



सत्यमेव जयते

राष्ट्रीय मात्स्यकी विकास बोर्ड
National Fisheries Development Board
पशुपालन, डेयरी एवं मत्स्यपालन विभाग
Department of Animal Husbandry, Dairying & Fisheries
कृषि मंत्रालय, भारत सरकार
Ministry of Agriculture, Government of India
स्तम्भ संख्या -235, पी. वी. एन. आरएक्सप्रेसवे, डाक- एस. वी. पी. एन. पीए, हैदराबाद- 500 052
Pillar No: 235, PVNR Expressway, SVPNPA Post, Hyderabad-500 052
फ़ोन/ Phone No. 040- 2400 0201; फ़ैक्स/Fax No: 040-2401 5568



वेबसाइट/website: nfdb.gov.in

F. No. 2012/NFDB/ICC-ADMIN/2017-18

Date: 17/05/2018

INVITATION FOR EXPRESSION OF INTEREST (EoI)

National Fisheries Development Board (NFDB) invites sealed Expression of Interest (EoI) for taking up fish culture in cages with an integrated approach in selected reservoirs of Telangana State from interested and eligible individual/agency/firm/company on Lease-Develop-Operate Basis. Application & EoI document can be downloaded from our Website: <http://nfdb.gov.in>. Applicants are advised to go through the EoI document carefully before the filling up the application form. Filled up application shall be submitted in sealed envelope with the subject marked on top of the envelope to the below address along with required documents and fees **on or before 18/06/2018 by 14:00 Hrs.**

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



EXPRESSION OF INTEREST DOCUMENT

For taking up fish culture in cages with an
integrated approach in selected reservoirs of
Telangana State



राष्ट्रीय मात्स्यकी विकास बोर्ड
National Fisheries Development Board
Department of Animal Husbandry, Dairying and Fisheries
Ministry of Agriculture and Farmers Welfare, Government of India



Index of Contents

S. No.	Particulars	Page No.
Chapter 1.	Cage culture and Potential Resources	2-4
Chapter 2.	NFDB and its earlier efforts towards the development of Cage Culture	5
Chapter 3.	Cage Culture project in Telangana State	5-7
Chapter 4.	NFDB Project: Integrated Inland Cage Culture model	7-11
4.1	Objectives	7-8
4.2	Submission of DPR & Evaluation	9
4.3	Pattern of Financial Assistance	9
4.4	Institutional Arrangements	9
4.5	Implementation Module	10
4.6	Indicative timeline of the Project	11
Chapter 5.	Terms of Reference (ToR)	12-15
5.1	Application Terms	12
5.2	Eligibility Criteria	12
5.3	Selection Criteria	12
5.4	Reservoir Lease Terms	13-14
5.5	Compliance to existing Govt. Notifications and Guidelines	15

1. Cage Culture: Potential and Resources

Freshwater aquaculture in India by and large centers on the pond-based systems. However, there are limitations for growth in pond-based aquaculture, considering the ever-increasing and often conflicting cross-sectoral demands for water and land. Cage culture is the future of Indian fisheries, for several reasons. Land availability is a constraint in most states, so to keep digging more ponds for fish production will not be that easy. Barring some hilly states and a few states of the north eastern region, most of our states cannot afford to earmark a lot of land for fisheries purposes. Most of the productive land is under agriculture or horticulture and diverting such productive lands for fisheries is generally not seen as a wise choice given the constraints of food security. For such states, cage culture could be a worthy option to consider. And, we have a large number of fresh water reservoirs in the country, mostly unutilized from fisheries point of view. India has 3.15 million hectares of reservoirs and more than 3.5 lakh ha of floodplain wetlands (*beels, jheels, mauns, pats, etc.*) spread across the river basins in the country. The yield from the reservoirs is low, to the extent of about 82Kg/ha.

