



Ref: CRS/2021-22/01/351

Date: 30-03-2022

To,
Prof. Malay Kumar Das
University of North Bengal

Subject: CRS Project Proposal at UGC-DAE CSR.

Dear Prof. Malay Kumar Das,

Thank you for submitting CRS project proposal at UGC-DAE CSR. Your proposal was evaluated by the User Committee and it has been approved as:

Research Student (@ ₹14,000/- pm) + HRA=	₹1,68,000/- + HRA
Contingency	₹15,000/-
Consumables	₹30,000/-

If the selected student has M.Sc., with GATE/NET-JRF, then Project Associate-I may be given(@ ₹31,000/- pm)+HRA for which additional prior approval has to be taken from the Centre-Director of respective Centre.

Your Principal Collaborator from UGC-DAE CSR in this project is: **Dr. N. P. Lalla.**

This project has been approved as per the guidelines/addendum available at our website.

The details of guidelines, addendum and remittance information are available at our website(<https://csr.res.in/>) and User portal(https://csruserportal.com/Crs_information).

Dr. Vasant G. Sathe
Centre-Director, Indore Centre



विश्वविद्यालय अनुदान आयोग - परमाणु ऊर्जा विभाग वैज्ञानिक अनुसंधान संकुल
UGC-DAE Consortium for Scientific Research
(An Autonomous Institution of University Grants Commission, New Delhi)

Government of India | Department of Atomic Energy
Raja Ramanna Centre for Advanced Technology
INDORE

Beamline utilizing Indus Synchrotron Radiation sources at RRCAT,
Indore

Project No. 2021/CRS/11/25/640

Project Title: Critical Behavior at the Smectic-A-to-Smectic-C Transition
investigated by Synchrotron Radiation

Project details	
Type of Project:	Beamline utilizing Indus synchrotron radiation sources at RRCAT
Name(s) of Principal Collaborator from UGC-DAE CSR:	Dr. N. P. Lalla
Personal Information	
Name of the Principal Investigator (PI):	Malay Kumar Das
Designation:	Professor
Affiliation:	University of North Bengal
Official E-mail address:	mkdnbu@yahoo.com
Postal address:	Dept. of Physics North Bengal University Siliguri 734 013
Co-Principal Investigator	
Name of the Principal Investigator (PI):	Dr. Banani Das
Designation:	Associate Professor
Affiliation:	Siliguri Institute of Technology
Official E-mail address:	banbuin@yahoo.com
Postal address:	Hill Cart Road, P.O. Sukna, Siliguri, Dist Darjeeling, West Bengal PIN 734 011



Ref: CRS/2021-22/01/351

Date: 2024-02-20

Arrear Sanction Order

To,
The Registrar/Principal/Financial Authority,
Through Prof. Malay Kumar Das
University of North Bengal

Subject: Collaborative Research Scheme(CRS) Project of UGC-DAE CSR entitle

'Investigations on the Critical Behavior at the Smectic-A-to-Smectic-C and Smectic A-Smectic C Phase Transitions in liquid crystals by Synchrotron Radiation '* by **Prof. Malay Kumar Das.**

Dear Madam/Sir,

In continuation to our sanction letter the CRS project submitted to UGC-DAE CSR by **Prof. Malay Kumar Das** of your institution has been approved by the competent authority. The principal collaborator from UGC-DAE CSR is **Dr. N. P. Lalla**. The details of the remittance are given below:

Total Amount	Date of remittance	PFMS Ref. No.
₹ 360687/-	2024-02-20	C022455125302
No overheads are available under this scheme		

This project has been approved as per the guidelines given below:

1. This is a Collaborative Research Scheme (CRS) of UGC-DAE CSR. In view of the complex and involved nature of the experiments, any publication emerging under the project must be of collaborative in nature with due consents from the scientists at UGC-DAE CSR and/or DAE centres, and in consultation with the Principal Collaborator/Coordinator. Following phrase must be included in the acknowledgement: "This work was partially/fully carried out using the facilities of UGC-DAE CSR. The authors acknowledge the financial support from UGC-DAE CSR through a Collaborative Research Scheme (CRS) project number **CRS/2021-22/01/351**."
2. This project is sanctioned for **one year** but it may be extended on yearly basis subject to a total period of three years.
3. In case the CRS project has been approved without student fellowship, it will not be possible to grant student fellowship in subsequent years as well.
4. The PI must '**Apply for an Experiment Time**' through our online user portal <https://csruserportal.com/> for utilization of each experimental facility each time.
5. The project will be reviewed at the end of each year to consider sanction and financial allocation for the succeeding year.

