIA
IFSC/RTGS Code	BKID0004201
Email id of A/C Holder	registrar@buruniv.ac.in
Email id of PI	sudipto11@gmail.com

12. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

13. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

14. The project File no. EEQ/2018/001076 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

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

16. As this is the first grant being released for the project, no previous U/C is required.

17. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

18. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

19. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.

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

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Sudipto Mandal DEPARTMENT OF ENVIRONMENTAL SCIENCE Burdwan University, Dde complex, Golapbag, post: rajbati, dist: burdwan, Bardhaman, West bengal-713104 Email: sudipto11@gmail.com Mobile: 919433332532 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	REGISTRAR, Burdwan University, DDE Complex, Golapbag, Post: Rajbati, Dist: Burdwan (Receipt of Grant may be intimated by name to the undersigned)

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

GOVERNMENT OF WEST BENGAL
Science & Technology and Biotechnology DEPARTMENT

Tel:

Fax:

Memo No : 894(Sanc.)/ST/P/S&T/15G-13/2016

Date: 10/07/2019

Sanction Order for Grant-in-Aid

Demand No. : 76

Department Code : BS

Financial Year : 2019 - 2020

1. Sanctioning Authority: Science & Technology and Biotechnology
2. Name of the Grantee Institution: The University of Burdwan.
3. Address of the Grantee Institution: Rajbati, Burdwan- 713104.
4. Category of Grantee Institution: Education Institution
5. Amount Sanctioned: 300000 (in words Rs. Three Lakh 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, Calcutta 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 : Design and photophysical characterization of artificial photosynthetic systems consisting functionalized fullerenes and porphyrinoids clicked through non-covalent approach.
13. An amount of Rs 300000 is hereby allotted for this period in favour of the Registrar, Science & Technology & Biotechnology Dept. From the head of account 3425-60-200-00-010-31-02-V from the budget provision of the financial year, 2019 - 2020 under Demand No.76 Department Code BS and payable to Grantee Institution or by A/c payee cheque/By-Transfer Credit / ECS.
14. Head of Account Code :3425-60-200-00-010-31-02-V
15. Name of the Scheme :Financial Assistance to other Scientific Bodies for undertaking Scientific Projects/Surveys/Research/Training and Science Awareness & Science Popularisation programme
16. The amount will be drawn in T.R. from No.31.
17. The sanctioned amount will be payable to The University of Burdwan. 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: Present release Rs. 3,00,000/- is the 3rd and final installment of the total project cost of Rs. 10,53,000/- sanctioned for 3 year (s) work, will be transferred through e-Pradan system to THE UNIVERSITY OF BURDWAN, A/C No. 420110100019490(SB), IFSC CODE- BKID0004201, Mobile No. 9433962777(PI).
19. Total released amount is within the Budget Provision of the above mentioned head of account during 2019 - 2020
20. This order issues in exercise of the power delegated under Finance Department Memo. No. 1854-F.B. dated- 26.03.2019 with the concurrence of Finance Deptt. vide Gr. F.A. Branch. U.O. No. 001 FA/Education. Date 09/04/2019

Sd/-

DEPUTY SECRETARY

Science & Technology and Biotechnology

Copy forwarded for information and necessary action to:-

1. The Principal Accountant General (A&E), Treasury Buildings, Kolkata-700001
2. The Principal Accountant General (Audit), Treasury Buildings, Kolkata-700001
3. The Principal Accountant General (Receipt, Works & Local Bodies Audit), CGO Complex at Salt Lake, Kolkata-700091
4. Registrar, Science & Technology & Biotechnology Dept.
5. Pay & Accounts Officer-III, Calcutta PAO-III
6. PSO.
7. Shri A. K. Kalidaha, SSO.
8. Registrar, The University of Burdwan., Rajbati, Burdwan- 713104.
9. Dr. Sumanta Bhattacharya, P.I. of the Project, The University of Burdwan., Rajbati, Burdwan- 713104.
10. Shri Soumyajit Mukherjee, SSO.