The NFDB's experience of stocking the small reservoirs of the country has been reasonably successful, but that would not be sufficient to make a big difference to the fishery basket of the country. So, it will be necessary for us to focus on the medium and large reservoirs and a quick and good way to enhance fish production several times over will be optimally harnessing the vast fresh water resources of these reservoirs, located almost all over the country. Utilizing a modest fraction of their surface area, large and medium reservoirs can contribute a substantial quantity of fish to the total inland fish production basket. Though cage culture has not yet reached the commercial proportions capable of making any impact on the production figures, it has great development potential and it is heartening to note that it is growing at fast pace over past 5-6 years. The Government of India has classified reservoirs as small (<1000 ha), medium (1,000 to 5,000 ha) and large (>5000 ha) for the purpose of fisheries management, although different states have varied classifications. Altogether, India has 3153346 ha of reservoirs and 353713 ha of floodplain wetlands spread throughout the country.

Table 1: State-wise reservoir resources in the country (Area in ha.)

State	Small	Medium	Large	Total
Madhya Pradesh	172575	149259	138550	460384
Andhra Pradesh	173837	43298	50078	267198
Telangana	28090	23131	140073	191309
Karnataka	228657	29078	179556	437291
Tamil Nadu	315941	19577	23222	358740
Uttar Pradesh	218651	44993	71196	334840
Gujarat	84124	57748	144358	286230
Maharashtra	119515	39161	115054	273730
Orissa	66047	12748	119403	198198
Rajasthan	54231	49827	49386	153444
Bihar	12461	12523	71711	96695
Himachal Pradesh	200	-	41364	41564
Kerala	7975	15500	6160	29635
West Bengal	732	4600	10400	15732
North East states	2239	5835	-	8074
Haryana	282	-	-	282
Total	14,85,557	5,07,278	11,60,511	31,53,346

Table 2: State-wise Floodplain wetlands in the country

State	Area (ha.)
Uttar Pradesh	152000
West Bengal	42000
Assam	100000
Bihar	40000
Manipur	16500
Arunachal Pradesh	2500
Meghalaya	213
Tripura	500
Total	3,53,713

Cage Culture is an emerging technology for intensive production of fish and is considered to have huge potential for increasing the fish production of the country. It is often considered as the future of Indian Fisheries. In recent years, efforts being made to promote cage culture in the inland open water bodies like reservoirs and floodplain wetlands in the country, which inter alia advises how to leverage cage culture:

- 1) To augment fish production from lakes and reservoirs in a responsible manner, without affecting the livelihood of the traditional/local fishing communities;
- 2) To increase per capita fish protein availability in the country;
- 3) To enhance the income and livelihood security of the fishers depending on inland fisheries resources; and
- 4) To ensure that the growth of aquaculture is:
 - a) Inclusive and sustainable,
 - b) In harmony with principles of ecological integrity and natural resource conservation, and
 - c) Not in conflict with the genuine interests of other users of the water and land resources.

The inland cage culture is currently being implemented in an isolated manner in various states with varying degree of success. Recognizing the high potential in cage culture, the activity has been included as a priority item under Blue Revolution Scheme and NFDB has formulated an action plan for implementation of Cage Culture. At first instance, NFDB has drawn up as action plan for establishing 1000 cages across the country. CIFRI being a pioneer research institute dedicated to the development of inland fisheries, has developed and standardized technology for inland cage culture in the country. Since the government is very keen to achieve an additional production of 5 million tonnes of fish by the end of 2020, grounding appropriate technologies like inland cage culture has become more imperative. This can happen only through up scaling of viable and emerging technologies cage culture being promoted through a national level developmental organization like NFDB. With this backdrop, NFDB and CIFRI entered into a MoU for transfer of cage culture technology developed by CIFRI to NFDB for wider dissemination among the States, beneficiaries and entrepreneurs.

2. NFDB and its earlier efforts towards the development of Cage Culture:

The National Fisheries Development Board (NFDB) was established in 2006 as an autonomous organization under the administrative control of the Department of Animal Husbandry, Dairying & Fisheries, Ministry of Agriculture and Farmers Welfare, Government of India to enhance fish production and productivity in the country and to coordinate fishery development in an integrated and holistic manner. The NFDB is headed by a Chief Executive. A wide range of fishery development activities viz., intensive aquaculture in ponds and tanks, culture based capture fisheries in reservoirs, cage and pen culture in open water bodies, coastal aquaculture, cold water fisheries, ornamental fisheries, mariculture, seaweed cultivation, establishment of fishery infrastructures like harbors, landing centers, processing units, fish markets etc. and capacity building of fishermen and fish farmers are being supported.

