



EXPRESSION OF INTEREST (EoI)

For

Providing ICT enabled Aquaculture Support Services like Farmer Enrolment, Pond Monitoring, Input Distribution, Data Management, Training Schedule Management, Advisory Services and setup and manage Fish Health Laboratory Services

To

National Fisheries Development Board

Department of Animal Husbandry, Dairying & Fisheries
Ministry of Agriculture and Farmers Welfare, Government of India
Pillar No: 235, PVNR Expressway, SVPNPA Post, Hyderabad-500 052

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National Fisheries Development Board
Pillar No: 235, PVNR Expressway, SVPNPA Post, Hyderabad-500 052

INVITATION FOR EXPRESSION OF INTEREST

National Fisheries Development Board (NFDB) invites sealed Expression of Interest (EoI) from interested and experienced entrepreneurs/firms/companies/organizations for “Providing ICT enabled Aquaculture Support Services like Farmer Enrolment, Pond Monitoring, Input Distribution, Data Management, Training Schedule Management, Advisory Services and Setup and manage Fish Health Laboratory Services”. The EoI Document containing the details of criteria, submission requirement, objective, scope of work etc. can be downloaded from the website <http://nfdb.gov.in>

Further details, if any, may be obtained from Executive Director (Technical), National Fisheries Development Board, Pillar No: 235, PVNR Expressway, SVPNPA Post, Hyderabad-500 052 during working hours.

Last date for submission of EoI is 15th January 2018 up to 1400 hrs. Sealed envelope marked to the below address, containing EoI with all relevant documents may be submitted mentioning “EoI for Providing ICT enabled Aquaculture Support Services to National Fisheries Development Board, Hyderabad” on the top of the envelope containing the document.

Executive Director (Technical),
National Fisheries Development Board,
**Pillar No: 235, PVNR Expressway, SVPNPA Post,
Hyderabad-500 052**

Sd/-
Chief Executive
National Fisheries Development Board
Hyderabad

National Fisheries Development Board
Pillar No: 235, PVNR Expressway, SVPNPA Post, Hyderabad-500 052

Date: 02-01-2018

No.

LETTER OF INVITATION

Dear Sir/Madam,

National Fisheries Development Board, Hyderabad invites sealed Expression of Interest (EOI) from interested and experienced entrepreneurs/firms/companies /organizations for “Providing ICT enabled Aquaculture Support Services to National Fisheries Development Board, Hyderabad”. The EOI document containing the details of criteria, submission requirement, objective, scope of work etc. is enclosed.

The EOI document is also available on the NFDB website: <http://nfdb.gov.in>

You may submit your responses in sealed envelope in prescribed format to the undersigned latest by 15.01.2018 14.00 Hrs.

Executive Director (Technical),
National Fisheries Development Board,
**Pillar No: 235, PVNR Expressway, SVPNPA Post,
Hyderabad-500 052**

Queries if any may be referred in writing to the Executive Director (Technical), at the above mentioned address or Telephone No. 040-24000113 or at E-mail: info.nfdb@nic.in

Contact Person: Vishwanath T S, Sr. Executive (Technical); 98444 66228; 040-24000192

Calendar of Events

S. No.	Item	Date Time
1.	Publishing Date	02.01.2018
2.	Document Download Start Date	02.02.2018 12.00 hrs
3.	Document Download End Date	14.01.2018 12.00 hrs
4.	Bid Submission Start Date	03.01.2018 10.00 hrs
5.	Bid Submission End Date	15.01.2018 14.00 hrs
6.	Bid Opening Date	15.01.2018 15.00 hrs

Yours faithfully,

Sd/-
Chief Executive
National Fisheries Development Board
Hyderabad

Encl.: EOI Document.