11. Guard File.


DEPUTY SECRETARY



FORM-L
UTILISATION CERTIFICATE

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Human Resource Development Group
CSIR Complex, Library Avenue, Pusa, New Delhi – 110012

CSIR-HRDG Scheme No. 27(0322)/17/EMR-II, dated 12.04.2017

S.No	Particulars	Letter No. & Date	Amount (Rs.)
1	Grants received from CSIR during the year	27(0322)/17/EMR-II, dated 12.04.2017	13,20,000
2	Unspent balance of previous year	-	-
3	Interest earned/accrued on CSIR grant	-	NIL
Total			13,20,000

1. Certified that out of Rs. **13,20,000.00** (Rupees **Thirteen lakh Twenty thousand only**) of grant-in-aid released by Extramural Research (EMR) Division of HRDG (CSIR) during the year **2017-18** and Rs. **4,10,870.00** has been utilized for the purpose for which it was sanctioned, a sum of Rs. **NIL** earned/accrued as interest from bank on grants released by CSIR and that the balance of Rs. **9,09,130.00** remaining unutilized at the end of the year will be adjusted towards the grant-in-aid payable during the next year.

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned. The detail expenditure incurred during the year is shown in the enclosed "Statement of Accounts".

(Kinds of checks exercised)

1. Vouchers and Statement of Accounts
2. Grant-in-Aid
3. Expenditure Register
4. Bank statements for accrual interest

Somasri Dam

Dr. Somasri Dam, PI
University of Burdwan
Burdwan-713104
West Bengal, India
Dr. Somasri Dam
Assistant Professor
Dept. of Microbiology
The University of Burdwan
Golapbag, Burdwan - 713104

NOV 26 2018
Finance Officer
University of Burdwan
Burdwan-713104
West Bengal, India

FINANCE OFFICER
THE UNIVERSITY OF BURDWAN
BURDWAN WEST BENGAL

26/6/18
Registrar
University of Burdwan
Burdwan-713104
West Bengal, India
REGISTRAR (Officiating)
THE UNIVERSITY OF BURDWAN
BURDWAN-713104

The Utilization certificate and statement should be signed by Head of the Finance & Accounts and countersigned by Registrar/Dean/Director of the University/Institute.





FORM-L
UTILISATION CERTIFICATE

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
Human Resource Development Group
CSIR Complex, Library Avenue, Pusa, New Delhi – 110012

CSIR-HRDG Scheme No. 27(0322)/17/EMR-II, dated 12.04.2017

S.No.	Particulars	Letter No. & Date	Amount (Rs.)
1	Grants received from CSIR during the year	NEFT on 02.01.2019	2, 35, 483
2	Unspent balance of previous year	-	9,09,130
3	Interest earned/accrued on CSIR grant	-	NIL
Total			11,44,613

1. Certified that out of **Rs. 2, 35, 483 (Rupees Two lakh thirty five thousand four hundred and eighty three only)** of grant-in-aid released by Extramural Research (EMR) Division of HRDG (CSIR) during the year 2018-19 and **Rs. 9,09,130 (Rupees Nine lakh nine thousand one hundred and thirty only)** on account of unspent balance from the previous year 2017-18, **Rs. 11, 44, 613 (Rupees eleven lakh fory four thousand six hundred and thirteen only)** has been utilized for the purpose for which it was sanctioned, a sum of Rs. **NIL** earned/accrued as interest from bank on grants released by CSIR and that the balance of **Rs. 0 (Rupees zero)** remaining unutilized at the end of the year.

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned. The detail expenditure incurred during the year is shown in the enclosed "Statement of Accounts".