Recognizing the high potential in cage culture, NFDB supported several initiatives on cage culture in reservoirs; first introduced in Jharkhand (Chandil Reservoir), later in other states like Chhattisgarh, Assam, Maharashtra, Andhra Pradesh, Rajasthan, Telangana, Tamil Nadu, West Bengal, etc. through State Fisheries departments. So far, NFDB has assisted for installation of 3117 numbers of inland cages across the country of which 2553 in reservoirs, 560 in beels/wetlands and 2 in coal pits. NFDB has learnt many lessons through implementation of cage culture projects. Since the cage culture is a capital intensive activity, to start with these projects were substantially subsidized. However, when the subsidies were withdrawn, financially weak beneficiaries like fishermen, members of the fishermen cooperative societies, etc. found it difficult to continue cage culture with their own financial means. Further, these activities were implemented mostly in isolated manner without any forward or backward integration. Though these projects achieved varying degree of success, in all cases, it resulted in increased fish production and created additional livelihoods.

3. Cage Culture project in Telangana State:

The Department of Fisheries, Govt. of Telangana has the mandate to increase the fish production through effective utilization of the fishery resources of the state. The Department is implementing several schemes for the better utilization of the resources and for the welfare of fishermen and fish farmers of the state. The state has rich reservoir resources,

comprising of 80 reservoirs having a total water spread area (TWSA) of 191310 ha with a effective water spread area (EWSA) of 112013 ha. The fishing rights of reservoirs in the state are either leased out to Fishermen cooperatives societies or by issuing the fishing permits to individual fishermen for conducting fishing operations. Most of the reservoir resources are either under exploited or unmanaged on the scientific grounds for various reasons. These reservoirs are need to be harnessed efficiently for augmenting fish production by taking up innovative fish culture systems like cage culture of suitable fish species. Out of 80 reservoirs of the state, 17 reservoir are suitable for cage culture with EWSA of above 1000 ha and the TWSA and EWSA of these reservoirs are 158617 ha and 93762 ha respectively.

Table 3: List of Reservoirs in Telangana State with EWSA above 1000 ha open for integrated cage culture under CSS BR scheme.

Sl. No.	Name of the Reservoir	District	Mandal	Village	No. of Surrounding Village	TWSA (Ha.)	EWSA (Ha.)
1.	Nagarjuna Sagar	Nalgonda	Peddavoorra	Nagarjuna Sagar	30	12245	11245
2.	Srisailam Back Waters	Nagarkurnool, Wanaparthy, Gadwal	M'nagar	M'nagar		25000	
3.	Singur	Sangareddy	Pulkal	Singur	42	22500	16870
4.	Yellampalli	Karimnagar	Manchiriyal	Gudipet	10	2414	1207

Considering the potential, NFDB proposes to implement Inland Cage Culture project in an integrated approach in collaboration with Department of Fisheries, Govt. of Telangana. Suitable entrepreneurs will be selected through Expression of Interest to set up cages in the suitable reservoirs and to create supporting facilities like hatchery, fish seed rearing units, feed mill, cold chain facility, etc. to make the project self-sufficient and sustainable. The effort will evolve a commercial model that same can be replicated elsewhere in the state.

