



UGC-DAE Consortium for Scientific Research, Mumbai Centre
(Formerly IUC-DAEF)
R5 Shed, BARC, Mumbai 400085

**COLLABORATIVE RESEARCH SCHEMES
USING FACILITIES UNDER
SOLID STATE PHYSICS DIVISION,
National Facility for Neutron Beam Research (NFNBR), BARC
AND
UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH,
Mumbai Centre**

(Please attach separate sheets wherever required)

1. Title of Collaborative Research Scheme :

2. Name, designation and area of specialization
of Principal Investigator (PI) :

3. Affiliation of Principal Investigator :
(Address, Telephone, Fax and E-mail)

4. Name, Designation and Affiliation of
Co-Investigator (if any) :

5. Brief description of the research proposal :
(See Instructions and Guidelines for
submitting proposals)

6. Give details of any earlier relevant
project of Principal Investigator :

7. Has this CRS been discussed earlier with :
a scientist at SSPD or UGC-DAE CSR?
If so, mention salient points and the names
of the scientists

8. Specify the name of the neutron instrument :
required for the experiments

9. Sample description

No. of samples :
Chemical formulae :
Physical state (Single crystal/
Polycrystalline/Amorphous Solid/
Liquid, etc.) :
Sample quantity :
Nature of samples : No risk / Hazardous
If hazardous, specify the risk (e.g. Toxic/
Radioactive/Inflammable/Any others) :

10. Values of temperatures and pressures for :
measurements (please specify the sample
environment equipment required)

11. Whether computational support is required :

12. Financial support required from :
UGC-DAE CSR for the CRS under
headings : (i) student fellowship,
(ii) chemical and (iii) contingency
for maximum of 3 years with
year-wise breakup

DECLARATION

1. As the Principal Investigator (PI), I understand that it is my responsibility to carry out the CRS as per rules and regulations of UGC-DAE CSR and SSPD, BARC.
2. The scientific program of the CRS will be carried out jointly by me and a Principal Collaborator (SSPD, BARC / UGC-DAE CSR scientist). All scientific publications resulting from the CRS, will be communicated with each other's consent. Technical and scientific assistance from UGC-DAE CSR or SSPD personnel will be acknowledged, either in the acknowledgements or in authorship.
3. Financial support received from UGC-DAE CSR will be acknowledged explicitly in all publications.
4. Progress reports, extension requests, conclusion documents, etc., will be submitted by me to the UGC-DAE CSR with the consent of the Principal Collaborator.
5. Copies of the publications, thesis, etc., resulting from the CRS will be sent to UGC-DAE CSR, Mumbai Centre and SSPD, BARC.

Place : _____

Date : _____

Signature of Principal Investigator

Forwarded

Signature and Seal of
Head of Department

INSTRUCTIONS AND GUIDELINES FOR SUBMITTING PROPOSALS

1. Please send 3 copies of completed application form to :

Centre Director,
UGC-DAE Consortium for Scientific Research, Mumbai Centre,
R-5 Shed,
Bhabha Atomic Research Centre,
Trombay, Mumbai-400 085.
2. Application form can be submitted any time. Usually, applications are reviewed twice a year.
3. Item No. 5 (Description of the proposal) should be typed on separate sheets (about 3 pages) and enclosed with the form. It could be written with the following points spelt out in detail:
 - a. Brief description of the scientific/technological interest in the research proposal with adequate references to earlier work in literature, if any.
 - b. If the proposal is specific to neutron scattering, then give a brief justification for the use of neutron as probe.
 - c. If the PI has carried out any project earlier at BARC using neutrons, give a brief summary of the same along with the names of the participating scientists and list of publications, if any.
 - d. Give brief information about the facilities available to PI in his institute towards data analysis, and the experimental probes relevant to the research proposal.
 - e. Specify if the CRS involves use of sample preparation and characterization facilities at SSPD, BARC or UGC-DAE Consortium.
4. The CRS may allow a Project Assistant/Project Fellow/Project Associate. The rates of fellowship range from Rs.5,000/- to Rs. 9,000/- p.m. depending on the candidate's qualification as per rules of UGC-DAE CSR.
5. PI or the Project Assistant/Fellow/Associate may be paid TA/DA as per rules (limited to a maximum of AC-2 Tier by train) whenever they come to Mumbai for experiments or any other meeting related to CRS.
6. Please visit our web site (<http://www.csr.ernet.in/mumbai/mumbaic.html>) for additional information.