(Kinds of checks exercised)

1. Vouchers and Statement of Accounts
2. Grant-in-Aid
3. Expenditure Register
4. Bank statements for accrual interest

Somasri Dam

Dr. Somasri Dam, PI
Assistant Professor
University of Burdwan
Burdwan-713104
West Bengal, India

2019
Finance Officer
University of Burdwan
Burdwan-713104
West Bengal, India
FINANCE OFFICER
THE UNIVERSITY OF BURDWAN
BURDWAN WEST BENGAL

20
Registrar
University of Burdwan
Burdwan-713104
West Bengal, India
Registrar (Officiating)
THE UNIVERSITY OF BURDWAN
BURDWAN-713104

The Utilization certificate and statement should be signed by Head of the Finance & Accounts and countersigned by Registrar/Dean/Director of the University/Institute.



FORM-L
UTILISATION CERTIFICATE

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
Human Resource Development Group
CSIR Complex, Library Avenue, Pusa, New Delhi – 110012

CSIR-HRDG Scheme No. 27(0322)/17/EMR-II, dated 12.04.2017

S.No.	Particulars	Letter No. & Date	Amount (Rs.)
1	Grants received from CSIR during the year	NEFT on 19.07.2019 27/322/17-EMR-II 24.5.19	4,00,000
2	Unspent balance of previous year	-	NIL
3	Interest earned/accrued on CSIR grant	-	NIL
Total			4,00,000

1. Certified that out of **Rs. 4,00,000 (Rupees Four lakhs only)** of grant-in-aid released by Extramural Research (EMR) Division of HRDG (CSIR) during the year 2019-20 and **NIL** on account of unspent balance from the previous year 2017-18, **Rs. 3,99,998 (Rupees Three lakhs ninety nine thousand nine hundred and ninety eight only)** has been utilized for the purpose for which it was sanctioned, a sum of Rs. **NIL** earned/accrued as interest from bank on grants released by CSIR and that the balance of Rs. **2 (Rupees two only)** remaining unutilized at the end of the year.

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned. The detail expenditure incurred during the year is shown in the enclosed "Statement of Accounts".

(Kinds of checks exercised)

1. Vouchers and Statement of Accounts
2. Grant-in-Aid
3. Expenditure Register
4. Bank statements for accrual interest

Somasri Dam
10/09/2020
Dr. Somasri Dam, PI
University of Burdwan
Burdwan-713104
West Bengal, India

Dr. Somasri Dam
Assistant Professor
Dept. of Microbiology
The University of Burdwan
Golapbag, Burdwan - 713104

S. Chakrabarti
14.09.2020
Finance Officer
University of Burdwan
Burdwan-713104
West Bengal, India

FINANCE OFFICER
THE UNIVERSITY OF BURDWAN
BURDWAN WEST BENGAL

S. Chakrabarti
14.09.2020
Registrar
University of Burdwan
Burdwan-713104
West Bengal, India

REGISTRAR (Officiating)
THE UNIVERSITY OF BURDWAN
BURDWAN-713104

The Utilization certificate and statement should be signed by Head of the Finance & Accounts and countersigned by Registrar/Dean/Director of the University/Institute.

GFR 12 – A
[(See Rule 238 (1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2023-2024 in respect of
NON-RECURRING
as on 01.04.2023-16.10.2023 to be submitted to SERB
Is the UC (Provisional/Audited)
(To be given separately for each financial year ending on 31st March)

1. Name of the grant receiving Organization: The University of Burdwan
2. Name of Principal Investigator (PI) : Naba Kumar Mondal
3. SERB Sanction order no. & date : CRG/2019/004506 dated: 14.01.2020
4. Title of the Project : Vulnerability of tribal women affected from dual effects of biomass and tobacco smoke:
A biomarker based cross-sectional study
4. Name of the SERB Scheme : CRG
5. Whether recurring or non-recurring grants: **NON-RECURRING**
6. Grants position at the beginning of the financial year
 - (i) Carry forward from previous financial year : 27,973/-
 - (ii) Others, If any : NIL
 - (iii) **Total** : **27,973/-**