Accordingly, NFDB requested Department of Fisheries, Govt. of Telangana to provide access rights to NFDB for portion of the selected reservoirs on lease basis to implement the integrated cage culture project. In pursuance, the Govt. of Telangana vide G.O Rt No.144 Animal Husbandry, Dairy Development and Fisheries (V&F) Dated: 28.10.2017 and Government Memo no. 3894/V&F/A2/2017, dt: 13.03.2018 permitted

Commissioner of Fisheries to offer entrepreneurs for the establishment of cage culture in selected reservoirs with certain terms and conditions. Based on these order CoF, Telangana have given consent to lease portion of selected potential reservoirs to NFDB for implementation of integrated inland cage culture project. Accordingly MoU have been signed by the both the parties for leasing of reservoirs for installation of Floating Cage culture Units under GoI funded Blue Revolution Scheme. NFDB now proposed to invite Expression of Interest (EoI) for interested entrepreneurs to take up the integrated cage culture project in the selected reservoirs of Telangana state.

4. NFDB Project: Integrated Inland Cage Culture model

Fish production and productivity of the reservoirs can be enhanced by adopting advanced fish culture systems like cage culture and such systems are very much suitable for the reservoirs with more than 1000 ha Water Spread Area. Moreover, cage farming activity is labor intensive and thus has potential to provide gainful employment for weaker sections, rural unemployed youth of the surrounding villages of the reservoirs. In view of this, NFDB proposed to implement an Integrated Inland Cage culture project in selected reservoirs of inland states of the country on lease basis for making the activity economically and socially viable.

4.1 Objectives:

The Cage Culture project has the following broad objectives:

- i. to augment fish production from reservoirs through cage farming in a responsible manner, without affecting the livelihood of the traditional/local fisher communities;
- ii. to enhance the income and livelihood security of the local fishers,
- iii. to increase per capita fish protein availability in the country;

Now the situation demands that cage culture is seen from a different prospective. Instead of seeing it only as a tool for poverty alleviation, it is better promoted as a commercial activity with active participation of entrepreneurs. Interested entrepreneurs should be encouraged to scale up cage farming with integrated approach, i.e. by developing a host of ancillary activities like seed rearing, feed manufacturing, post-harvest processing &

marketing, etc. in the vicinity of cage culture site. However, engaging local people including the fishermen at cage culture site as well as in need based ancillary activities may be considered for smooth operation of the project. In turn, NFDB will extend the financial assistance to the entrepreneurs as per the norms and will facilitate synergy. If implemented in letter and spirit, it will be a win-win situation both for the local fishermen and the entrepreneurs. With this backdrop, NFDB invites expression of interest from interested and eligible individual/agency/firm/company for fish culture in cages in selected Reservoirs of Telangana State on Lease-Develop-Operate Basis. An integrated Cage culture project for a reservoir will ideally comprise of the following components with total indicative cost of Rs. 785 lakh.

Table 4: Cage culture with integrated approach:

S. No	Particulars	Qty.	Indicative Unit cost	Total (Rs. in lakh)
1	Cage culture			
	Infrastructure (100 cages in 25 batteries of 4 cages each) - Cost includes cage accessories like Cage house/ boats/life jackets/solar systems etc. and maintenance cost	100 cages	Rs. 1 lakh	100.00
	Input cost		Rs. 2 lakh	200.00
2	Hatchery (10 million fry/year)	1 unit	Rs. 25 lakh	25.00
3	Seed Rearing (3 ha)			
	Infrastructure	3 ha	Rs. 6 lakh	18.00
	Input cost		Rs. 1.50 lakh	4.50
4	Feed Mill (5-6 tonne per day)	1 unit	Rs. 200 lakh	200.00
5	Supply chain			
	Ice plant (40 tonne)	1 unit	Rs. 2.50 lakh	100.00
	Cold Storage (40 tonne)	1 unit	Rs. 2.50 lakh	100.00
	Transportation (Refrigerated vehicle of 10 tonne capacity)	1 unit	Rs.25 lakh	25.00
6.	Construction of Landing Centres (landing & berthing platforms, Auctioning platform/hall, net mending shed etc.)	1 unit	Rs. 4 lakh	4.00
7	Procurement of FRP Boats upto 10m OAL & Procurement of Insulated Fish & Ice Holding Boxes.	1 unit & 2 units	Rs 4 lakh & Rs.0.25 lakh	4.50 lakh
8	Other Costs (Awareness, promotion / Consultancy etc.)			3.0 lakh
	Total Indicative Project Cost			785.00

