

AN OVERVIEW RESEARCH IN ENVIRONMENT



**Ministry of Environment, Forest and Climate Change
Government of India**



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**TEAM
MEMBERS**

Research in Environment (RE) Scheme

- ❑ Launched in 1985,
- ❑ Funding research through grant-in-aid projects to research institutions for environment protection and management.

OBJECTIVES

- To promote basic and applied research in ecology and environment for the conservation of environment and natural resources of the country
- To plan, support and coordinate environmental research for enhancing the understanding of environment and ecology and devising strategies, solutions for environmental protection

MODE OF IMPLEMENTATION OF THE SCHEME

- Grant-in-aid support for undertaking research under the following two distinct components:
 - A. Research programmes
 - B. Fellowship programmes, Chairs and National Fellowship Awards

RESEARCH PROGRAMMES

- ❑ Environmental Research Programme (**EnvRP**) - “brown issues”
- ❑ Ecosystems Research Programme (**EcRP**) - “green issues”
- ❑ Research Programme in Socio-Economic issues of Environment (**RPSE**)
- All India Coordinated Programmes in identified research priority areas

Under above-mentioned Research programmes, grant-in-aid support is being provided to sanctioned Research Projects after due appraisal.

TYPES OF RESEARCH PROPOSALS

- ❖ **Invited Proposals**
- ❖ **Commissioned proposals**

The Ministry may also support new, creative, innovative and original proposals from researchers in areas which may be outside the identified thrust areas that have direct bearing on the environment and ecology. The grants to such proposals would not exceed 10 % of the total allocation of the R&D scheme.

THRUST AREAS OF RESEARCH IN ENVIRONMENT

1. Development of interventions for pollution, prevention and control
2. Development of technologies for prevention and control of pollution including waste recycling, management of hazardous substances, eco-friendly alternatives etc.
3. Clean technologies: greening of products and processes
4. Restoration of degraded ecosystems, bioremediation of contaminated sites and water
5. Conservation and enhancement of biological diversity including rare, endangered, threatened, endemic, economically and ecologically important taxa.
6. Conservation and management of eco-systems.

Contd..

7. Application of remote sensing and GIS for accurate inventory of natural resources and environmental planning.
8. Climate change
9. Environmental health and toxicology
10. Research on land-use, land-cover and forest-cover changes
11. Impact of development activities on environment & ecology
12. Conservation of forests and their resources
13. Socio-economic issues.

ELIGIBILITY

Scientists and Technologists who are working in the academic institutions, Universities, National Institutes, recognized R&D institutions, reputed non-governmental organizations and voluntary bodies

(both NGOs and voluntary bodies have to be registered as a research institution with the Department of Scientific and Industrial Research, Government of India).

PROCEDURE FOR APPRAISAL AND SANCTION OF RESEARCH PROPOSALS

Online open advertisement

- inviting research proposals in identified thrust areas
- preliminary scrutiny of research proposals in RE Division.

Two Tier Appraisal Process

- Programme Advisory Committee
- Independent Peer Review by atleast 3 empanelled experts.

Apex Committee for Research in Environment

- Final Sanction and approval.

PROGRAMME ADVISORY COMMITTEE (PAC)

Each Research Programme would have a PAC having expert members for guiding the Research Programme and recommending the Research Projects for consideration of Apex Committee

APEX COMMITTEE ON RESEARCH IN ENVIRONMENT

The Apex Committee will have the following members:

- 1) Secretary (EF&CC), Chairman
- 2) Concerned Additional Secretary dealing with RE Division - ex officio member
- 3) Additional Secretary & Financial Advisor - ex officio member
- 4) Chairman, National Biodiversity Authority - ex officio member
- 5) Chairman, Central Pollution Control Board - ex officio member
- 6-11) Six eminent subject experts - members
- 12) Advisor (RE) – Member Secretary

Joint Secretaries/Advisors/IGFs of Relevant Divisions/Chairmen of the Programme Advisory Committees – Special Invitees

The Apex Committee would be the final sanctioning and approving authority for research projects

PROCEDURE FOR MONITORING AND REVIEW OF SANCTIONED PROJECTS

- ❖ Review of physical and financial progress of sanctioned projects by the Programme Advisory Committee at least once in a particular financial year.
- ❖ Empanelled expert peer review.

Acceptance of the Final Technical Report (FTR) for Research Projects

- Principal Investigator will circulate the draft FTR to the Programme Advisory Committee and to the empanelled peer reviewers.
- Make a presentation before the Programme Advisory Committee.
- on acceptance of the FTR, by PAC the balance funds are released.

Physical Targets and Outcomes (2012-13 to 2015-16)

Year	Physical Targets	Outputs
2012-13	<p>Initiation of new projects – 25</p> <p>Servicing of Ongoing/completed projects- about 100</p> <p>Review of Ongoing/completed projects – about 100</p> <p>Preparation of Executive Summaries of completed projects -25</p> <p>Conducting of Programme Advisory Committees Meeting – 9</p> <p>Initiation of Online tracking and Monitoring system for new research projects</p> <p>Initiation of All India Coordinated Programme on Sacred Grove Eco-System Service Assessment</p>	<p>03</p> <p>100</p> <p>100</p> <p>25</p> <p>9</p> <p>Initiated</p> <p>Initiated</p>
2013-14	<p>Initiation of new projects- 20</p> <p>Servicing of ongoing/completed projects –145</p> <p>Review of On- going/completed projects – 145</p> <p>Preparation of Executive Summaries of completed projects -20</p>	<p>19</p> <p>135</p> <p>135</p> <p>20</p>
2014-15	<p>Initiation of new projects- 25</p> <p>Servicing of ongoing/completed projects –145</p> <p>Review of On- going/completed projects – 145</p> <p>Preparation of Executive Summaries of completed projects -20</p>	<p>20</p> <p>135</p> <p>125</p> <p>20</p>
2015-16	<p>Initiation of new projects- 20</p> <p>Servicing of ongoing/completed projects –145</p> <p>Review of On- going/completed projects – 145</p> <p>Preparation of Executive summaries of completed projects -20</p>	<p>20</p> <p>145</p> <p>145</p> <p>20</p>

R&D Scheme – Plan Outlay and Utilization

Outlay for 12th Five Year Plan :Rs.90.50 Crores

(Rs. in crore)

2012-13		2013-14		2014-15		2015-16		2016-17
Outlay	Actual	Outlay	Actual	Outlay	Actual	Outlay	Actual	Outlay
*6.50	4.21	6.50	4.17	8.25	8.17	5.60	5.05	7.00 *

*Expenditure upto

30.06.2016

is Rs.3.38 crore



Thank You !!!