Expression of Interest (EoI)

TERMS OF REFERENCE

For

Providing ICT enabled Aquaculture Support Services like Farmer Enrolment, Pond Monitoring, Input Distribution, Data Management, Training Schedule Management, Advisory Services and setup and manage Fish Health Laboratory Services

Introduction:

National Fisheries Development Board (NFDB), Hyderabad is an autonomous institute under Department of Animal Husbandry, Dairying and Fisheries, Government of India established in 2006 with a mandate for promotion and dissemination of fisheries development activities in the country. NFDB proposes to implement the project on **Dissemination of Improved fish varieties in the aquaculture system** through an established “**FISH FARMING NETWORK SYSTEM**” with the following objectives;

1. To establish a e-traceability system, through a network of ‘Multiplication Hatcheries => Fish Seed Grower => Fish Farmer’ for improved variety fish seed.
2. To create awareness about quality fish seed, and the adoption of Best Management Practices
3. Dissemination of quality fish seed including improved varieties in farming system
4. To document the best practices for quality fish seed production, rearing and farming
5. To Provide Advisory Services and Inputs Support to farmers
6. To Set up and manage ICT enabled Fish Health Laboratory services at suitable locations and provide services to fish farmers

Area of Activity

The proposed project will be taken up across the country in the identified states across the country. Indicative list is provided in Tentative Action Plan Enclosed.

Scope of the Work

Important components under the project are;

- 1) ICT enabled e-traceability system of improved fish seed varieties
- 2) Setting up of Aqua One Centers for delivering aquaculture support services

The selected service provider, entrepreneur firm, agency or organization shall provide Information Communication Technology (ICT) enabled services for the following activities.

1. Hatchery, Fish Seed Grower, Fish Farmer, farm and pond enrollment

- Hatchery, Fish Seed Grower, Fish Farmer, farm and pond data shall be collected and a unique profile be created in a Centralized Database
- Profile data comprise elemental information from the farmer and detailed information for quality Standards.
- Geo-referenced farm data to be captured during the enrolment process with the mobile application

2. Pond Monitoring and Input Management

Keep track of the key operating indicators of the pond

- Through pond monitoring ensures proper handling and quality. Estimated volume of produce is also known through pond enrolment
- Feeding data
- Sample growth monitoring
- Water quality (Dissolved Oxygen, pH, Ammonia)
- Disease and remedial measures (Sampling, Lab analyses)
- Harvest information (Final production/Output)
- Keep track of new farming practices and experimental ponds for demonstration units
- Should provide module so that farmers can register request for inputs like improved variety fish seed, feed and other inputs

3. E-Traceability

- The proposed tool shall achieve traceability of seed from hatchery, fish seed grower and farmer.
- At the time of enrollment process, farmer, farms and ponds profiles, along with aquaculture practices are to be recorded. A unique ID to be generated which identifies the source (Farmer) of the produce and links it with all the Farmer Centric data, like certifications, farming practices, and other information like GPS co-ordinates

4. Advisory services

Voice and Text Based services

- Disseminate all information about Best Management Practices to farmers periodically through mobile/field visits
- Periodic water quality management report and advisories

- Messaging details about training, demonstration and other information related to the field activities
- Facility to farmer for sharing his observation using voice messaging, which the service provider can listen and act accordingly.

5. Service Delivery Mechanism

The above services shall be provided by setting up **Aqua-One Centre (AOC)** a service centre with required lab and other ICT facility and technical manpower.

Aquaculture One centre shall be a web-enabled platform, to provide a linkage between farmers and service provider for enrolling, training, and extending crop and location based advisory services. It shall offer consultation service through an expert by registering service request along with samples for farm advice through selected Aquaculture One Centre. The solution should have provision for

- 1) Enrollment: Register with application with a nominal fee for availing all the services of Aquaculture One Center
- 2) Request Submission; a. e-submission through online / Mobile App, b. In-Person
- 3) Sample Submission a. in-person, b. Request a Field Coordinator
- 4) Lab Analyses
- 5) Virtual Diagnostic Service
- 6) Advise Delivery: a. Voice Call, b. Video Conference, c. Online
- 7) Reports Delivery: a. Online through Web portal / Mobile App , b. Printed Report Delivery at Aqua One Center

Important facilities in the service centre shall be as below;

- 1) Lab instruments
- 2) Lab technician
- 3) Field Coordinator with Test Kit and Two Wheeler
- 4) ICT facilities to communicate with farmer and deliver reports and advisory services

Financial Quotation:

The selected service provider shall submit financial quotation for setting up the ICT enabled facility to deliver all the services mentioned above. The financial quotation shall be submitted in Format-3. National Fisheries Development Board, Hyderabad reserves the right to select more than one service provider for components mentioned in this document based on area and expertise of the service provider.