4.2 Submission of DPR and evaluation

Individual/agency/firm/company may consider including above component in their DPR and formulate implementable integrated cage culture project in the selected reservoirs. NFDB have no role in facilitating the land for the need based ancillary units proposed for the project. Entrepreneurs may adopt innovative technologies of cage farming or may come up with their own technical specifications and design. Feasibility studies, time line of the project, implementation strategy, and detailed cost estimates, quotations, technical, financial, economic aspects and anticipated output and outcome of the project etc. are needed to be furnished in the DPR. Entrepreneur need to submit the Detailed Project Report as per the (Format-4) along with application.

4.3 Pattern of Financial Assistance:

The project shall be implemented in accordance with the financial norms laid down in Central Sector Scheme on Blue Revolution: Integrated Development and Management of Fisheries, 2016. NFDB will facilitate financial assistance for the project as per the norms of CSS BR Guidelines, the rest of the project cost shall be borne by the successful applicant. The training cost will be borne 100% by NFDB as per norms of the skill development programmes.

4.4 Institutional arrangements:

NFDB have taken a portion of the potential reservoir on lease from Telangana State for implementation of the project. Telangana state will extend help in selection of reservoirs/ cage culture sites and formulated policies for the promotion of cage culture in reservoirs. NFDB have technical collaboration with ICAR-CIFRI for promotion of cage culture activities in the country. ICAR-CIFRI is a pioneer research institute which developed and standardized the technology for inland cage culture in the country. Applicants may approach ICAR-CIFRI for the identification of suitable sites in the reservoirs, technical support and hands on training for the cage culture activities. NFDB may organize training programmes with the technical support of ICAR-CIFRI at the project site to beneficiaries/local fishermen communities of surrounding villages of reservoir on the cage culture activities.

4.5 Implementation Module:

- Typically, 100 cages shall be installed in a reservoir as a unit. Such multiple units in suitable and identified sites in reservoirs may be setup.
- Entrepreneurs may come up with their own design, components, innovative technologies which is equivalent to the total volume proposed in this model. DPR shall be submitted to NFDB along with the application.
- The entrepreneur shall ensure backward and forward linkage facilities like establishment of fish seed hatchery, Feed mill, processing & supply chain etc. in their DPR
- Application and DPR will be evaluated by the technical committee appointed by NFDB.
- The entrepreneur shall adhere to the timeline stipulated by the committee for implementation of the project.
- On completion, NFDB team will inspect, assess and recommend for release of subsidy, if found in order.
- Based on the recommendations, the Competent Authority will release eligible financial assistance to the entrepreneur as per existing Blue Revolution Scheme norms.

4.6 Indicative Timeline of the Project: (1st Year)

Particulars	Months											
	1	2	3	4	5	6	7	8	9	10	11	12
Selection of Entrepreneur's (EoI) & Scrutiny of DPR												
Site Selection, Statutory Clearance and Sanction												
Procurement of cage materials & Cage Installation												
Procurement of fish seeds & stocking												
Nursery rearing												
Grow out Rearing												
Harvesting & Marketing												

5 TERMS OF REFERENCE (ToR)

For taking up fish culture in cages with an integrated approach in selected reservoirs of Telangana State on Lease – Develop – Operate Basis under NFDB, Hyderabad

5.1 Application Terms:

1. The cage culture application is on Lease-Develop-Operate Basis.
2. Implementation model is specified in chapter (4) above is subject to change as per the evaluation of DPR submitted by the applicant.
3. Application processing fee of Rs.2000/- shall be paid through any nationalized bank through Demand Draft (DD) in the name of National Fisheries Development Board and Demand Draft should be enclosed with application.
4. Earnest Money Deposit (EMD) of Rs. 50,000/- (Fifty Thousand Only) shall be paid through any nationalized bank through Demand Draft (DD) in the name of National Fisheries Development Board and Demand Draft should be enclosed with application.
5. Applications without processing Fee, EMD and incomplete applications will summarily rejected.

