

भारत सरकार Government of India
परमाणु ऊर्जा विभाग Department of Atomic Energy
आर एंड डी-III अनुभाग R&D-III Section

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Office Memorandum

Subject : Establishment of DAE – Raja Ramanna Chair (RRC) Scheme and
DAE – Homi Sethna Chair (HSC) Scheme - reg.

The Department of Atomic Energy has instituted two schemes named as DAE – Raja Ramanna Chair (RRC) Scheme and DAE – Homi Sethna Chair (HSC) Scheme with a view to utilize the services of active retired scientists, engineers and technologists, who have been involved in high quality research. The salient features of these schemes are attached as Annexure A & B.

2. This has the approval of the Atomic Energy Commission.

Enclosure: as above.


(K. R. Sethuraman)
Director (R&D)

To :

All Heads of Units / Aided Institutions of DAE/ DAE Webiste.

DAE – Raja Ramanna Chair(RRC) Scheme

Department of Atomic Energy has instituted a national level scheme known as “**DAE-Raja Ramanna Chair**” (DAE-RRC) which is intended to utilize the services of active retired scientists, engineers and technologists, who have been involved in high quality research in their specialized disciplines in the units of the DAE or any National Laboratory or University or Institute and who after retirement are keen to carry out R&D and studies on the topics as identified by DAE.

The salient features of the Scheme are:

- **Objectives:** To gainfully utilize the services of active retired scientists, engineers and technologists who have worked in the areas of critical and sensitive technologies and who can constructively contribute in a regular manner to the research projects of DAE as per the topics identified by the department. (see Annexure-I)
- **Host Institute:** The Host Institute of the RRC may be a unit of DAE (including aided institutions) or a University / Institute or a National Laboratory governed by State/Central Government of India or DIAS (DAE-Institute of Advanced Studies).
- **Eligibility:** Scientists, engineers & technologists retired from units of DAE including Aided Institutions are eligible. Scientists, engineers & technologists of high caliber retired from non-DAE institutions can also be considered, provided their area of research is related to one of the topics listed in the Annexure-I.
- **Nominations:** The Head of the Host Institute interested in hosting the retired scientist/engineers may send nomination to DAE.

The nomination shall include the following information:

1. Host Institute
2. Full Office address
3. Name of Candidate
4. Designation (at the time of retirement)
5. Date of retirement
6. Date of birth
7. Personal Contact details (Landline, Mobile, Email Id, Address)
8. Institute/Organization from where retired
9. Topic on which the candidate wishes to work (refer Annexure-I)
10. Title of the project/work

11. Highest degree
 12. Field of specialization
 13. Professional experience during the last 10 years of service
 14. List of honours and awards with dates (including fellowships of the academies)
 15. List of 10 most important publications
 16. Write up on the project work / programme (detailed description on the work to be undertaken) to be provided along with work plan and deliverables.
 17. Facilities proposed to be sought from the host institute (research, office space, any other), if selected.
 18. Recommendation of the Head of the Host Institute with justification of the candidate's suitability on the topic selected (not more than 250 words).
- **Tenure:** The tenure of the awardees would initially be for a period of three years, extendable for a period of two years subject to maximum age limit of 70 years and awardees' performance as assessed by the Review Committee.
 - **Honorarium:** The RRC will be paid an Honorarium of Rs.1,00,000/- per month subject to condition that Honorarium + pension does not exceed the last pay drawn by the awardee at the time of retirement.
 - **Research Support Grant:** The RRC awardees will be entitled for Research Support Grant of Rs. 1.5 lakhs per annum which could be utilized for commuting to host institute from local residence and domestic travel for attending official meetings and conferences etc. In addition, the grant for one Research staff [JRF or SRF or RA] will be reimbursed at actuals.
 - **Leave Rules:** The RRC is a regular position. However, the RRCs would be entitled to 30 days leave in a year with honorarium whether in India or abroad. In case going abroad, prior permission would be needed.
 - **Report Submission:** The RRC will submit an annual progress report to Chairman, AEC on the assigned work at the end of each year along with a statement of Expenditure/Utilization Certificate for renewal and release of grant for the next year. The RRC will be required to submit a consolidated technical report for the entire duration of the RRC at the end of the tenure.

➤ **Power Sector:**

- Economics of nuclear power and strategy for reduction of cost of NPPs.
- Accelerating the nuclear power program
- SMR development and deployment.
- Gen IV reactor development for electricity production and hydrogen generation
- Education and training in nuclear safeguards and nuclear law
- Role of nuclear energy in achieving net zero target.
- Strategic planning for fuel management and utilization, (both safeguarded and unsafeguarded), fuel cycle, reprocessing and waste management
- Accelerator development and deployment.
- Nuclear Fusion
- Decommissioning of NPPs

➤ **Non-Power Sector:**

- Radioisotope production and supply for healthcare, industry, agriculture, food preservation, sludge hygenisation, etc.
- Urban Waste Management
- Plastic Waste Management
- Critical minerals and materials
- Technology Innovation for special fuel development
- Research and policy for nuclear batteries
- Quantum computing, cyber security, etc.

➤ **Basic Research & Development**