7. 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
			Sanction No. (i)	Date (ii)	Amount (iii)			
27,973/-	-	NIL	-	-	NIL	27,973/-	NIL	27,973/-

Component wise utilization of grants:

Grants-in-aid- General	Grant-in-aid-creation for capital assets	Total
NIL	NIL	NIL

Details of grants position at the end of the year

- (i) Balance available at end of financial year : 27,973/-
- (ii) Unspent balance refunded to SERB (If any) : NIL
- (iii) Balance (Carried forward to next financial year) If applicable : 27,973/-



GFR 12 – A
[(See Rule 238 (1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2023-
2024 in respect of NON-RECURRING
as on 16/10/2023 to be submitted to SERB
Is the UC (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: 05.02.2024

Place: Burdwan

<p style="text-align: center;"><i>Naba Kumar Mandal</i></p> <p>Signature of PI :</p> <p style="text-align: center;">Principal Investigator ISI-SERB Major Project</p>	<p style="text-align: center;"><i>S. Chakrabarti</i> 13/02/24</p> <p>Signature with Seal :</p> <p>Name:</p> <p style="text-align: center;">Chief Finance Officer (Head of Finance)</p>	<p style="text-align: center;"><i>S</i> 21/02/24</p> <p>Signature with Seal.....</p> <p>Name:</p> <p style="text-align: center;">Head of Organisation</p>
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FINANCE OFFICER
THE UNIVERSITY OF BURDWAN
BURDWAN WEST BENGAL

REGISTRAR
THE UNIVERSITY OF BURDWAN
BURDWAN - 713104

(Strike out inapplicable terms)



GFR 12 - A
[[See Rule 238 (1)]]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2023-2024 In respect of RECURRING
as on 01/04/2023-16/10/2023 to be submitted to SERB

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

1. Name of the grant receiving Organization : The University of Burdwan
2. Name of Principal Investigator (PI) : Naba Kumar Mondal
3. SERB Sanction order no. & date : CRG/2019/004506 dated: 14.01.2020
4. Title of the Project : Vulnerability of tribal women affected from dual effects of biomass and tobacco smoke: A biomarker based cross-sectional study
5. Name of the SERB Scheme : CRG
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 : 47,265/-
 - (ii) Others, if any : NIL
 - (iii) **Total** : 47,265/-

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
			Sanction No. (i)	Date (ii)	Amount (iii)			
47,265/-	-	NIL	CRG/2019/004506	21 August, 2023	3,00,000/-	3,47,265/-	5,41,553/-*	(-)1,94,288/-

*Including committed expenditure of Rs 1,95,328/-

Component-wise utilization of grants:

Grants in salary	Grants-in-aid- General	Grant-in-aid-creation for capital assets	Total
2,45,090/-	2,96,463/-	-	5,41,553/-

Details of grants position at the end of the year

- (i) Balance available at end of financial year : (-) 1,94,288/-
- (ii) Unspent balance refunded to SERB (if any) : NIL
- (iii) Balance (Carried forward to next financial year) if applicable : (-) 1,94,288/- (which is to be reimbursed)



GFR 12 – A
[(See Rule 238 (1))]
UTILIZATION CERTIFICATE (UC) FOR THE YEAR 2023-
2024 In respect of RECURRING as on 16/10/2023 to be
submitted to SERB

Is the UC *(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: 05-02-2024

Place: Burdwan

<p style="text-align: center;"><i>Nelso Kumar Mandal</i></p> <p>Signature of PI :</p> <p style="text-align: center;">Principal Investigator DST-SERB Major Project</p>	<p style="text-align: center;"><i>S. Chakrabarti</i> 13/04/24</p> <p>Signature with Seal.....</p> <p>Name:</p> <p style="text-align: center;">Chief Finance Officer (Head of Finance)</p> <p style="text-align: center;">FINANCE OFFICER THE UNIVERSITY OF BURDWAN BURDWAN WEST BENGAL</p>	<p style="text-align: center;"><i>S</i> 21/02/24</p> <p>Signature with Seal.....</p> <p>Name:</p> <p style="text-align: center;">Head of Registration THE UNIVERSITY OF BURDWAN BURDWAN - 713104</p>
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Kolkata Centre
कोलकत्ता 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)