5.2 Eligibility Criteria:

1. Applicant shall have a minimum experience of 5 years in large-scale fish culture in reservoir or pond aquaculture.
2. The Applicant should have the financial capacity to invest a minimum of Rs. 50 lakh. In this regard the Applicant shall produce a ``**Solvency certificate**'' for more than Rs.50 lakh from the bank.

5.3 Selection Criteria:

1. Technical committee constituted by NFDB will evaluate the applications and DPRs submitted by the applicants and shortlisted the applicant's next stage of evaluation.
2. Shortlisted applicants will be invited to make a detailed presentations before the committee for further evaluation before finalizing the selection of entrepreneurs.
3. Based on the committee report, the selected candidates shall submit "Request for Proposal" (RFP) for actual implementation of the project.
4. The decision of the committee members will be final in the selection process.

5.4 Reservoir Lease Terms:

1. NFDB will lease out selected sites at medium and large Reservoirs (Listed in Chapter 3) for culture of fishes in cages for a minimum of **5 years** and a maximum period of **10 years**.
2. A Lease amount of Rs 50 per cubic meter volume per annum has been fixed. For the remaining years lease amount shall be increased annually by 5 percent of the lease amount of previous year.
3. Successful applicant shall provide a Bank Guarantee of **Rs.2.00 lakh** to NFDB during the time of lease agreement.
4. Subleasing of the leased unit is strictly prohibited.
5. Successful applicant shall pay the first year lease amount with Bank guarantee along with the agreement. Lease amount of the remaining years shall be paid in the beginning of the next consecutive year and shall obtain renewal order from NFDB.
6. The lessee should give minimum 50% of employment to the reservoir dependant fishermen for the project.
7. NFDB shall have the power to cancel the lease order if the cage unit causes in case of any violation of lease agreement or due to changes in Government Regulations with respect to reservoir management or any other environmental concerns or public interest activities in the location.
8. The Leased Cage culture site shall be utilised for Fish culture only. It shall not be used for any other commercial purposes like Tourism or sports Fisheries etc. In such case lease will be cancelled.
9. The dumping, throwing of any type of wastages, dead fish or their viscera in to the reservoir which pollutes the quality of water shall not be allowed.
10. In case, any disease incidence is noticed in cages, all precautions should be taken to prevent and control it and the dead fish shall be disposed safely burying/ burning them at a faraway place from the reservoir so that disease does not spread to the cages or other fishes in the reservoir.
11. The species of Fishes permitted by the Government of Telangana only shall be reared in floating cages. If any illegal varieties or culture of banned varieties is noticed in the cages, lease will be immediately cancelled and shall attract legal measures from the concerned.

12. NFDB shall not pay any compensation for any loss/damages caused due to any natural calamity or any other causes. The lessee alone will be responsible for any damage/loss incurred.
13. NFDB financial assistance will be as per the CSS-Blue Revolution Norms. (Refer website link: <http://dahd.nic.in/sites/default/files/Guidelines.BR-30616.Fisheries.pdf>)
14. Fish culture shall be taken up within 6 months after obtaining the unit on lease, otherwise lease will be cancelled.
15. Marketing of the fish produced from cage culture project is the sole responsibility of Lessee.
16. Lessee shall provide information in stipulated format to NFDB regarding, seed stocking, fish catch, marketing & income details of each crop.
17. Any issues regarding implementation of the scheme shall be sorted out by discussing with NFDB. In case of any irreconcilable differences, this decision of the Secretary, DADF shall be final and lessee shall abide by it.
18. NFDB officials/ Concerned Department of Fisheries officials shall have the access to the unit whenever required.
19. NFDB shall have right to cancel the lease if any of above Terms of References found to be violated by the lessee.
20. Permission for cage culture will not be granted in the reservoir area coming under reserve forest, Wild life zone, national parks where public entrance is prohibited under any Government Notifications or Law.
21. Successful applicant shall submit an agreement on Rs.200/- judicial stamp paper stating that he / she will abide by the above said terms and conditions.
22. The Lessee may use craft for to and fro movement of staff, feed, seed and harvested fish and work station.
23. The NFDB or State Government is in no way liable for the damages / compensation / relief claimed by the individual/agency/firm/company to whom permission to install cages in the water body leased out is given.
24. The Lessee is liable for payment of compensation to the reservoir fishermen in the event of indulgence in activities inimical to the interests of the reservoir fishermen.
25. The Lessee shall abide by the Terms & Conditions stipulated periodically by the Government. The lease amount & Security Deposit shall be forfeited in case the lessee decides to discontinue the lease before completion of lease period.

