



**GOVERNMENT OF SINDH  
LIVESTOCK & FISHERIES  
DEPARTMENT**

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**NOTICE FOR CONSULTANCY SERVICES**

The Livestock & Fisheries Department, Government of Sindh, require consultant through reputable national or international consultant firms or individual having vast experience nationally and internationally. The qualification, period & experience required are as under;  
**"Introduction of culture of High value Brackish water fish in Sindh".**


- Period of consultancy
- 18 man months (July 2014 & onwards)

**Qualification:**

1. Master / Bachelor in Aquaculture with minimum of 10 years experience in breeding and culture of different species of brackish water fishes particularly in Southeast Asian countries.
2. Fluent in English, willing to travel and stay in remote area of Sindh and can work with minimum team

**Terms & Conditions:**

1. The detail TOR & other relevant information for each consultant can be had from Director Fisheries Sindh (Inland) Thandi Sarak Hyderabad Sindh Pakistan, on payment of Rs.1000/- on any working day.
2. The interested firm / individual should submit their proposal to Director General Fisheries, Sindh Karachi Block-50 Pakistan Secretariat Saddar Karachi before or on 22.04.2014 by 11.30 AM and will be opened on the same day at 12.30 PM.
3. The amount will be paid in Pak rupees to consulting firm or individual and an agreement will be executed with Government prior to start of consultancy. The amount will cover lodging & boarding expenses of consultant. **The Consultants will stay at Thatta / Badin.**
4. The Period of consultancy may be reduced, enhanced or changed at any time without any reason.
5. Consultant must be fluent in English, willing to travel and stay in remote area and can work with minimum team.
6. The Department reserve the right to cancel / withdraw from the consultancy at any time without prior notice as PPRA rules 2010.

  
**(G.M. Wadahar)**  
Director Fisheries Sindh  
Inland, Hyderabad

**Director Fisheries Sindh  
Inland Hyderabad**

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## **Qualification and Terms of Reference for Brackish water fishes Breeding Consultant / Master Trainer**

### **Qualification:**

1. Master / Bachelor in Aquaculture with minimum of 10 years experience in breeding and culture of different species of brackish water fishes particularly in Southeast Asian countries.
2. Fluent in English, willing to travel and stay in remote area of Sindh and can work with minimum team

### **Terms of reference:**

1. Shall make hatchery and rearing arrangements for suitable species of Brackish water fishes.
2. Shall carryout breeding operations of different species of Brackish water fishes.
3. Shall responsible for supervising and advising suitable feed and feeding techniques for larvae, juveniles and adult brackish water fishes.
4. Shall assist in selection of suitable species of Brackish water fishes for stocking in ponds for culture.
5. Shall supervise, perform and demonstrate all grow out activities of brackish water fishes.
6. Shall capable to train staff of Sindh Fisheries Department in breeding and culture of different species of Brackish water fishes and control of its potential diseases.
7. Shall conduct trainings of trainers for Brackish water fishes village ponds.
8. Will submit periodical reports to Sindh Fisheries Department on progress, problems and prospects of Brackish water fishes breeding and culture in project area.
9. Will submit training manual in respect of breeding and culture of Brackish water fishes.

  
**Director Fisheries Sindh**  
Islamabad Hyderabad


## **JOB DESCRIPTION**

### **BRACKISH WATER FISH BREEDING CONSULTANT / MASTER TRAINER** **(18 MAIN-MONTHS, INTERNATIONAL / NATIONAL)**

The consultant / master trainer must have qualification of Master / Bachelor in relevant field with 10 years experience in South East Asian countries.

Se/he will develop a work plan to commence the assignment mentioned below. The work plan will have clearly defined targets and monitoring indicators and will be implemented after approval by the Sindh Fisheries Department. The expert's tasks include but not limited to:

- i. Prepare methodology and work plan for the assignment.
- ii. Assess viability of Hatcheries at Badin, Thatta, Garho and Hawksbay for breeding of brackish water fishes.
- iii. Recommend suitable sites for establishment of brackish water fish hatcheries on along Sindh Coast.
- iv. Prepare line plan, designs and drawings for establishment of brackish water fish hatcheries on along Sindh Coast.
- v. Prepare protocols for operation of brackish water fish hatchery including bio security measures.
- vi. Prepare seed production targets requirements for inclusion in PC-I.
- vii. Recommend selection of suitable finfish species, selection of brood fish, and its feed;
- viii. Assist in feeding & maintenance of Brood stock, spawning, rearing of fish larvae, fingerling and grow out phase, harvest techniques, cleaning and disinfection of tanks / ponds, monitoring of fish health disease diagnosis and recommendation of medicines;
- ix. Design system for suitable feeding monitoring of fish health, and maintenance of brood stock, spawning, fry development, grow out and check water quality parameters;
- x. Assist the Sindh Fisheries Department and provide on-job training to staff of 3 hatcheries (Badin, Thatta (Garho), and Hawksbay) in all hatchery functions particularly, collection of brooders, transportation, feeding, breeding, disease diagnostic & cure, rearing of fish larvae & fry and growing of fish and reporting systems that allow harmonized reporting.
- xi. Apply modern aquaculture technique for continued improvement in finfish culture operations.
- xii. Preparation of brackish water fish hatchery operation manual
- xiii. Preparation of Training Manual.
- xiv. Submit monthly reports.
- xv. Submit Midterm Reports.
- xvi. Submit Quarterly Reports.
- xvii. Submit Final Report.
- xviii. Prepare assignment completion Report.

  
**(G.M. Wadahaar)**  
 Director Fisheries Sindh  
 Inland, Hyderabad

**Director Fisheries Sindh**  
**Inland Hyderabad**