

## **Expression of Interest for Establishment Aqua One Centre (AOC)**

### **1. Background and purpose of EOI:**

To utilize the potential marine/brackish water areas of the country, Gol has made efforts to promote mariculture activities like open sea /brackish water cage farming and in coastal ponds of marine finfishes

Small scale cage culture technology for fin fish production is spreading along Karnataka in rapid pace and at present more than 500 cages are installed in various estuaries. Karnataka state has 300 km coastline and most importantly it has pristine unpolluted brackishwater/estuarine area of about 8000 ha. Among the 26 estuaries in Karnataka, Dakshina Kannada has 5 estuaries with a total of 1140 ha area, Udupi has 8 estuaries of 1885 ha and Uttara Kannada has 13 estuaries having an area of 4200 ha. All these estuaries have potential for small scale cage culture. But the basic requirement for the development is the availability of seed for the culture practices. Most of the seed requirement for the existing fin fish cages are being met from the seed transported from the east coast and it is the most important short coming felt in future development of small scale cage farming in Karnataka. Seed production technology is highly scientific activity involving high technical high cost. The fish seeds procured from the hatcheries need a nursery phase to get desirable survival rate in cages.

Quality fish seed is a fundamental pre-requisite for sustainable and successful fish culture, be it on a small scale or commercial scale operations. Advanced fish fingerlings of the desired species in required quantity are essential for stocking in the grow-out pond for realizing satisfactory survival, production as well as productivity. To meet the growing demand for advanced fish fingerling in the country, fish seed grower has acquired special significance. Recognizing this specialized activity of fish seed growing, one of the activity proposed in the AOC is seed rearing.

In addition to that the AOC also should be providing ICT enabled Aquaculture Support Services like Farmer Enrolment, Input Distribution, Data Management, Training Schedule Management, Advisory Services.

## The AOC will install ICT enabled advisory service system to provide

- i. Periodic Best Practice advisory and technical guidance on BMP in respect of seed production/rearing, advisory on Feeding Chart, Fish Health Advisory whenever needed including management of diseases /preventive measures to be taken and emergency advisory on demand basis
- ii. Suggestions for enhancing production and profitability
- iii. Technical guidance/ information support on types of inputs required viz., basic seed, feed, medicines and supportive equipment/ accessories/ gadgets for different activities of hatchery operations, seed rearing and fish farming, d) quantification of inputs required with time-frame in case of different rearing/production processes, e) sources of input suppliers to establish contacts/ liaison with the suppliers, negotiate supply conditions such as prices and delivery schedule, f) harvesting and post- harvest/value addition, marketing and disposal of the fish, (g) provide information support to facilitate registered farmers in getting such benefits of subsidy/ financial assistance/input support and such others under the on-going Govt. programmes depending on their eligibility.

### Components of unit

2.1 Marine Finfish seed rearing unit shall comprise of following units.

S.No.	Component
<b>A.</b>	<b>Intensive marine finfish seed rearing in Coastal Ponds</b>
	Rearing facility in brackish/saline water bodies, cost include FRP tanks, HDPE liners, cement tanks etc.
<b>B.</b>	<b>Support facility/accessories</b>
	Fish seed transport facilities, oxygen cylinders, packing & fingerling collection nets or any other handling materials etc.
<b>C.</b>	<b>Input Costs</b>
	Input costs for marine finfish seed rearing: Cost of fry/fingerlings, feed, hapas, sanitizers, probiotics and feed supplements etc.
<b>D.</b>	Lab equipments for water quality monitoring , ICT tools and its management
<b>E.</b>	Manpower

**FORMAT – 1**

**Applicant's Expression of Interest**

To,

The Scientist-in-Charge  
ICAR-CMFRI, Mangalore Research Centre  
Hoige Bazar, Mangaluru – 575001

**Sub: Submission of Expression of Interest (EoI) “for establishing Aqua One Centre reg.**

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) Application as per Format-2 with relevant documents

Sincerely Yours,

Signature of the applicant  
[Full name of applicant]

Date:

Encl.: As above.

**ICAR-CMFRI –NFDB**  
**Application for Setting up of Aqua-One Center**

S. No	Particulars sought from the applicant	Information furnished by the applicant
(1)	(2)	(3)
1	Name and address of the applicant (IN BLOCK LETTERS):	
	Category:	Individual/FIRM/Govt Institute
	If Individual	General/SC/ST/Women/OBC [Attach ID Proof/Category Documents]
	If Firm	Individual Proprietor / Partnership/ Company/ others specify [Attach registration documents]
2	Address for communication	[Attach Address Proof Document]
	Street:	
	Place:	
	District:	
	State:	
	Phone: (O):	
	I:	
	(Fax):	
	Mobile:	
	E-mail:	
3	Enclose a layout map showing different sections of the AOC	
4	Is the farm is registered with any Accreditation Institutions. If yes, enclose a copy of the certificate	
5	Details of the proposed location of the AOC facility	
	No of Units Proposed to be Set up (Enclose location details)	
	Aquaculture area proposed to be covered (Provide center-wise details)	
	Total No of farmers proposed to be covered (Provide center-wise details)	
6	Ownership of the Premises (whether freehold or on lease/ rent):	
7	If on lease/rent, duration of lease/rent (Enclose a copy of the lease/rental agreement)	