5.5 Compliance to existing Govt. Notifications and Guidelines:

1. While implementing the project, the First Party will abide by the terms and conditions stipulated by the Govt. of Telangana vide G.O Rt No.144 Animal Husbandry, Dairy Development and Fisheries (V&F) Dated: 28.10.2017 and Government Memo no. 3894/V&F/A2/2017, dt: 13.03.2018.
2. The guidelines issued by the DADF, Govt. of India vide Office Memorandum No. 31013/13/2017-Fy(3) dated 6th July 2017 to all states for installation of cages under Blue Revolution Schemes.
3. National Fisheries Development Board have all the rights to modify any portion of EoI or withdraw or cancel the entire process at any stage during the process of implementation of the project.



सत्यमेव जयते

राष्ट्रीय मात्स्यकी विकास बोर्ड
National Fisheries Development Board
पशुपालन, डेयरी एवं मत्स्यपालन विभाग
Department of Animal Husbandry, Dairying & Fisheries
कृषि मंत्रालय, भारत सरकार
Ministry of Agriculture, Government of India
स्तम्भ संख्या -235, पी. वी. एन. आरएक्सप्रेसवे, डाक- एस. वी. पी. एन. पीए, हैदराबाद- 500 052
Pillar No: 235, PVNR Expressway, SVPNPA Post, Hyderabad-500 052
फ़ोन/ Phone No. 040- 2400 0201; फ़ैक्स/Fax No: 040-2401 5568



वेबसाइट/website: nfdb.gov.in

No.2012/NFDB/ICC-ADMIN/2017-18

Date: 17/05/2018

INVITATION FOR EXPRESSION OF INTEREST (EoI)

National Fisheries Development Board (NFDB) invites sealed Expression of Interest (EoI) for taking up fish culture in cages with an integrated approach in selected reservoirs of Telangana State from interested and eligible individual/agency/firm/company on Lease-Develop-Operate Basis. 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 18/06/2018 by 14:00 Hrs. The EoI document containing the details of criteria, submission requirement, objective, scope of work etc. is enclosed.

Last date for submission of EoI is 18th June 2018 upto 1400 hrs.

Sealed envelope marked to the below address, containing EoI with all relevant documents may be submitted mentioning "EoI for Integrated Fish culture in cages in selected Reservoirs of Telangana State to National Fisheries Development Board, Hyderabad" on the top of the envelope containing the document.

Calendar of Events

S. No.	Item	Dead Line (Date & Time)
1.	Publishing Date	21/05/2018
2.	Document Download Start Date	21/05/2018 11:00 Hrs
3.	Bid Submission End Date	18/06/2018 14:00 Hrs
4.	Bid Opening Date	20/06/2018 11:00 Hrs

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

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

S/d
Chief Executive
National Fisheries Development Board
Hyderabad

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) “For taking up fish culture in cages with an integrated approach in selected reservoirs of Telangana State” on Lease-Develop-Operate Basis.

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
- b) Declaration of the Applicant: Format-3.
- c) Detailed Project Report (DPR) Format-4

Sincerely Yours,

Signature of the applicant
[Full name of applicant]

Date:

Encl.: As above.

