**Baseline study for Fisheries Development in Telangana state**

**ANN - 2.4**

**Field survey and primary data**

The primary data collected covers 405 villages across 81 clusters in 9 districts spread across the three strata in the state. The respondents covered are seed producers, seed rearers, aquaculturists and fishermen either as individuals or as members of FCS.

1. **Enumeration work**

The field survey work was started with a first reconnaissance visit by a three member expert team to selected districts, followed by a detailed field visit covering 8 Districts by a four member team. The survey work was carried out with a team of 9 enumerators along with 3 Team Leaders who visited the villages and the clusters in the 9 study districts. The composition of the survey team is as follows:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Stratum** | **District** | | | **Team Leaders** | **Field enumerators** |
| **Stratum - A** | A1 | Kamareddy | KMR | Mr. Sundaraiah | Mr. Shridhar |
| A2 | Karimnagar | KRN | Mr. Kranthi |
| A3 | Mancherial | MAN | Mr. Vamshi |
| **Stratum - B** | B4 | Medak | MDK | Mr. Santhosh | Mr. Udai |
| B5 | Rangareddy | RGR | Mr. Vishal & Mr. Anil |
| B6 | Wanaparthy | WPY | Mr. Anil S |
| **Stratum - C** | C7 | Bhadradri | BDR | Mr. Srinivas | Mr. Bhaskar |
| C8 | Mahabubabad | MBD | Mr. Srinivas |
| C9 | Yadadri | YDR | Mr. Pavan & Mr. Bhaskar |

The enumeration work has been completed by the team in all the 9 districts. The enumeration summary and the schedules completed by Team Leaders are as follows:

* **Enumerators Schedules**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Questionnaires** | **RAQ-1** | **RAQ-2** | **FCSQ-4** | **MLRQ-13** | **CONRQ-15** | **GPPQ-18** | **RSP -26** |
| * Kamareddy | 1 | 79 | 9 | 50 | 49 | 29 | 45 |
| * Karimnagar | 1 | 77 | 9 | 60 | 61 | 27 | 46 |
| * Mancherial | 3 | 73 | 9 | 33 | 45 | 26 | 43 |
| * Medak | 2 | 90 | 5 | 97 | 98 | 28 | 91 |
| * Rangareddy | 1 | 79 | 0 | 86 | 90 | 24 | 31 |
| * Wanaparthy | 3 | 80 | 8 | 95 | 96 | 30 | 45 |
| * Bhadradri | 4 | 72 | 8 | 70 | 91 | 33 | 36 |
| * Mahabubabad | 0 | 83 | 10 | 83 | 87 | 29 | 83 |
| * Yadadri | 0 | 75 | 8 | 85 | 101 | 31 | 72 |
|  | **15** | **708** | **66** | **659** | **718** | **257** | **492** |

In the field survey the enumerators have covered 15 reservoirs and 708 tanks under the resources. The number of FCS covered is 66. The local / rural markets covered is 659 and 718 rural consumers have been surveyed. The coverage of Gram panchayats has been 257. As many as 492 respondents have been interviewed.

* **Team leaders schedules**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Questionnaires** | **INSQ - 19** | **CONUQ-16** | **WMMQ-21** | **MRAQ-13A** | **NGOQ -22** | **MWSQ-14** |
| * Kamareddy | 0 | 25 | 4 | 22 | 0 | 0 |
| * Karimnagar | 1 | 50 | 0 | 15 | 0 | 1 |
| * Mancherial | 0 | 27 | 2 | 6 | 0 | 1 |
| * Medak | 0 | 42 | 3 | 1 | 1 | 1 |
| * Rangareddy | 0 | 23 | 0 | 0 | 0 | 0 |
| * Wanaparthy | 0 | 37 | 3 | 0 | 1 | 0 |
| * Bhadradri | 0 | 20 | 4 | 13 | 0 | 0 |
| * Mahabubabad | 0 | 53 | 2 | 1 | 0 | 0 |
| * Yadadri | 0 | 45 | 0 | 7 | 1 | 0 |
|  | **1** | **322** | **18** | **65** | **3** | **3** |

The team leaders have covered 322 urban consumers across 9 districts. Market aggregators covered by the team leaders is 65. Eighteen matsya mitra groups have also been enumerated. Their field study coverage includes wholesalers (3), NGOs (3) and one in input suppliers.

1. **Field trip and expert interphase**

The expert’s team consisted of Dr.D. Seenappa, Sri. D V. Jahagirdar, Dr.Y.Basavaraj, and Dr. D.S. Krishna Rao undertaken field visits since May, 2017 and completed 7 trips as listed here:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Trip report** | **Dates of visit** | | **Duration (MANDAYS )** | **Districts visited** |
| **From** | **To** |
| * TRPN -1 | 25.05.17 | 27.05.17 | 9 | KRN & HYD |
| * TRPN -2 | 13.06.17 | 24.06.17 | 48 | HYD, MDK, KMR, YDR, KRN, MAN, MBD, BDR, WPY |
| * TRPN -3 | 17.07.17 | 22.07.17 | 12 | RGR, HYD, KRN,YDR |
| * TRPN -4 | 07.08.17 | 12.08.17 | 18 | WPY, MDK,KMR, KRN |
| * TRPN -5 | 05.09.17 | 12.09.17 | 32\* | YDR, KRN, MAN,MBD, BDR, HYD |
| * TRPN-6 | 21.09.17 | 25.09.17 | 15 | WPY, MDK, KAM, HYD |
| * TRPN -7 | 10.10.17 | 17.10.17 | 32 | RGR, KRN, MAN, MBD, BDR, YDR |
|  |  |  | **166** |  |

\**includes 8 man-days of field visit by the Field Investigation Organization, ie Natural Resources of India Foundation Delhi represented by its President Shri R P Mattoo.*

Apart from the interviews by questionnaire method by field enumerators and team leaders, the experts during their field visits have undertaken a good number of FGDs to get first-hand information from the field. They have also taken up a number of case studies for more detailed analysis and inference. The experts have interacted through a set of well-structured posers to get the feedback from institutions, markets and infrastructure units. They have also undertaken personal spot visits to reservoirs and tank resources on a selective basis. Interface / interactions with FCS, GPs, KVKs, training institutions, NGOs, SHGs, and Federation both at district and state level have been carried out as set out in the methodology. Through these experts’ field visits 21 reservoirs and 53 tanks have been covered.