8	Enclose copy of the project report on unit economics of operation and maintenance	
10	Estimated project cost	Cost(Rs)
11	Details of the number of persons to be deployed in the AOC and their qualification (Provide center-wise details)	
12	Source of funds to meet the cost of setting up of center (If self-finance provide declaration/If bank loan submit Bank consent letter)	

**Date:**

**Place:**

Signature and seal of the authorized  
representative of the Implementing Agency

### **Declaration by the Applicant**

I/We.....son/daughter/wife  
of.....residing  
at..... hereby  
declare that the information furnished above is true to the best of my/ our knowledge and belief. I  
am/ we are fully aware that if it is found that the information furnished by me/ we is false or  
there is any kind of deviation/ violation of the conditions under which assistance is provided to  
me by the ICAR-CMFRI –NFDB, any action as deemed fit for violation of this condition may be  
taken against me/ us.

#### Estimated Cost of one Aqua One Centre

Sl. No	Items	Cost (Rs. in Lakhs)
1.	Leasing facility	2.00
2.	Construction of rearing tanks and laboratory	6.00
3.	Water quality monitoring minor equipments/ pumps/ blowers	2.5
4	Two wheeler and field kit	1.5
5	Man power –Field coordinator /Sale coordinator/Lab clinician/Expert service	3.0
6	Recurring expenses- Refilling reagents, AMC for equipment and ICT, Travel cost etc.	5.00
	<b>Total</b>	<b>20</b>

#### Scheme for establishment of Aqua One Labs

The pattern for subsidy assistance as per CSS on blue revolution is 40% of the total project cost to General category and 60% of the total project to SC/ST and women beneficiaries.

## **Terms and Conditions**

- a. Application, in its complete form in all respects as specified in the EOI, must be
- b. submitted to ICAR-CMFRI Mangalore Research Centre 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 CMFRI website, in which case all rights and obligations of CMFRI and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.
- c. Applicant may apply for maximum of **3** AOC units, if applicant is an individual

### **Documents required to be submitted along with the application form**

1. Application in the prescribed format (FORM-I)
2. A copy of the project report indicating the techno- economic viability operations of the lab.
3. Details and qualification of manpower to be placed in the AOC unit.
4. Source of funding as beneficiaries share to operate the AOC, meet salaries and wages of the staff etc.
5. List of equipment, furniture to be purchased along with the copies of the quotations
6. Layout of the laboratory showing various diagnostic sections

### **3. The AOC will install ICT enabled advisory service system to provide**

- i. Periodic Best Practice advisory and technical guidance on BMP in respect of seed production/rearing, advisory on Feeding Chart, Fish Health Advisory whenever needed including management of diseases /preventive measures to be taken and emergency advisory on demand basis
- ii. Suggestions for enhancing production and profitability
- iii. Technical guidance/ information support on types of inputs required viz., basic seed, feed, medicines and supportive equipment/ accessories/ gadgets for different activities of hatchery operations, seed rearing and fish farming, d) quantification of inputs required with time-frame in case of different rearing/production processes, e) sources of input suppliers to establish contacts/ liaison with the suppliers, negotiate supply conditions such as prices and delivery schedule, f) harvesting and post- harvest/value addition, marketing and disposal of the fish, (g) provide information support to facilitate registered farmers in getting such benefits of subsidy/ financial assistance/input support and such others under the on-going Govt. programmes depending on their eligibility.

## **5. Other Requirements:**

- i. Service provider will develop a comprehensive action plan with time line for executing the activities and submit along with application.
- ii. Selected AOC shall enter into MOU (a service level agreement) with ICAR-CMFRI before actually starting the service delivery.
- iii. Service provider will facilitate organizing interaction workshops of enrolled famers with AOC technical team and experts of CPMU for detailed deliberations on various aspects of project details, implementation, operational modalities, roles and responsibilities etc. Also facilitate training of registered farmers on the proposed activities wherever required.
- iv. The Field Coordinator of AOC shall be responsible for collection of reliable and valid data in the field using the requisite formats / tools and also take photographs along with GPS co-ordinates. Also identify and document field level problems and constraints experienced during implementation, collect feedback, suggestions and modifications required etc. for wider dissemination and diffusion of technologies / practices. Such documented information will be made over to the LPMU/RPMU/CPMU for their consideration and replication elsewhere wherever necessary.
- v. The selected service providers will participate in review meetings at periodic intervals at NFDB, Hyderabad or any other place as informed by the Board.

## **6. Selection of Applicant:**

- i. 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.
- ii. ICAR-CMFRI will take up references and reserves the right to assess the ability of applicant.
- iii. Short listed applicants will be invited for a detailed presentation before the scrutiny committee appointed by Scientist-in-Charge, Research Centre of ICAR-CMFRI, if required.
- iv. The selected applicant shall be invited for finalization of Service Level Agreement.

## **7. Service Level Agreement**

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