Format-2

Application for setting up of cage culture with an integrated approach

Sl. No	Particulars sought from the applicant	Information furnished by the applicant
(1)	(2)	(3)
1	Name and address of the company/ firm (IN BLOCK LETTERS):	
2	Address for communication Telephone Fax Mobile: E-mail:	
3	Details of the area where cage culture activity is proposed to be taken up: Name of the Reservoir: Details of the proposed construction works of cage farms. (Design details/engineering works to be submitted): Number of cage units as per the indicated model above Dimensions of each cage: Maximum fish holding capacity in each cage: Details of other structures including floats, anchors, watch towers, light-buoys: Details of boats for transporting men and material to and fro:	
4	On-site facilities for the cage farm: Details of the area where the on-shore facility is proposed to be taken up Ownership (whether free hold or open lease): If on lease, details and duration of lease:	
5	Details of the proposed construction works of on-shore facility. (Design details/engineering works to be certified and approved by the Competent Authority): Species and source of fry: Details of the holding facility for the seed (fry to fingerling): Details of feed to be used for fry: Storage facility for feed (for rearing and seed cultured fish): Frozen / Chilled storage facility for harvested fish: Details of mechanized/motorized crafts for transporting men and material to and fro: On-site laboratory for monitoring water quality parameters and disease diagnosis in the cage farm site:	
6	Whether the assistance for the cage culture has been sought under any other scheme of the Central/State Government? If so, please provide the details:	
7	Whether the Company/Firm is in default of payment to any financial institution/State Government for loan/assistance availed earlier. If yes, please provide the details and the reasons for default:	

8	Estimates regarding input cost:	
	Species to be cage cultured:	
	Stocking density (please specify the stage of stocking – fry/fingerling) – numbers per cubic meter of cage:	
	Cost of seed (Rs. per thousand):	
	Source of procurement:	
	Transportation cost (Rs. Per thousand):	
	Details of feed to be used, its quantity and cost:	
	Source of procurement of feed:	
	Transportation cost of feed from on-shore facility to the cage culture site:	
	Number of culture cycles per year:	
	Salaries/wages:	
	Harvesting cost:	
	Operational cost for the on-shore facility:	
9	Qualification of applicant Experience of the applicant in the cage culture, fish culture and details of training(s) undergone so far: (Provide Documents)	
10	Details regarding economics of operation:	
11	Whether any financial tie up has been made for availing Bank loan, if so please provide the details:	
12	Expected date of operation of the farm and tentative schedule of activities:	
13	Marketing tie up (Provide details)	
14	Source and number of labor employed for construction as well as day-to-day culture operations (man days per year):	
15	Enclose solvency certificate of Rs.50 lakhs from the bank as a proof of financial capacity to invest for developing floating cages Enclose applicants details of business turnover in the field of fisheries or fisheries related sector	
16	Details of Application Fee: Amount, Demand Draft number, Date, Bank name.	

Declaration of Applicant:

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

Date:

Place:

Signature:

Format-3

Declaration by the Authorized Signatory of the individual/agency/firm/company

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 NFDB, any
action as deemed fit for violation of this condition may be taken against me/ us.

Date:

Place:

Signature of the applicant (s)

PS: Please enclose details in additional pages if required

Format- 4

Detailed Project Report (DPR) Format

S. No.	Contents	Points to be covered
1	Project Title	-
2	Introduction & Rationale	Background information, need, justification
3	Specific Objectives	Objectives pertaining to the component
4	Site Details	
5	Implementation Strategy	
6	Components Abstract	Salient features of the component, activities
7	Project Feasibility	Resource, Production, Marketing and Consumption
8	Time line of the Project	
9	Financial Arrangements/Lease Agreements/Linkages/ Marketing tie ups etc.	
10	Technical Details	Design, layout, specifications, inputs, SOP, GMP, etc.
11	Details about adoption of any new technology/innovation in methodology etc.	
12	Details of technical collaborations/national or interactions consultancy if any	
13	Financial Details	Unit cost (Capital & Recurring cost); Profitability
14	Economic Analysis	IRR, Cost Benefit Ratio, NPV, Sensitivity Analysis
15	Output and Outcome	Production, Employment and Revenue Generation
16	Anticipated Impact	Economic, Social and Environmental impact
17	Conclusions	-
18	Annexures/supporting documents	To attach