

AGRICULTURE DIVISION

TOPIC: IMPACT OF AUTO STOCKING AND ^{Annexure D} EXTERNAL STOCKING IN MAJOR RESERVOIRS OF INDIA.

1. INTRODUCTION-RESEARCH AND STUDY SCHEME

1. Main Activities supported

India is the second largest in Aquaculture production in the World. Fish production has increased from 41.57 Lakh tonnes (24.47 lakh tonnes for marine and 17.10 Lakh tonnes for inland fisheries) in 1991-92 to 82.90 Lakh tonnes (32.20 Lakh tonnes for marine and 50.70 Lakh tonnes for inland fisheries) in 2010-11.

The physical resource base under the Fisheries Sector encompasses rivers, lakes, reservoirs, ponds, wetlands and other allied versatile water bodies. The biological manipulation of candidate species on harnessing physical resource supports the production process, which ranges from extensive to intensive methods of capture and culture fisheries.

In India, approximately more than 1 million population is directly or indirectly associated with the capture and culture fisheries production systems and classified as fishermen / fisherwomen communities (by caste and creed) besides fish farmers, who are practicing inland fish culture practices by tradition / inheritance.

During the later period of 9th Five Year Plan, the fisheries sector has drawn considerable attention to achieve nutritional security in terms of supplying cheap and easily digestible animal protein to the growing population. In the backdrop of this concept the esteemed Institution, the National Fisheries Development Board was formed as an autonomous body under the DAH, D&F, MoA. The NFDB had implemented series of fisheries developmental activities with the participation of Coastal and Inland States including UTs.

2. The Objective of the Study

The objective of proposed studies is aiming towards to assess and evaluate the ground situations to adopt / upscale the future course of action / activities, enrichment of fisheries enhancement approaches. The studies will assist in finding the gaps and to offer need based efforts to mitigate the shortcomings. The drive related to the studies will be targeted towards :

- Assessment of present situations and evaluation of past activities.
- Addressing the unattended areas.
- Development of a cohesive model and approach towards convergence.
- To improve the delivery mechanisms
- Adoption of comprehensive management practices
- Sustainable growth approaches and designing of bio-economic model.
- Gender neutrality approaches.
- Technology adoption and to explore the possibility of creation for Fisheries Estate.
- Modalities for better operational & financial management involving Central and State Agencies.

II. GENERAL CONDITIONS AS APPLICABLE FOR ENTIRE STUDIES

3. Main components under the proposed studies

Research Studies :

- Participation of women communities in Fisheries Sector with the special reference to Coastal States and opportunities for income securities.
- Impact of auto stocking and external stocking in major reservoirs of India.
- Evaluation Studies of National Fisheries Development Board (NFDB), Hyderabad.

4. Eligibility of Institutions to carry out Research Studies

The expression of interests to carry out proposed Research Studies will be based on previous record / ability of the Institution. The competency of agencies will be adequately appraised prior to offer the decision for specific study as envisaged under the Fisheries Sector, Agriculture Division. The framework of Research Studies will be designed by the Division; in case of need based requirements other allied agencies may be consulted. The Research Project will invariably adhere the guidelines of the Research Division, Planning Commission as issued during October, 2013.

III. SUPPORT TO RESEARCH STUDY PROPOSALS

5. Procedures for inviting / dealing with disposing of Research Study Proposals under the Scheme

The subject matter division will offer its recommendations in order to take up the studies on selection of Institutions of Repute with appropriate terms and conditions on consideration of studies of special importance, eligibility analysis, procedures as regarded procurement of services and quality parameters. The Research Evaluation Committee will devise its own procedures while selecting the proposed study projects. However, the scope of proposed studies has special importance and priority status in the backdrop of Fisheries Institutional support, promotion of Capture cum Culture Based Fisheries and status of General Neutrality in Fisheries Sector.

6. Amount of Financial Support and Time Limit for proposed Research Studies

The Field Level Proposed Research Studies may involve the financial requirement to the tune of Rs. 20 Lakh / each Project, since Research Studies requiring Detailed Field Survey and Sample Collection activities. The Research Study related to the Institutional Evaluation may involve Rs. 10 Lakh. In all the cases, appropriate time line will be spelt out and the maximum period of extension may be granted for six months.

7. Assessment and Review of Progress of Studies

The details of questionnaires, progress reports will be reviewed quarterly by the subject matter division in pursuance of framework / designs for the proposed Research Projects, as envisaged. The copyright of the Published Project Report of Research Studies shall vest with the Planning Commission. The SMD, Planning Commission may share the report with the respective Ministry / Deptt. to offer the competency / value to future propositions.

8. Research Study Proposal Format.

(i)	Literature Review on the Subject of the Study with Bibliography	(ix)	Tabulation arrangements
(ii)	Relevance and Need of the Study	(x)	Case Studies
(iii)	Objectives	(xi)	Synopsis
(iv)	Hypotheses to be tested	(xii)	Staffing pattern
(v)	Type and Methodology	(xiii)	Budget
(vi)	Reference period / Base year of the proposed study	(xiv)	Time Frame/Project Duration
(vii)	Statistical Design and Tools	(xv)	Bio-Data of the Project Director
(viii)	Major variable for data collection	(xvi)	Brief of the Institution

9. Format for submission of Research Study Proposal

1	Name of the Proposal / Project
2	Study Team Composition
3	Terms and Conditions of Employment/Association
4	Other activities or personal time granted/proposed to be granted by the Institution
5	Name of the Institution
6	Total Budget of the Study Proposed
7	Duration of the Study Proposed