UGC-DAE-CSR-KC/CRS/19/TE05/ 1071/1087

Date: 10.05.2019

To
The Registrar
The University of Burdwan,
Burdwan- 713104 West Bengal

Sub: Collaborative Research Schemes (Research Project) entitled "Evaluation of available trace elements and methane emission from OCP at Raniganj-Asansol coal field areas, Paschim Bardhaman" of Prof. Apurba Ratan Ghosh, Department of Environmental Science, Burdwan University

Dear Sir,

This is to inform you that based on recommendations of the User Committee, UGC-DAE Consortium for Scientific Research, Kolkata Centre has approved the aforecaptioned proposal for **full support** (One research scholar, contingency, consumables and travel) as a Collaborative Research Scheme (CRS) **w.e.f. 01.06.2019. Pls refer to user committee's comments below.**

It is envisaged that the research activities under this scheme be based on active academic collaboration with the respective in-house group(s) and is undertaken using the facilities outlined in the original proposal.

Terms and conditions of the sanction are outlined in Annexure-I. The other guidelines or rules stipulated by the UGC, if any, will be intimated to you accordingly.

All correspondences related to the CRS from the PI, need to be communicated to the respective Research Coordinator(s) mentioned below.

Yours sincerely,

M K Chakraborty,
Administrative Officer -I (Personnel),
Kolkata Centre of UGC DAE CSR

Copy to :

- Prof. Apurba Ratan Ghosh, Department of Environmental Science, The University of Burdwan, Burdwan- 713104 West Bengal
- Shri. R P Chattopadhyay, Administrative Officer -I (Accounts), Kolkata Centre of UGC DAE CSR.
- Dr. M.Sudarshan, Research Coordinator, Kolkata Centre of UGC DAE CSR

Comments of User Committee

The proposal was very well presented. The proposal is recommended for full support, however the PI is encouraged to limit the study to trace elements profiling in water and soil of the coalfield areas, while excluding the methane emission analysis.

ANNEXURE- I

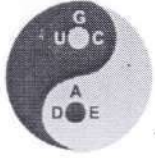
1. In principle CRS approval has scientific sanction for three years and financial sanction for one year. Financial sanction will be renewed on a yearly basis subject to receipt of satisfactory progress report, utilization certificate (U.C) for the previous year & claim bill for the current.
2. Grant for fellowship is approved for one research scholar for one year. Fellowship money will be released after joining of the fellow and will commence from the date of joining of the fellow.
3. The grant of Rs.30,000/- as consumable and Rs 15,000/- as contingency has been sanctioned for one year. This shall not cover any expenses related to travel and / registration for Workshop and Conference.
4. Travel will be supported (directly From the Centre) after prior approval from the centre, and travel fund can be utilized by the project PI and Student(s) under the scheme for their visit to the Centre either for discussion or performing experiment(s) related to the project/scheme following norms of University. Travel support will be also be provided to the PI/Student(s) for participation in conferences, workshop discussion meeting, seminar etc. associated with the collaborative program within the country after obtaining prior approval from the Centre. Field trips relevant to the present scheme would be considered on a case-to-case basis, and the PI is requested to submit the details (justification, itenary, proposed measurements etc) atleast one month in advance to the respective Research Co-ordinators electronically.
5. Users of Gamma Irradiation facility (for experiments related to the sanctioned CRS) are requested to fill in and submit the enclosed from.
6. Release of the grant for fellowship and contingency is subject to **receipt of Claim –bill (TR-42, enclosed as Annexure II) and also the Utilization Certificate (UC)** duly certified by the competent authority of the University / College (such as Finance Officer, Registrar) (in the successive years) .
7. Fellow recruitment should be made by an open selection and be as per UGC guideline. The recruitment procedure to be initiated within 3 months of the commencement of the CRS and appointment to be completed within 6 months of the same. Details of designations, requirements and fellowship rates are given below.