EoI Processing Fees

A non-refundable processing fee for Rs. 25,000/- (Twenty Five Thousand Rupees only) in the form of a Demand draft or a Pay Order drawn in favour of “National Fisheries Development

Board, Hyderabad” Payable at Hyderabad has to be submitted along with the EoI response. Bids received without or with inadequate EoI processing fees shall be liable to get rejected.

Venue & Deadline for submission of proposal

Application, in its complete form in all respects as specified in the EOI, must be submitted to National Fisheries Development Board, Hyderabad at the address specified herein earlier. In exceptional circumstances and at its discretion, NFDB may extend the deadline for submission of proposals by issuing an amendment to be made available on the NFDB website, in which case all rights and obligations of NFDB and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

Validity of Offer:

The offer for EoI as per this document shall be valid for a period of three (3) months initially which may be extended further if required by NFDB.

Eligibility Criteria:

1. The bidding applicant should have business track record of 5 years or more.
2. The bidding applicant should furnish necessary documents justifying the track record.
3. The bidding applicant has to showcase necessary client referrals and resume of skillsets
4. The bidding applicant should have completed at least one project similar to the proposed project of NFDB
5. The bidding applicant should have experts to handle technical requirements of the proposed project.
6. The bidding applicant should not have been blacklisted by any Govt Ministry/ PSUs/ corporates etc.
7. The bidding applicant should be able to arrange visit of NFDB committee to their facilities and reference check with their Clients
8. The bidding applicant shall have annual turnover of Minimum of Rs 10.00 lakh. And shall submit relevant financial audit documents attested by chartered accountant.

Instructions to Applicants

The Expression of Interest is to be submitted in the manner prescribed below. All information as detailed below is to be submitted in hard copies in sealed cover.

- a) Applicant’s Expression of Interest as per Format-1.
- b) Application as per Format-2. Along with relevant Documents
- c) Format -3 Financial Quotation

c) Power of Attorney in favour of Authorized Signatory with long and short signatures of Authorized person. [in case of Partnership Firms/Agencies/Organizations]

EoI Documents have been hosted on the website <http://nfdb.gov.in> and may be downloaded from the website. The bidders are expected to examine all instructions, forms, eligibility criteria and other details in the EoI document carefully. Failure to furnish complete information as mentioned in the EoI document or submission of a proposal not substantially responsive to the EoI documents in every respect will be at the Bidder's risk and may result in rejection of the proposal.

Selection of Applicant:

- a. The applicant will be selected based on verification and testimonials submitted and field visit to assess the ability of applicant to deliver the required services.
- b. NFDB will take up references and reserves the right to assess the ability of applicant.
- c. Short listed applicants will be invited for a detailed presentation before the scrutiny committee appointed by Chief Executive, NFDB, Hyderabad
- d. The selected applicant shall be invited for finalization of Service Level Agreement.
- e. National Fisheries Development Board, Hyderabad reserves the right to select more than one service provider for components mentioned in this document based on area and expertise of the service provider.

Service Level Agreement

Selected service provider shall enter into a service level agreement with NFDB before actually starting the service delivery.

Data and reports

NFDB shall have copy right over all the data gathered and reports generated by the service provider during the project period and shall not be used or published in any manner without consent of NFDB

Condition under which EOI is issued:

- a. The EoI is not an offer and is issued with no commitment. NFDB reserves the right to withdraw EoI and or vary any part thereof at any stage. NFDB further reserves the right to disqualify any applicant, should it be necessary at any stage.

Date of submission of EOI:

- b. The last date of submission of EoI is 15.01.2018 (1400 hrs.).
- c. Bid Opening Date & Time is 15.01.2018 (1500 hrs.)

FORMATS FOR SUBMISSION

FORMAT – 1

APPLICANT'S EXPRESSION OF INTEREST

To,

Executive Director (Technical),
National Fisheries Development Board,
**Pillar No: 235, PVNR Expressway, SVPNPA Post,
Hyderabad-500 052**

Sub: Submission of Expression of Interest for “Providing ICT enabled Aquaculture Support Services”

Dear Sir/Madam

In response to the Invitation for Expressions of Interest (EoI) published on _____ for the above purpose, we would like to express interest to the above proposed task. As instructed, we are submitting the following documents in sealed envelopes for needful:

- a) Applicant's Expression of Interest as per Format-1.
- b) Application as per Format-2 with relevant documents
- c) Financial Quotation: Format-3.
- e) Power of Attorney in favour of Authorized Signatory with long and short signatures of Authorized person [in case of Agencies/Organizations]

Sincerely Yours,

Signature of the applicant
[Full name of applicant]

Date:

Encl.: As above.

