Fig 1 (above): e-Laabh – online monitoring system

Fig 2 (right side): tMatsya – Mobile app for capturing grounding status

Sustainability & Scalability of FFBMS

- Training is imparted to all department personnel to ensure continuity — **People**
- Modules have been designed for multiple components under various schemes — **Software Modules**
- Separate fund has been allocated for e-Governance under Normal State Plan — **Funds**
- IT Infrastructure is established in all districts
- NIC provides data server with no additional cost — **System**

Major challenges, Measures taken & Output

S.No	Challenge	Measures Taken	Output
1	Exposure to IT system	• Regular training to the department personnel	All the districts have adapted to using IT systems
2	Adherence to guidelines during implementation	• Incorporated guidelines as part of the process flow. • All necessary modules are put in place and calculations are made easy.	Process deviations are reduced to a large extent
3	Shift from manual to computer-based processing of applications	• Auto generation of verification checklists, sanction orders, etc.	Reduction in time on routine desk work

Key Results / Outcomes

- Inconsistencies in records maintained at all levels were effectively addressed by establishing standard online database.
- Authentic database got generated:

• No. of Water bodies : 27,697	• No. of Societies: 4254
• No. of infrastructure assets : 448	• No. of beneficiaries details: 1,09,021
• Online applications received : 28%	• Seed Stocking data for ~11,500 water bodies for 2 years
• No. of direct beneficiaries of Fish Seed Stocking program : 3,03,820	• No. of direct beneficiaries (including groups, societies, DFCS) of IFDS: 1,67,543

- Real time monitoring through MIS reports has been well established.
- Made policy decisions through the data analysis under IFD Scheme and Fish Seed stocking programme.
- Digital empowerment of members of the societies by providing access to online applications and verify the status of their applications from MeeSeva centers or Internet centers.

Achievement

In the recently concluded CSI Nihilent e-Governance awards 2018, Fisheries Benefit Management System developed by the Telangana Fisheries Department & TSFCOF in collaboration with NIC has won the "Award of Appreciation" in the 'Projects – State' category.

Way Forward

With the successful utilisation of e-Laabh in implementation of IFDS, Telangana fisheries department is equipped to handle online monitoring system for improving administrative efficiency and there are plans to extend IT services to monitor the implementation of other schemes in the department.

The introduction of e-Laabh Fisheries Benefit Management System has increased the efficiency, transparency and accountability in implementation of Department schemes.

Govt. of Telangana
Department of Fisheries

Sri. K. Chandrashekhar Rao
Hon'ble Chief Minister, Telangana

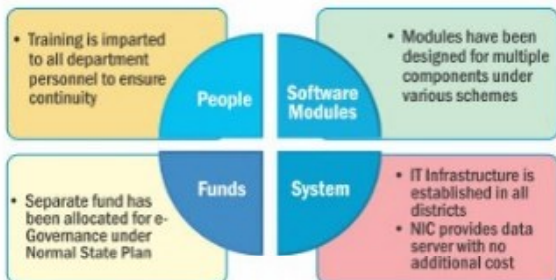# e-GOVERNANCE INITIATIVE IN TELANGANA FISHERIES DEPARTMENT

Case Study

**Telangana State Fishermen Cooperative Societies Federation Ltd.
Hyderabad**

Background

Prior to the formation of Telangana state, Fisheries was one of the most neglected sectors in united Andhra Pradesh with inadequate budgetary support for the implementation of the schemes, insufficient manpower, poor infrastructure, etc. With the formation of new state of Telangana, the Fisheries sector has been given priority and several schemes like Development of Fisheries scheme under Normal State Plan, centrally sponsored Blue Revolution scheme and special assistance scheme – Integrated Fisheries Development Scheme (IFDS) are being taken up with adequate budgetary support. For effective implementation of these schemes and programs, in addition to the financial and human resources, proper monitoring and e-governance system needed to be put in place.

At administrative level, the Fisheries Department had the following constraints in establishing effective monitoring systems:

➢ Insufficient funds for development of software for e-governance
➢ Not many staff were familiar with computer operations
➢ Inadequate IT infrastructure at state & district level

For the above reasons, there were delays in getting reports, inconsistencies in the data reported and had difficulties in consolidation of reports and submission to government and other institutions. Therefore, the need for having a comprehensive database and Management Information System (MIS) arose.

Introduction of IFDS with NCDC financial assistance

In this backdrop, Telangana Government launched Integrated Fisheries Development Scheme (IFDS) in 2017-18 with an outlay of Rs 1000 crores with the loan from National Cooperative Development Corporation (NCDC), New Delhi for the integrated development of the members of the Primary Fishermen Cooperative Societies (PFCSs), Fisherwomen co-operative Societies, Fishermen Marketing Societies and District Fishermen Co-operative Societies in all 31 districts of the State implemented through Telangana Fishermen Cooperative Societies Federation Ltd. (TSFCOF).