Designation	Remuneration	Minimum Qualifications
Project Fellow	Rs 14,000/pm + HRA	For Sciences : 2 nd Class M.Sc with a minimum of 55% marks in the subject concerned or For Engineering : 1 st Class B.E / B.Tech degree.
	Rs 16,000/- pm + HRA	After 2 years as a Project Fellow , if the research work is found satisfactory on assessment (by a 3 member expert committee with an external member) with at least one research paper in a reputed journal out of the work done under the project.
Project Associate-I	Rs 25,000/- pm + HRA	For Sciences : 2 nd Class M.Sc with a minimum of 55% marks in the subject concerned + GATE / NET-JRF / Lectureship (UGC-CSIR joint test) / SLET or For Engineering : M.E / M.Tech with minimum 55% marks. GATE is not a mandatory condition.
Project Associate-II	Rs 28,000/- pm + HRA	After 2 years as a Project Associate-I . If the research work is found satisfactory on assessment (by a 3 member expert committee with an external member) with at least one research paper in a reputed journal out of the work done under the project.



8. All recruitment should be authorised by a Selection Committee constituted as per rules of University/institution in which the Principal Investigator is working. The advertisement should be widely circulated atleast electronically. The Selection Committee selecting a Research Scholar, under the Collaborative Research Scheme (CRS) shall have a representative of this institution (To be nominated by the Centre Director). The PIs should inform the interview schedule to the Centre Director, **3 weeks in advance**. The Centre Director would then arrange for a nominee to be present. **The appointment cannot be made if the 3 weeks notice is not given**. The Centre Director may, with the approval of Director, waive the requirement of the nominee being present. Copy of the advertisement, details of the electronic circulation, minutes of the Selection Committee, appointment letter and joining report and other relevant documents of the fellow joining should be sent to respective program coordinator of the Centre for release of fellowship grant. Fellowship money will be released only after joining of the fellow. It is preferred / recommended that the research scholar have qualified National level Ph.D entrance exams such as UGC-CSIR NET, SLET etc.
9. In all cases of appointment under the scheme, it must be mentioned in the appointment letter that the appointment is purely temporary and will terminate automatically without any notice of compensation on termination of the research scheme and the appointed person will have no claim of appointment/absorption in UGC DAE CSR, KC. An undertaking must be taken from the appointed person in this effect. Leave rules for the appointed fellow will be as per the host institution of the PI.
10. Initiation of fellowship may not coincide with the initiation of the CRS, as such one year sanction of fellowship corroborates with 12 months of fellowship to be consumed from the date of joining of the fellow.
11. **No over head charges** would be payable to the Universities/Institutions since the Consortium is not a funding Agency but is a wholly funded unit of UGC.
12. Contingency fund to be utilised for computational work, purchase of stationery and other consumables pertaining to the concerned project. **No grant is allocated for any capital Equipment /Asset**.
13. Every research scheme will be reviewed towards the end of a year. Depending on the progress of the collaborative research scheme, a decision will be taken for the sanction of funds for the next year of the project. **An annual statement of Accounts and a Certificate of Utilization of money sent for the research scheme must be sent to the respective program coordinator of the Centre of completion of each year.**
14. The draft of the manuscript pertaining to the results (either partial or complete) obtained under this support should be circulated to all the collaborators/co-authors, prior to the final submission to a journal or conference. Any publication resulting from the studies, either in a journal or for a conference abstract, may be based on detailed discussions between all the collaborators. **The publication must be in SCI (JCR) journals.**
15. Every such paper should carry the following acknowledgement "This work (part of this work) was performed under the Collaborative Research Scheme no(*) of UGC DAE Consortium for Scientific Research (use of the specific facility at the concerned institute is to be acknowledged). In addition, if the author has received help from any personnel of the Centre, he/she may acknowledge the same suitably either in the acknowledgement or as a co-author.
16. One copy of reprint of the publication should be sent to the research program coordinator.
17. *Kindly refer the reference number of the sanction letter.