FORMAT – 2

APPLICANTS PROFILE

Sl. No	Particulars	Information furnished By the applicant
1.0	Name and address of the applicant (INBLOCKLETTERS):	
2.0	Address for communication (telephone/mobile number):	
3.0	Have already delivered such services to any individuals/agencies/organization? No. of years of Experience in this aspect; Provide nature of services provided and details of customers;	
4.0	Type of ICT tools being employed to deliver services; Provide technical details like platform of development; mobile app/web portal/cloud computing capability; customization to the proposed requirements; webservice capability with other applications etc.	
5.0	Technical support personnel available to handle this project; Fish health Experts, Field coordinators, lab technicians;	
6.0	Previous Performance; Customer Reviews Awards Certifications	
7.0	Annual turnover of Minimum of Rs 10.00 lakh. And shall submit relevant financial audit documents attested by chartered accountant.	

I hereby declare that the information furnished in the application is true to the best of my knowledge and belief. I abide by the terms and conditions of NFDB with respect to

Date:

Signature of the applicant
Full name of the applicant
Stamp & Date

Enclose: -

1. Copy of Certificate of Incorporation. [in case of Firm]
2. Experience Certificates and other relevant documents in support of above profile.
3. Phot ID and Address Proof.
4. Power of Attorney in favour of Authorized Signatory with long and short signatures of Authorized person [in case of Agencies/Organizations]

FORMAT 3 FINANCIAL QUOTATION

[Please refer to the scope of the work]

Sl_No	Service Type	Financial Quote In Rupees	Per Service Fee In Rupees
1	Hatchery, Fish Seed Grower, Fish Farmer, farm and pond enrolment [Estimated Enrolments: 10000 farmers]		
2	Pond Monitoring a) Water Quality Parameters[DO, pH, Ammonia] b) Growth Sampling [Estimated Pond Area 1000 ha]		
3	E-Traceability: Improved Variety Dissemination [hatchery to seed grower to farmer]		
4	Advisory Services Periodic Best Practice Advisory Advisory on Feeding Chart Fish Health Advisory [periodic] Emergency Advisory[on demand]		
5	Setting up of Aqua One Centre for each centre with one filed coordinator and linked to expert advice service, lab facilities a) Setting up of facility b) Per visit of Field Coordinator c) Lab Analyses of Sample d) Report Delivery		
6	Any other Services [Please provide specific type of service provided]		
	TOTAL		

[Total Amount in Words _____

_____ Only]

Date:

Signature of the applicant
Full name of the applicant
Stamp & Date

Tentative Action Plan

1. **Project Period:** The project is for the period of 3 years from the date of commencement of agreement.

2. **Proposed Enrolment Targets (Indicative)**

S.No.	Name of the State	Target for Hatchery Enrolment	Target for Fish Seed Growers
1	Chhattisgarh	21	210
2	MP	20	200
3	Bihar	42	420
4	Jharkhand	46	460
5	Odisha	21	210
6	West Bengal	200	2000
7	HP	4	40
8	J&K	4	40
9	Punjab	5	50
10	Rajasthan	5	50
11	UP	68	680
12	Uttarakhand	3	30
13	Arunachal	9	90
14	Assam	151	1510
15	Manipur	6	60
16	Meghalaya	8	80
17	Mizoram	4	40
18	Nagaland	3	30
19	Sikkim	3	30
20	Tripura	16	160
21	AP	37	370
22	Karnataka	6	60
23	Kerala	2	20
24	Tamil Nadu	3	30
25	Telangana	10	100
26	Gujarat	6	60
27	Maharashtra	9	90
	Total	712	7120

3. Trainings Planned (Indicative)

Total 16 workshops and 237 batches training comprising 30 per batch and 27 demonstrations are to be conducted.

4. Project Monitoring Unit

NFDB sets up a project monitoring unit at suitable locations to monitor the project. The service provider shall correspond through the PMU for any issues pertaining to the project.