

## Steering Committee for the Eleventh Five Year Plan (2007-2012)

### Science and Technology

**Dated 21st February 2006**

In the context of the formulation of the Eleventh Five Year Plan (2007-2012) for the Science and Technology Sector, it has been decided to constitute a Steering Committee on Science and Technology under the Chairmanship of Dr. R. Chidambaram, Principal Scientific Adviser (PSA) to the Government of India. The composition and the terms of reference of the Steering Committee would be as follows:

#### I. Composition

1	Dr. R. Chidambaram, Principal Scientific Adviser to GOI	Chairman
2	Prof. V.L. Chopra, Member, Planning Commission	Co-Chairman
3	Dr. Anil Kakodkar, Secretary, Department of Atomic Energy	Member
4	Dr. G. Madhavan Nair, Secretary, Department of Space	Member
5	Dr. V.S. Ramamurthy, Secretary, D/O Science and Technology	Member
6	Dr. R.A. Mashelkar, Secretary, D/O Scientific and Industrial Research	Member
7	Dr. M.K. Bhan, Secretary, Department of Biotechnology	Member
8	Dr. P.S. Goel, Secretary, Department of Ocean Development	Member
9	Shri M. Natarajan, Secretary, DRDO & Scientific Adviser to RM	Member
10	Dr. N.K. Ganguly, Director General, ICMR	Member
11	Dr. Mangala Rai, Director General, ICAR	Member
12	President, Indian National Science Academy	Member
13	President, National Academy of Sciences	Member
14	President, Indian Academy of Sciences	Member
15	President, Indian National Academy of Engineering	Member
16	Prof. P. Balram, Director, Indian Institute of Science, Bangalore	Member
17	Chairman, University Grants Commission	Member
18	Prof. Deepak Pental, Vice Chancellor, University of Delhi	Member
19	Prof. M.S. Ananth, Director, Indian Institute of Technology, Chennai	Member
20	Prof. P. Venkatarangan, Vice Chancellor, Amrita Vidyapeeth, Coimbatore	Member
21	Dr. A.E. Muthunayagam, Executive Vice President, Kerala State S&T Council	Member
22	Dr. V. Sumantran, Ex-Executive Director, Tata Motors Limited	Member
23	Dr. Kiran Majumdar Shaw, CMD, Biocon Ltd.	Member
24	Prof. (Ms) Rohini Madhusudan Godbole, Centre for Theoretical Studies, IISc, Bangalore	Member
25	Prof. M.V.S Valiathan, National Professor, Manipal Academy of Higher Education, Manipal	Member

26	Dr. M.S. Bamji, Emeritus Scientist, Dangori Charitable Trust, Hyderabad	Member
27	Dr. Sudha Nair, Director, MS Swaminathan Foundation, Chennai	Member
28	President, CII	Member
29	Prof. Anand Patwardhan, Executive Director, TIFAC	Member
30	Dr. S.K. Sikka, Scientific Secretary to PSA to GOI	Member Secretary
31	Dr. S. Chatterjee, Senior Scientist, Office of PSA to GOI	Convener

## II Terms of Reference

1. To evolve a vision and develop an approach for Science and Technology for the Eleventh Five year Plan in the light of global developments and our country's needs.
2. To make an analytical assessment (SWOT) of the performance of schemes/programmes pursued by Central S&T Departments.
3. To identify thrust areas for the Eleventh Five Year Plan and suggest their *inter-se* priorities.
4. To suggest ways by which inter-agency and inter-institutional collaborations are leveraged for higher efficiencies and better outcomes.
5. To suggest means of catalyzing Industry-Academia collaborations for development, application and flow of technologies from lab to the market place and for the industry to invest more in strengthening national level S&T infrastructure.
6. To recommend strategies for developing high quality S&T human resource including attracting the bright to a rewarding career in science.
7. To suggest strategies for expanding and strengthening societal applications of technologies for improving the quality of life of the Indian population.
8. To suggest measures for kindling innovative spirit so that scientists translate R&D leads into scalable technologies which yield wealth generating products and processes.
9. To identify areas of international S&T cooperation/collaboration and setting up of world class R&D facilities in the country with participation from other countries.
10. To suggest parameters for scientific audit and performance measurement of scientists and scientific institutions to inject efficiencies and maximize impacts.
11. To suggest plans and programmes for the various Central S&T Departments based on the policy, vision, approach, thrust and priorities of the S&T Sector. These should take into consideration the concept of Zero-based budgeting, convergence of ongoing schemes, weeding out of the schemes which are no-longer relevant and completion of ongoing schemes on a priority basis. To suggest an optimum outlay for the S&T sector,

comprising of the on-going commitment and new programmes proposed to be undertaken.

III. The Chairman may constitute Working Groups/Sub-groups as considered necessary and co-opt members for specific inputs.

IV. The expenditure on TA/DA in connection with the meetings of the Steering Committee in respect of the official members will be borne by their respective Ministry/Department. However, in the case of non-official members, they will be entitled for TA/DA as admissible to Grade-I Officials of the Government of India and the expenditure in this regard would be met by the Planning Commission.

V. The Secretariat support for the Steering Committee meetings would be provided by the Office of the PSA/Technology Information, Forecasting and Assessment Council (TIFAC).

VI. The Steering Committee would submit its report before 31<sup>st</sup> August, 2006