

No.30-2(1)/2008-FY(S)

Government of India,  
Ministry of Agriculture,

Department of Animal Husbandry, Dairying & Fisheries

Krishi Bhawan, New Delhi

Dated: 26th /05/2015.

26th



OFFICE MEMORANDUM

Subject: Administrative Approval for implementation of the Central Sector Scheme on Strengthening of Database and Geographical Information System (GIS) of the Fisheries Sector during 2015-16.

The undersigned is directed to refer to this Department's OM No.30-2(1)/2010-FY(S) dated 12/07/2013 regarding implementation of Central Sector Scheme on "Strengthening of Database and Geographical Information System for Fisheries Sector" during 12<sup>th</sup> Five Year Plan with a total budget outlay of `65.00 Crores (Rupees Sixty Five Crores only) and to convey approval of the competent Authority to implement the scheme during the financial year 2015-16, with a budget outlay of `495.00 lakhs (Rupees Four crores ninety five lakh only) with the following components:

- i) Sample Survey for Estimation of Inland Fishery resources and their Potential.
- ii) Census on Marine Fisheries.
- iii) Catch Assessment Survey for Inland and Marine Fisheries.
- iv) Development of Geographical Information System (GIS).
- v) Development of database of fishery cooperatives of India.
- vi) Mapping of smaller water bodies and development of GIS based fishery management system.
- vii) Strengthening of Statistical Unit at Headquarters.
- viii) Evaluation Studies/Professional Services.
- ix) Monitoring Control and Surveillance (MCS).

i). **Sample survey for estimation of inland fishery resources and their potential and fish production:** Sample survey to prepare benchmark estimates of inland fish production along with potential of inland fish production and productivity is being conducted during the 12<sup>th</sup> Five Year Plan with suitable sampling design. It is proposed to conduct a pilot study for estimation of inland fishery resources and their potentiality in fish production in 20 districts of five States namely Bihar, Gujarat, Sikkim, Tamil Nadu and Uttar Pradesh during 2015-16.

ii). **Census on Marine Fisheries:** CMFRI conducted the survey for marine census survey in 2010- 11 for mainland's Coastal States; and Fishery Survey of India (FSI) conducted it for the Islands of Andaman & Nicobar Islands and Lakshadweep. The initial work of Marine Census 2015 has to be started by holding pre-census workshops, surveys, printing of methodology & format of schedule in different regional languages and finalization of frame validation and trainings to enumerators by CMFRI and FSI.

iii). **Catch Assessment Surveys for Inland & Marine Fisheries:** Component on Catch Assessment survey of Inland and Marine Fisheries under implementation in 11<sup>th</sup> Plan. During 12<sup>th</sup> Five Year Plan 2012-17, all States are to be covered by extending the coverage to more districts in existing States where the scheme was implemented during Eleventh Plan for assessment of resources and catch under ponds, tanks and reservoirs. Data collected through such surveys, adopting methodology developed by CIFRI and CMFRI for Inland and Marine Fisheries respectively will be implemented by respective States Governments/UT's by engaging the part time contractual enumerators. Payments to part time contractual enumerator would be done @ Rs. 8500/- p.m including T.A. This component would be implemented by All States/UT's and the payments will be restricted to only those States who follow the CIFRI /CMFRI methodology for Inland and Marine fisheries. Assistance will also be provided as 100% grants-in-aid to State Governments/UT's Administration for creation/continuation of posts as shown in Annexure IX of Administrative Approval of the scheme for 12<sup>th</sup> Five Year Plan notified on 12/07/2013.

iv). **Development of Geographical Information System:** Development of GIS is one component of Central Sector Scheme on "Strengthening of Database and Geographical Information System (GIS) for fisheries Sector". During 11<sup>th</sup> Plan water bodies of area 0.5 hectare were located and mapped by using satellite images of LISS-III and LISS-IV in some of the States through CIFRI. During 12<sup>th</sup> Five Year Plan, LISS-IV images will be used for remaining States with coverage of water body, which are greater than 0.5 hectare to be taken in to account, with ground truthing of large water bodies and its attribute collection.

v). **Development of database of Fisheries cooperative of India:** It is necessary to study socio-economic status of fishers especially income literacy, technical knowledge etc FISHCOPFED is conducting survey work and recording the facilities available with primary level cooperative societies in States and UTs of India. FISHCOPFED has already undertaken the work and it is likely to be completed this year.

vi). **Mapping of smaller water bodies and development of GIS based fishery management system:** This component has been implemented in the State of West Bengal on a pilot basis and relating to mapping of all water bodies for an area measuring 0.08 acre corresponding to 0.032 ha and above on scale of 1: 4000 by using very high resolution Quick-bird Satellite Imageries (2.5m Multi-spectral and 0.6m Panchromatic). Project proposal also includes extensive mapping of water bodies with area of 0.2 to 0.5 ha and development of GIS based fisheries management system in the selected three States namely Chhattisgarh, Bihar and Uttar Pradesh during 12<sup>th</sup> Five Year Plan. This component would be implemented in Chhattisgarh under the guidance of Mapping Project, Government of West Bengal, and in Bihar and U. P. under the guidance of CIFRI. Funds for implementing the component would be provided to States after submission of the detailed project report by States in consultation with the guiding agencies.



2012-17

vii). **Strengthening of Statistical Unit at Headquarters:** Due to shortage of staff and infrastructure at Headquarters, it is not possible to compile statistics mainly as weekly wholesale price data and different variety of fish production data is being sent to FAO. Hence, it is proposed to engage contractual data entry operators. It also includes the expenditure for holding the annual Technical Monitoring Committee (TMC) constituted under the scheme.

viii). **Evaluation Studies Professional Services:** It is necessary to get evaluation study conducted to assess progress of the scheme or a particular component of the scheme normally at the end of the year of the Five Year Plan by engaging expert professionals' services.

ix). **Monitoring Control and Surveillance:** For sustainable harvest of the resource, scientific management of marine fisheries has been emphasized in various international forums. Monitoring, Control and Surveillance (MCS) is one of the key component of fisheries management. The item wise component for which the assistance provided is at Annexure-VII of Administrative Approval of the scheme for 12<sup>th</sup> Five Year Plan notified on 12/07/2013.

**PATTERN OF ASSISTANCE:** Pattern of Assistance for the scheme will be 100% grant-in-aid provided by Department of Animal Husbandry, Dairying and Fisheries. Assistance will also be provided as 100% grants-in-aid to State Governments/UT Administration for creation/continuation of posts.

This issues with the approval of competent authority and concurrence of IFD vide their diary No.169/AS & FA dated 20/05/2015.

  
(Yoginder Kumar)

Under Secretary to the Government of India.

To,

1. The Principal Secretary /Commissioner of Fisheries (all States/UTs)
2. The Director/ Commissioner of Fisheries (all States/UTs),
3. Director General, ICAR, New Delhi,
4. Director, CIFRI, Barrackpore, West Bengal.
5. Director CMFRI, Cochin.
6. Director General, Fishery Survey of India, Mumbai.
7. Deputy Director General, NIC, New Delhi.
8. The Managing Director, FISHCOPFED.
9. The Pay & Accounts Officer, Department of Agriculture & Cooperation, 16-A, Akbar Road, Hutments, New Delhi.
10. Ministry of Finance (Department of Expenditure), Plan Finance Division, New Delhi.
11. The Planning commission Yojana Bhawan New Delhi.

