



Surya Sen Mahavidyalaya

Siliguri



ASSESSMENT PERIOD
2018-2019 TO 2022-2023

SUPPORTING ATTACHMENTS

CRITERION – 3

Key Indicator – 3.5 Collaboration

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

Content:

R&D Project of UGC DAE CSR Kolkata Centre.



Kolkata Centre
कोलकता 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/MS05/0936

Date: 10.05.2019

To
The Principal
Surya Sen Mahavidyalaya,
Siliguri, West Bengal:- 734004, India

Sub: Collaborative Research Schemes (Research Project) entitled "*Magnetoelectric properties of $ABaB_2O_7$ "114" oxides (A = Lanthanides/Y/Ca/Sr, B = Co/Fe/Mn)*" of Dr. Arindam Karmakar, Assistant Professor, Department of Physics, Surya Sen Mahavidyalaya, Siliguri, West Bengal:- 734004, India

Dear Sir/Madam,

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 (research scholar, contingency, consumables and travel) as a Collaborative Research Scheme (CRS) **w.e.f. 01.06.2019**.

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, be communicated to the respective Research Co-ordinator(s) mentioned below.

Yours sincerely,

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

Copy to:

- Dr. Arindam Karmakar, Assistant Professor, Department of Physics, Surya Sen Mahavidyalaya
- Mr. R. P. Chattopadhyay, Administrative Officer–I (Accounts), Kolkata Centre of UGC DAE CSR.
- Dr. Souvik Chatterjee, Research Coordinator, Kolkata Centre of UGC DAE CSR

DR. P.K. MISHRA
Principal
Surya Sen Mahavidyalaya
Siliguri - 734004

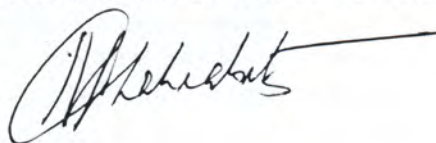


ANNEXURE- I

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.




DR. P.K. MISHRA
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SURYA SEN MAHAVIDYALAYA

[A Multi-stream Govt. Aided College & Recognised by UGC u/s 2(f) &12(b)]

[NAAC ACCREDITED] [ISO 9001:2015]

Block B, Surya Sen Colony, Siliguri, WB – 734004.

(Affiliated to University of North Bengal)



Department of Physics

Date: 08.06.2022

R&D Project of UGC DAE CSR Kolkata Center

An R&D Project was implemented w.e.f. 01.06.2019 till 31.05.2022 with the title “Magnetolectric properties of $ABaB_4O_7$ "114" oxides (A =Lanthanides/ Y / Ca / Sr , B = Co / Fe / Mn)” and project no. UGC-DAE-CSR-KC/CRS/19/MS05/0936 dated 10.05.2019. A Project Fellow was also employed in the project. The project was based on the experimental studies of structural, dielectric and magnetic properties of some magnetolectric compounds. The activities included visits of the PI and the Project Fellow to various national and international centers for performing experiments.

Participants:

PI: Dr. Arindam Karmakar, Assistant Professor, Dept. of Physics, Surya Sen Mahavidyalaya, Siliguri.

Research Scholar: Mijanul Islam, Project Fellow, Dept. of Physics, Surya Sen Mahavidyalaya, Siliguri.



Sample loading in Elettra Sincrotrone Trieste (left) and sample preparation (right) by the Project Fellow.

Arindam Karmakar

Dr. Arindam Karmakar

Assistant Professor

Physics


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