



राष्ट्रीय मात्स्यिकी विकास बोर्ड
National Fisheries Development Board
मत्स्यपालन विभाग
Department of Fisheries



मत्स्यपालन, पशुपालन एवं डेयरी मंत्रालय, भारत सरकार

Ministry of Fisheries, Animal Husbandry & Dairying, Government of India
स्तम्भ संख्या -235, पी. वी. एन. आर एक्सप्रेस वे, डाक- एस. वी. पी. एन. पी. ए, हैदराबाद- 500 052
Pillar No: 235, PVNR Expressway, SVPNPA Post, Hyderabad - 500 052

फोन/ Phone No. 040- 24000177/201, फेक्स /Fax No: 040-2401 5568, वेबसाइट/website: nfdb.gov.in

F. No. NFDB/Tech/ Biofloc/ 2019-20

Date: 02 /03/2020

INVITATION FOR EXPRESSION OF INTEREST (EOI)

National Fisheries Development Board (NFDB) invites sealed Expression of Interest (EOI) for “Establishing fish seed rearing unit using Biofloc Technology at NFDB, Hyderabad”, from interested individuals/farmers/societies/federations/corporations. Applicants are advised to go through the EoI document carefully before the filling up the application form. Filled up application shall be submitted along with required documents and fees on or before 27/04/2020 by 14:00 Hrs. The EoI document contain objective, scope of work, eligibility criteria, submission requirement, Location map, Layout etc.

Sealed envelope marked to the below address, containing EoI with all relevant documents may be submitted mentioning “EoI for establishing Bioloc unit” from interested individuals/farmers/societies/federations/corporations to National Fisheries Development Board, Hyderabad” on the top of the envelope containing the document.

Last date for submission of EoI is 27th April 2020 upto 1400 hrs.

Queries if any may be referred in writing to the Executive Director (Technical), at the below mentioned address or Telephone No. 040-24000115/126 or E-mail: info.nfdb@nic.in

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

National Fisheries Development Board
Hyderabad

Expression of Interest for “Establishing Biofloc unit at NFDB, Hyderabad

1. Background and purpose of EOI:

The global population is expected to grow by another 2 billion to reach 9.6 billion people by 2050, and the demand for animal protein is increasing and it is a challenge of feeding our planet by safeguarding its natural resources for future generations. In this context, aquaculture plays a key role in promoting health by providing animal protein as well as generating jobs and economic opportunities.

BFT is considered the new “blue revolution” since nutrients can be continuously recycled and reused in the culture medium, benefited by the minimum or zero-water exchange. Bio-floc technology (BFT) is an environment friendly aquaculture technique based on in situ microorganism production. Bio-floc is the suspended growth in ponds which consist of aggregates of living and dead particulate organic matter, phytoplankton, bacteria and grazers of the bacteria. It is the utilization of microbial processes within the tank/pond itself to provide food resources for culture organism while at the same time acts as a water treatment tank. Thus, this system is also called as active suspension ponds or heterotrophic ponds or even green soup ponds. Bio-floc system is a wastewater treatment which has gained vital importance as an approach in aquaculture. The higher C: N is maintained through the addition of carbohydrate source and the water quality is improved through the production of high-quality single cell microbial protein. In such condition, dense microorganisms develop and function both as bioreactor controlling water quality and protein food source. Immobilization of toxic nitrogen species occurs more rapidly in bio-flocs because the growth rate and microbial production per unit substrate of heterotrophs are ten-times greater than that of the autotrophic nitrifying bacteria. This technology is based on the principle of flocculation within the system.

2. Organization Role:

The National Fisheries Development Board (NFDB), Hyderabad is an autonomous organization under the administrative control of Department of Fisheries (DOF), Ministry of Fisheries, Animal Husbandry & Dairying, Government of India. Recognizing this specialized activity of Bioloc fish seed growing and gaining popularity towards fish rearing with Biofloc, NFDB proposes to demonstrate Biofloc fish farming in the premises of NFDB at Hyderabad. The activity will be taken up by adopting new technology duly stocking fish seed using collapsible/ FRP tanks with 100 nos/m³ (min. 1000 nos per 15,000 litres tank -depending on species).It is proposed to stock different varieties of filter feeding species like Tilapia ,

Common carp , Pangasius, Vannami(Juvenile) etc. with the following objectives

- To promote high yielding intensive fish farming in small area using BFT
- To encourage farmers and unemployed youth into income earning through small scale through BFT.

3. Role of Applicant:

Applicant is required to establish bioloc fish culturing tanks (includes supply & installation of tanks) as per NFDB approved layout in the premises of NFDB, Hyderabad with all necessary supportive works like ground leveling, brick/ concrete pedestals, water supply connections, drainage connections, Aerators and electrical connections, supportive Roofing structure in steel for shade net/ GI / Transparent sheet and to commission the project.

4. Eligibility Criteria.:

Suppliers/ Agencies, Firms or Organizations/Individual with similar experience, adequate manpower and financial capacity to execute the work are eligible. Depending on the capacity (Individual/ Firm/ Public Limited company/Joint Venture), applicants have to submit self-attested copies of

1. Registration of firm
2. GST registration certificate and
3. PAN Card
4. Income tax returns for the last three years
5. Agreement deed
6. All experience, past performance and capacity /capability related documents. All the documents should be self-certified by the agency or his firm. The agency/organization/entrepreneur or his/her firm should not have been blacklisted /debarred for dealing by Government of India or any State Govt. in any manner and an undertaking should be submitted along with the EoI, to this effect.

