

डॉ आर. बी. ग्रोवर
प्रतिष्ठित वैज्ञानिक व
निदेशक, कार्यनीति आयोगना वर्ग

Dr R. B. Grover
Distinguished Scientist &
Director, Strategic Planning Group



भारत सरकार
परमाणु ऊर्जा विभाग
अणुशक्तिभवन, छत्रपति शि. म. मार्ग,
मुंबई-400 001, भारत

Government of India
Department of Atomic Energy
Anushakti Bhavan, C.S.M. Marg,
Mumbai-400 001, INDIA

DAE/DSPG/2009/39

March 9, 2009

Aided Institutions and R&D Centres of the DAE carry out frontline research on topics related to its mandate and the young scholars working for Ph.D. in the units of the DAE provide a very good support to the research programmes. However, young students studying in various universities and institutes of the country are, in many cases, not aware of the immense possibilities for research that exist in the DAE. If we can make young students aware of research opportunities that exist in the DAE, we can enhance the quality as well as well number of students who feel attracted to pursue research in the DAE. There was a discussion on this topic during the meeting of the Advisory Committee of HBNI held on January 7, 2009 at BARC and modalities to provide visibility to possible topics of research so as to attract students were discussed.

During the meeting, it was opined that the progress in various subjects is discussed by experts at several fora including conferences and symposia. It would be desirable if all available fora, viz. specialists groups for plan projects, professional societies embedded in our units, discussions during conferences and seminars could be utilized to identify gap areas in our knowledge base on subject areas related to the mandate of DAE and break down the gap areas into topics for PhD-level research. A brief synopsis of all such topics can be made available to the faculty of HBNI. The faculty may choose topics of interest to them and allocate the topics to PhD students.

To move further on this topic, it was decided that a panel be created under the Chairmanship of Dr. Baldev Raj to work out a mechanism by which the problem of identifying gap areas could be undertaken. Considering the subject areas of interest to the programmes of DAE, it is proposed that the job may be done by the following panel:

1. Dr. Baldev Raj, Director, IGCAR - Chairman
2. Shri B.B. Biswas, Head, RCnD, BARC
3. Dr. R K Bhandari, Associate Director, VECC
4. Shri S.C. Chetal, Director, REG, IGCAR
5. Dr. L.M. Gantayat, Associate Director, BTD, BARC
6. Dr. P K Gupta, Head, LBA&ID, RRCAT
7. Shri H.S. Kushwaha, Director, HS&EG, BARC
8. Shri C K Pithwa, Incharge, Indus Accelerator Complex, RRCAT
9. Shri Kanwar Raj, Head, WMD, BARC
10. Dr. Vasudev Rao, Director, Chem. Group, IGCAR.
11. Prof. Abhijit Sen, Dean(Academic), IPR
12. Shri R.K. Sinha, Director, RDDG, BARC

The panel may decide its modalities of working and keep identifying gap areas on a continuous basis. Modalities could include interaction with the scientific staff working on various projects at the R&D centers, interaction with faculty from various CIs, discussion with the Board of Studies of HBNI, interactions with professional societies and eminent faculty from institutions and universities in the country. The Panel will also identify faculty interested in supervising the work on the chosen topics.

Such gap areas, along with synopsis and likely thesis supervisors, will be posted on the website of HBNI to attract students to apply for Ph.D. programmes of HBNI and subsequent to selection, they will be encouraged to select topics from such identified areas. Faculty will, of course, have the freedom to choose topics for Ph.D. level research, from outside the list of identified areas.

This is being issued with the approval of the Chairman, Atomic energy Commission.


(R B Grover) 9/3/09

Directors of all Constituent Institutions of HBNI and Director TIFR

Chairman and members of the Panel