6. The release of grants for the subsequent years can be made only upon receipt of funds from UGC towards the scheme. A separate sanction order will be issued for the subsequent years.

7. At the end of the financial year (i.e. by March 31) the PI should submit:

- (i) Utilization Certificate in the format provided at our website for the amount spent and
- (ii) A Statement of Expenditure duly signed by the Registrar/Principal/competent financial authority of your university/institution to the Centre-Director of respective Centre. The release of funds for the subsequent year(s) can only be made after receiving the above documents.

8. The UGC-DAE CSR will be able to reimburse the travel expenses to Project Investigators as per rules, limited to 2nd AC train fare visiting a centre on project work. However, the student participant is permitted for a sleeper class train fare by the shortest route and is as per prevailing norms of UGC-DAE CSR.

Rules for selection of a CRS project fellow

The CRS project fellow (if approved) should be made by an open selection procedure as per UGC guidelines. The recruitment procedure should be completed within 3 months after the release of the sanction order. The details for recruitment are given below:

#	Designation	Remuneration	Qualifications
1	CRS Project Fellow (Junior) -I	₹14,000 + HRA	M.Sc. (not earlier than 3 years) with a minimum of 55% marks in the concerned subject (for Science) M.E. / M. Tech. (not earlier than 3 years) 1st Class (for Engineering)
2	CRS Project Fellow (Senior)-I	₹16,000 + HRA	After completion of 2 years as a CRS Project Fellow (Junior) -I + at least one research paper in a reputed SCI journal + assessment of the student by a 3 member expert committee approved by the Centre-Director
3	CRS Project Fellow (Junior)-II	₹31,000 + HRA	Same as (1) + valid JEST/GATE/NET-JRF/Lectureship/UGC-CSIR NET JRF/Lectureship + Ph.D. registration of the student under the supervision of the PI at the University where PI's institute is affiliated
4	CRS Project Fellow (Senior)-II	₹35,000 + HRA	After completion of 2 years as a CRS Project Fellow (Junior)-II + at least one research paper in a reputed SCI journal + assessment of the student by a 3 member expert committee approved by the Centre-Director

1. All recruitment should be authorized by a selection committee as per rules of University/Institution in which the PI is working. The advertisement should be widely circulated electronically and a copy should be sent to the Principal Collaborator.

2. For appointing a student in the CRS project, the interview panel must be approved by the Centre-Director of the respective Centre. The PI should inform the interview schedule as least 2 weeks in advance. The entire process should be conducted in an online/hybrid mode.

3. A UGC-DAR CSR nominee along with Principal Collaborator is needed for all interviews and upgradations.

4. For all appointments, it has to be mentioned that it is on purely temporary basis and will co-terminate with the CRS project. Leave rules for the appointed fellow will be as per the host institution of PI.

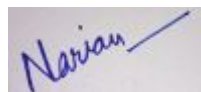
5. Appointment of student in the project is not permitted in the second or third year of the project.

6. While appointing as well as upgrading, a copy of relevant documents including CV along with educational qualification documents (incl. NET/GATE, etc.), minutes of the selection committee/upgradation committee, appointment letter, joining report etc. must be send to the Centre-Director of the respective Centre.

7. The student appointed under this project should spend a substantial amount of time at UGC-DAE CSR.

8. Contingency fund to be utilized for computational work, purchase of stationary and other consumables pertaining to the concerned project. No grant is allocated for any capital equipment/asset.

Copy to: Through User Portal to: Director, concerned Centre-Director, User Office, Prof. Malay Kumar Das, Dr. N. P. Lalla, AO for information.



Narian Kr.Lengay
Administrative Officer-I
(UGC-DAE CSR)