

Analysis of Outcome of Extramural R&D Projects Sanctioned During 2011-2015

BACKGROUND

The science and technology play an important role in the economic, social and physical development of the country. The growth of S&T, its performance and impact on society and economy are indicators to assess the effectiveness of planning and policy formulation. India has done remarkable progress in developing R&D infrastructure and manpower and today we have largest S&T based manpower in the world. Number of agencies and organisations are involved directly by conducting R&D work and indirectly through funding to extramural R&D project.

During the year 2011-2013 total amount of Rs. 6634.75 crores was spent on 16965 projects sanctioned by central government departments/agencies. This enormous amount of work done by the scientists and their application is confined either upto that institute or to the funding agency.

The Society for Environment & Development (SED), a S&T based voluntary organisation has already completed three studies to analyse outcome of extra-mural R&D projects undertaken during the year 1995-2000, 2000-2005 and 2005-2010. The report covered number of parameters for analysis of outcome. This year DST again given this task to SED to analyse outcome of extra-mural R&D projects sanctioned by central government funding agencies/departments during year 2011-2015 with the following objectives to achieve -

- i) Collection of information on outcome of the extramural R&D projects from P.I.'s for the period 2011-2015.
- ii) Compilation of information/achievements in data-base and their analysis/assessment.
- iii) Publication of findings for wider use among policy & decision makers.

TARGET GROUP

The target group for the project is Principal Investigators who have undertaken extramural R&D projects from various central government departments/ agencies during 2011-2015.

SAMPLING SIZE

All the Principal Investigators undertaken projects are being covered under the project. Total No. of R&D Projects during 2011-2015 is listed below:

<u>Year</u>	<u>No. of Project</u>
2010-11	5855
2011-12	5656
2012-13	5444
2013-14	5525
2014-15	5420
<u>Total</u>	<u>27900</u>

METHOD OF DATA COLLECTION

The data are being collected from all P.I.'s by sending request letter by post along with the questionnaire. At least 2 reminders shall be sent to those persons not responding in prescribed time limits. Efforts will also be made to find out latest address of P.I.'s in cases where he/she left the organization. This tracing exercise shall be carried out either through telephone or writing to head of the Institutions where research was conducted. Every effort will be made to get the information from all the P.I's.

Questionnaire is also made available on the web-site of the Society for Environment & Development (SED), Delhi enabling PIs to utilize this facility and send duly filled questionnaire through email.

Structuring of questionnaire: Questionnaires was designed keeping in view of objectives and focus of the project. It contains direct questions seeking information on the project carried out like title, period, major achievements in the form of prototype, research papers, Ph. D's, patents etc. The questionnaire was finalized in consultation with the scientists from NSTMIS.