Broad components under IFDS

IFDS Components: Infrastructure, Marketing, Innovative Projects, Harvesting, Capacity building, Fish Production, Seed Production

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IFD Scheme has come as a boon to the Fisher community by providing multi-fold benefits to provide backward and forward linkages, which has widened the scope and opportunities for their livelihood enhancement, optimum utilisation of resources, enhancement of fish production, employment generation, etc. This has created demand for having proper database and tools for regular monitoring in order to provide timely support to the community and speedy implementation of the programme with transparency and accountability.

Strengthening of IT base for e-governance

Realizing the importance and the need for having adequate resources and proper mechanisms to facilitate better governance, adequate funds have been provided under the components of "Managerial Assistance to Federation-PMU constitution for coordination, MIS and online monitoring" & "Trainings to the stakeholders" of IFD Scheme to enable the department to build up database, IT infrastructure, human resources and software systems to effectively implement and monitor the programme.
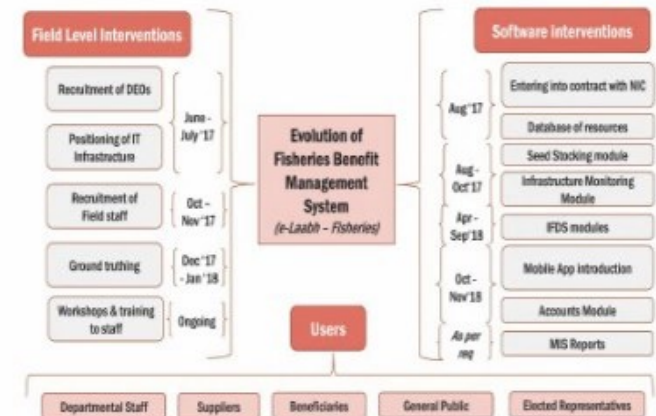
1. Infrastructure support

- At state level, all the sections were equipped with sufficient IT infrastructure like computers and printers in addition to providing laptops to senior officers for remote connectivity.
- Computers, printers cum scanners, internet connectivity and UPS were supplied to all district offices and sub-offices.

2. Human resource

- Project Monitoring Unit was set up at the head office with experts from Fisheries department, management professionals and IT experienced staff to give handholding support and monitor the programme implementation.
- Data Entry Operators were hired to enter the data and regularly update the online MIS developed for various schemes of the department.
- District Fisheries Officers and their supporting staff were imparted periodic trainings on use of software applications for programme implementation and progress monitoring.

3. Development of e-Laabh - Fisheries Benefit Management System (EFBMS)

- Fisheries department and TSFCOF utilized the services of National Informatics Center (NIC), Hyderabad to develop the software for implementation of IFD Scheme and also its extension to other schemes.
- e-Laabh Fisheries Benefit Management System is an online web portal developed to monitor the implementation of various schemes.

Evolution of Fisheries Benefit Management System (e-Laabh - Fisheries)

Field Level Interventions:
- Recruitment of DEOs — June - July '17
- Positioning of IT Infrastructure — June - July '17
- Recruitment of Field staff — Oct - Nov '17
- Ground truthing — Dec '17 - Jan '18
- Workshops & training to staff — Ongoing

Software interventions:
- Entering into contract with NIC — Aug '17
- Database of resources — Aug - Oct '17
- Seed Stocking module — Aug - Oct '17
- Infrastructure Monitoring Module — Aug - Oct '17
- IFDS modules — Apr - Sep '18
- Mobile App introduction — Oct - Nov '18
- Accounts Module — As per req
- MIS Reports — As per req

Users: Departmental Staff, Suppliers, Beneficiaries, General Public, Elected Representatives

- Grounding of all components of IFD Scheme like Fish seed stocking, Vending units, delivery of assets, construction of common assets, etc. are being monitored regularly through e-Laabh portal.
- The online monitoring system has increased the efficiency of the department personnel, enabled speedy processing and disposal of applications with transparency and accountability. Further, created access to end-users.
- Software modules developed:
  I. Database of water resources, Fishers cooperative societies, beneficiary details, infrastructure, assets and linking the same for data analysis and making policy decisions.
  II. Online registration for beneficiary with automatic SMS alert and provision to check the status of their application.
  III. Online verification of beneficiary application with checklist and generation of administrative sanction.
  IV. Details of collection of beneficiary contributions and placing of supply orders.
  V. Capturing of assets given to the beneficiaries through t-Matsya mobile app.
  VI. Accounts module to monitor fund releases and expenditure incurred.
  VII. Monitor the progress of implementation through MIS reports.