Kolkata Centre
कोलकत्ता 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)

UGC-DAE-CSR-KC/CRS/19/TE-05/ ~~520~~ 521

Date:-19/10/2020

To
The Registrar,
University Of Burdwan
West Bengal 713104

Sub: UGC-DAE CSR, KC Collaborative Research Scheme (Research Project) entitled "*Evaluation of available trace elements methane emission from OCP at Ranigani- Asansol coal field areas, Paschim Bardhaman*" of Prof. Apurba Ratan Ghosh Dept of Environmental Science, University Of Burdwan

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**.

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.

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).

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:

Prof. Apurba Ratan Ghosh Dept. of Environmental Science, University Of Burdwan

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

यूजीसी -डीईकॉन्सॉर्टियमफॉरसाइंटिफिकरिसर्च

UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH

(यूनिवर्सिटीग्रान्दसकमीशन, नईदिल्लीकीस्वायत्तसंस्था)

कोलकाताकेंद्र

Kolkata Centre

LB-8, Sector-III, Bidhannagar, Kolkata-700106

ANNEXURE- I

Fellowship Details

Designation	Remuneration	Minimum Qualifications
Project Fellow	Rs 14,000/pm + HRA	For Sciences : 2 nd Class M.Sc with a minimum of 55% marks in the subject concerned or For Engineering : 1 st Class B.E / B.Tech degree.
	Rs 16,000/- pm + HRA	After 2 years as a Project Fellow , if the research work is found satisfactory on assessment (by a 3 member expert committee with an external member) with at least one research paper in a reputed journal out of the work done under the project.
Project Associate-I	(*) Rs 31,000/- pm + HRA	For Sciences : 2 nd Class M.Sc with a minimum of 55% marks in the subject concerned + GATE/NET-JRF/Lectureship (UGC-CSIR joint test) / SLETor For Engineering : M.E / M.Tech with minimum 55% marks. GATE is not a mandatory condition.
Project Associate-II	(*) Rs 35,000/- pm + HRA	After 2 years as a Project Associate-I . If the research work is found satisfactory on assessment (by a 3 member expert committee with an external member) with at least one research paper in a reputed journal out of the work done under the project.

(*) w.e.f 1st June 2019



Kolkata Centre
कोलकत्ता केन्द्र

UGC-DAE Consortium for Scientific Research

विश्वविद्यालय अनुदान आयोग - परमाणु ऊर्जा विभाग वैज्ञानिक अनुसंधान संकुल

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

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

UGC-DAE-CSR-KC/CRS/19/TE-05/0488

Date:-25/10/2021

To
The Registrar,
University Of Burdwan
West Bengal 713104

Sub: UGC-DAE CSR, KC Collaborative Research Scheme (Research Project) entitled "*Evaluation of available trace elements methane emission from OCP at Raniganji- Asansol coal field areas, Paschim Bardhaman*" of Prof. Apurba Ratan Ghosh Dept of Environmental Science, University Of Burdwan

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 third year w.e.f 1st June 2021.


It is recommended that PIs update the status of publication (where there was no publication or manuscript was at the stage of communication / preparation) arising out of the CRS in SCI journal, if any, within 06 months of the date of the last report.

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

Kindly note that the HRA has been revised with effect from 1st July 2021 and the enhanced rate of HRA is 27%, 18% and 9% as applicable.

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:

Prof. Apurba Ratan Ghosh Dept. of Environmental Science, University Of Burdwan

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