5. Components of unit

Bio floc unit setup shall comprise of following components.

S.No	Component	Nos
1	Setup of PVC/HDPE Tarpaulin/Fibre tanks(15,000 Litres capacity)/frp with minimum 5 years warranty	5
2	Shed material and accessories fixing charges for	150 m ²
3	PVC pipe fittings for air, water flow	LS
4	Nets and accessories	5
5	Five Blowers of 0.2 H.P, Air stones and other accessories	1
6	Electrification	LS
7	Weighing balance	1
8	Miscellaneous	

Adopting new technologies by the agencies apply for EOI is envisaged

6. Selection of Applicant

1. Technical committee constituted by NFDB will evaluate the applications and documents submitted by the applicants and shortlist the applicant's for next stage of evaluation.
2. The selected applicant may be invited for a brief Presentation at NFDB, Hyderabad along with the cost estimate to NFDB, Hyderabad or NFDB may award the work based on documents submitted.
3. The decision of the committee members will be final in the selection process.
4. Selected applicant shall enter into an agreement with NFDB as the approved agency.
5. There shall be no deviation from the approved rules prescribed by the Board.
6. The Committee reserves the right to disqualify any application/applicant, if considered necessary at any stage from the approved agencies.
7. Timeline fixed for completion of above said work should not exceed one month.
8. Selection of applicant is further subject to terms of reference under Annexure I.

7. EoI Processing Fees:

A non-refundable processing fee of Rs. 500/- (Five Hundred Rupees only) in the form of a Demand draft or a Pay Order drawn in favour of "National Fisheries Development Board," Payable at Hyderabad has to be submitted along with the EoI response. Applications received without or with inadequate EoI processing fees shall be liable to get rejected. Govt. Institutes are exempted from payment of fee.

8. Venue & Deadline for submission of proposal

Application in its complete form in all respects with relevant documents 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, for such extension.

9. Validity of Offer

The offer for EOI as per this document shall be valid for a period of six months initially which may be extended further if required by NFDB.

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.

10. INSTRUCTIONS TO APPLICANTS

The Expression of Interest is to be submitted in the manner prescribed below.

The applicants are expected to examine all instructions, forms, terms of Reference and other details in the EoI document carefully. 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 &2 along with relevant Documents b) Resolution of Authorized Signatory.

11. Last date of submission ofEOI

The last date of submission of EOI is 27/04/2020 (1400 hrs.).

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 (EoI) “Establishing Biofloc unit at NFDB,
Hyderabad”-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:

1. Application as per Format-2 with relevant documents

Sincerely Yours,

Signature of the applicant
with company/firm seal
[Full name of applicant]

Date:

Encl.: As above.

Format-2

Application for Establishing Biofloc unit at NFDB, Hyderabad

Personal Details	
Name of the Applicant	
S/O,D/O,W/O	
Category(General/SC/ST/Women)	
Aadhar Card/Voter-Id	
Address for communication Telephone: Mobile: E-mail:	
Registration of firm	
GST registration certificate	
PAN Card	
Income tax returns for the last three years	
Agreement deed	
B. Project proposal Technical & Financial Information	
Project Title:	
Total Project Cost (Rs. in lakhs):	
Project Location:	NFDB, Hyderabad
Status of Facility (New/Renovation/Modernization)	New
Please specify the proposed facilities for the project like Aerators, Hapas, Pumping etc., (No. & Capacity):	
Whether any experience in execution of for Similar project. If so please provide details	
Proposed cost (Rs. in lakhs):	Attach component wise detailed Estimates

Declaration of Applicant:

This is to certify that, I/we son/daughter of hereby declare that the information furnished above is true to my knowledge and belief and all relevant documents are enclosed.

Date:

Place:

Signature:

Annexure-I

TERMS OF REFERENCE (ToR)

1. Applicant is required to establish bioloc fish culturing tanks (includes supply & installation of tanks) as per NFDB approved layout in the premises of NFDB, Hyderabad with all necessary supportive works like ground leveling, brick/ concrete pedestals, water supply connections, drainage connections, Aerators and electrical connections, supportive roofing structure in steel for shade net/ GI / Transparent sheet and commission the project.
2. NFDB shall not pay any compensation for any loss/damages caused due to any natural calamity or any other causes. The applicant alone will be responsible for any damage/loss incurred.
3. Activity shall be taken up within 10days of issuance of work order otherwise it stands cancelled.
4. Any issues regarding Execution of work shall be sorted out by discussing with NFDB. Decision of NFDB will be final.
5. Further disputes, if any arising out of the project will be settled within the jurisdiction of Hyderabad court only.
6. Officials of NFDB shall have the access to the unit during execution of work. NFDB can alter, modify and delete some parts of proposed unit whenever required.
7. Successful applicant shall execute an agreement on Rs.100/- judicial stamp paper with NFDB stating that he / she will abide by the above said terms and conditions.
8. **Estimates and output shall meet the technical requirement** of the Biofloc activity and are subject to approval of technical committee.
9. Excess liability if any incurred by the entrepreneur/Firm, the Board is not liable to Discharge such unauthorized expenditure.
10. National Fisheries Development Board have all the rights to modify any portion of EoI or withdraw or cancel the entire process at any stage.