**3.0 FGDs and case studies**

There has been completion of FGDs and case studies across the study districts that relate to reservoirs and tank resources, seed farms and aqua farms. The coverage also includes aspects related to marketing, infrastructure, institutions and fishermen welfare activities. The summary of FGDs and CSDs taken up during the field visits is as follows:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **FGDs** | **CSDs** | **Total** |
| * Reservoirs | 21 | 1 | 22 |
| * Tanks | 53 | 4 | 57 |
| * Fish Seed |  | 11 | 11 |
| * Aqua culture farms |  | 3 | 3 |
| * Aggregators |  | 2 | 2 |
| * Markets |  | 6 | 6 |
| * Institutions |  | 6 | 6 |
| * Infrastructure |  | 1 | 1 |
|  | **74** | **34** | **108** |

The district wise coverage of FGDs and CSDs shows that the same is 18 in Karimnagar, 14 in Wanaparthy and Mahabubabad, 13 in Badradri, 12 in Mancherial, 9 in Yadadri, 8 in Kamareddy and Rangareddy, 6 in Medak and Six cases of CSDs relate to other districts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Districts** | **FGDs** | | | **CSDs** | **Total** |
| **Reservoirs** | **DPT** | **GPT** |
| * Kamareddy | 3 | 3 | 1 | 1 | 8 |
| * Karimnagar | 1 | 6 | 1 | 10 | 18 |
| * Mancherial | 4 | 3 | 2 | 3 | 12 |
| * Medak | 2 | 3 | 0 | 1 | 6 |
| * Rangareddy | 1 | 5 | 2 | 0 | 8 |
| * Wanaparthy | 6 | 3 | 0 | 5 | 14 |
| * Bhadradri | 4 | 5 | 3 | 1 | 13 |
| * Mahabubabad |  | 6 | 3 | 5 | 14 |
| * Yadadri |  | 6 | 1 | 2 | 9 |
| * Other districts |  |  |  | 6 | 6 |
|  | **21** | **40** | **13** | **34** | **108** |

**4.0 Stakeholders interface**

The expert team initially had discussions with Additional Chief Secretary, and in-charge of Animal husbandry and Fisheries. GOTS, followed by a Video Conference with the concerned DFOs before commencement of the field study. The suggestions made by the Additional Chief Secretary was taken as part of the guidelines on approach to the study and the focus areas.

The team held several levels of interactions with the Commissioner of Fisheries, Advisor to Department and various DOF officers both at State Head Quarters, Hyderabad and at districts with DFOs and FDOs to elicit all relevant information on programmes, policies relating to seed, marketing, aquaculture, pen and cage culture, and other aspects. Interaction with the General Manager of Fisheries Federation was held periodically during the course of field study.

There were detailed discussions and consultations more particularly with the office bearers of Fishermen Cooperative Societies. Efforts were made to look into the records and reports maintained by FCS to assess whether or not they are following the Society Rules and procedures. Meeting with Hatchery/seed farm owners, Ice Factory owners, Aggregators, Panchayat Samithi members and other stake holders were held in all the districts. The multiple stakeholders’ consultation spread across different levels from state HQ to districts and grass root level can be summarized as follows:

|  |  |
| --- | --- |
| * **State level** | Additional Chief Secretary and Secretary for Animal Husbandry and Fisheries |
| * **Head office** | Commissioner of Fisheries, Advisor, Deputy Directors, Monitoring unit (PM unit), Federation (MD & GM) |
| * **Department level** | District Collector, DFO, Mandal Officers and Field staff |
| * **GP level** | Panchayat Officers, Elected Sarpanch Leaders |
| * **Grassroot level** | Fishers, FCS executives (President & Secretary), Women Fishers Co-operative Societies,MM groups, Marketing and Cooperative Societies, District Fisherman Cooperative Societies (DFCS), Input Dealers (seed, net and ice). |
| * **Market functionaries** |  |
| Aggregators | Fishers cum aggregators, Fishers cum retailers, Exclusive aggregators cum retailers, Aggregators nominated by merchants |
| Market intermediaries | Small traders (retailers), Wholesalers, Petty shops, Service providers, Dry fish producers |
| Consumers | Rural, Semi urban, Urban |
| * **Institutions** | IFTC (Training organisers), KVKs, NGOs |
| * **Seed producers** | Hatchery and seed rearing – Managers in Govt and Private farms |
| * **Aqua culture** | Aqua culture farmers, fishers involved in pen / cage culture |

Through the stakeholder interactions the expert’s team could understand clearly fish arrivals and disposal in the markets. The Major /Metro wholesale markets in Hyderabad and District wholesale markets in Karimnagar and Mahabubabad were covered. Further, they also interacted with fish aggregators, players in Women Fish Markets and Rural Fish Markets. Similarly, interactions with institutional stakeholders involved staff of Krishi Vigyan Kendras and faculty in Fisheries Training Centers. Interactions with manager and staff of Hatcheries / seed Farms/ Aquaculture units at Jagtial, Karimnagar, Wanaparthy, Yadadri, Medak and Bhadradri could provide the role played by these stakeholders.