

C.No.TNSWA1 / 293 /2023

Office of the Principal Chief Conservator  
of Forests and Member Secretary,  
NO.1, Jeenis Road, Panagal Maaligai,  
Saidapet, Chennai – 600 015.

Dated 04.08.2023

### **REQUEST FOR EXPRESSION OF INTEREST**

As part of the implementation of Tamil Nadu Wetlands Mission, the request for Expression of Interest is invited from the experienced Institution/ Resource organization/ Agency/Firms for taking up the following work.

- I. Preparation of Integrated Management Plan along with DPR for “State of Art Wetland Conservation and Ramsar information Center” for the ecological restoration of Ramsar sites and for promoting awareness and low impact responsible eco-tourism and livelihood opportunities of the local communities for below mention 3 Ramsar sites under Tamil Nadu wetlands Mission.**

S.No	Ramsar Sites name	Area in ha.
1	Pichavaram Mangrove, Cuddalore	1478.64
2	Karikili Bird Sanctuary	58.44
3	Vaduvur Bird Sanctuary	112.64

Under Tamil Nadu wetlands Mission, the Expression of Interest (EOI) is invited to prepare for **Integrated Management Plan along with DPR for “State of Art Wetland Conservation and Ramsar information Center”** for the ecological restoration of Ramsar sites and for promoting awareness and low impact responsible eco-tourism and livelihood opportunities of the local communities for 3 Ramsar sites i.e. Pichavaram Mangrove, Karikili Bird Sanctuary and Vaduvur Bird Sanctuary under Tamil Nadu Wetlands Mission. Details of this Expression of Interest is available in Web portals [www.tnswa.org](http://www.tnswa.org) and [www.tnforests.nic.in](http://www.tnforests.nic.in)

Therefore, interested experienced Institution/ Resource organization/ Agency/Firms may offer their detailed proposal along with methodology and work plan within period of 15 days before on 25.08.2023.

The proposals will be examined and the outcome will be intimated about the terms and conditions of the work, after the approval of the Principal Chief Conservator of Forest and Member Secretary, Tamil Nadu State Wetland Authority.

## **1. PROJECT AREA:**

Expression of Interest is invited from the consultants who can to prepare Integrated Management Plan along with DPR for “State of Art Wetland Conservation and Ramsar information Center” for the ecological restoration of Ramsar sites and for promoting awareness and low impact responsible eco-tourism and livelihood opportunities of the local communities for 3 Ramsar sites i.e. Pichavaram Mangrove, Karikili Bird Sanctuary and Vaduvur Bird Sanctuary under Tamil Nadu Wetlands Mission. The Integrated Management Plan shall be prepared as per the Wetlands (Conservation and Management) Rules, 2017, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 and Guidelines for National Plan for Conservation for Aquatic Ecosystem. Proposed conservation site and the eco-tourism facilities shall be created at above mention Ramsar sites, without disturbance to its ecosystem, biodiversity and ecology. Mangrove areas and shouldn't violate any rules or regulation made for its conservation and management like Forest Conservation Act 1980, Environmental Protection Act 1986, Wetland Conservation and Management rules 2017, Tamil Nadu Forest Act 1882, Wildlife Protection Act 1972 and any related laws, acts, rules and regulations etc.

## **2. SCOPE OF WORK:**

### **2.1 Background**

Wetlands are one of the most embedded and interlinked ecosystems with human livelihoods and well-being. A balanced management approach, addressing biodiversity conservation values while providing for sustainable utilisation in a way compatible with the maintenance of natural properties of the ecosystem, needs to be adopted for these ecosystems. It is, therefore, recommended that management of each notified wetland (is guided by an “Integrated Management Plan”. The plan refers to a document which describes strategies and actions for achieving ‘wise use’ of the wetland and includes objectives of site management; management actions required to achieve the objectives; factors that affect, or may affect, various site features; monitoring requirements for detecting changes in ecological character and for measuring the effectiveness of management; and resources for management implementation. Besides identifying resources, a management plan serves several important functions including

generating baseline information, communication with stakeholders and ensuring compliance with regulatory frameworks and policy commitments.

## **2.2 Broad planning principles for formulating integrated management plans**

While it is recognized that each wetland has its own distinctive ecological and hydrological features and thereby distinctive management needs, the following broad planning principles need to be kept in mind while formulating integrated management plans:

- **Integrated planning:**

Aquatic and terrestrial ecosystems are intimately linked by the process of the water flowing through them. Every land use decision has a consequence on water availability. Delineating a basin or a coastal zone enables demarcation of a distinct hydrological unit which is the natural integration of all hydrological processes within its boundary and therefore an ideal and rational unit for soil, water and bio-resources conservation and management. Thus, management planning for wetlands should not be restricted to a defined administrative boundary, but rather take into account the wider planning and management context of the basin or coastal zone within which the site is located.

The process of development and implementation of management plans for wetlands often needs to be accompanied by governance improvements at basin and coastal zone level. Such an approach underpins Integrated Lake Basin Management framework that calls for achieving ‘sustainable management of wetlands through gradual, continuous and holistic improvement of basin governance, including sustained efforts for integration of institutional responsibilities, policy directions, stakeholder participation, scientific and traditional knowledge, technological possibilities, and funding prospects and constraints.

Achieving close relationship between planning and governance is critical, considering multiple stakeholder and sectoral interests which underlie and, to a large extent, structure wetland biodiversity and ecosystem service values, and the need to secure people’s involvement and participation in basin-scale management for considerably long periods of time.

Reflection upon the following six pillars of basin-scale governance may thus be useful:

- Institutions: Development of effective organisations and governance frameworks
- Policies: Setting broad directions and specific rules

- Participation: Expanding the circle of involvement
  - Technology: Possibilities and limitations
  - Information: Pursuing sources of knowledge and wisdom, and
  - Finance: Seeking sustainable sources at the appropriate level
- **Use of diagnostic approaches for defining management approach and actions:**  
 Given the uniqueness associated with each wetland, it is important that 'one size fit all' approach is replaced with a diagnostic approach, wherein the ecological, hydrological, socioeconomic and institutional features are comprehensively assessed and trends therein determined to be able to spell out management objectives and actions clearly.
  - **Adaptable management:**  
 Wetlands are influenced by a range of drivers and pressures that act at multiple spatial, temporal and political scales. Their management plan, therefore, needs to be accommodative of uncertainties and challenges. This can be achieved by using an adaptable management approach that allows for suitable modification of management based on continuous site monitoring and assessment of new information.
  - **Stakeholder participation:**  
 The condition of any wetland is an outcome of actions by a range of stakeholders, which are linked to the ecosystem in a number of ways. Management planning, therefore, needs to recognise these linkages, and build a mechanism for participation of stakeholders in design, review and implementation processes.
  - **Governance:**  
 Being located at the interface of land and water, wetlands are influenced by a range of developmental activities that take place within their direct and indirect basins and coastal zones. Institutional arrangements for managing wetlands need to be such that they are capable of integrating activities across multiple sectors (such as agriculture, water resources, forests, rural development, urban development, forests and wildlife and others), and balancing the needs of a group of diverse stakeholders while ensuring that ecological integrity of these fragile ecosystems is not adversely affected. In the above

context, association of entities or individuals as ‘Wetland Mitras’ can encourage stakeholder participation and overall governance.

**2.3. An integrated wetlands management plan is required to be formulated based on the following steps,** thus enabling a systematic diagnosis of wetlands features and their governing factors to arrive at management objectives and activities.

Step 1	Preamble	Concise policy statement describing the rationale for the application of human, technical and financial resources for the wetland management
Step 2	Description of wetland features	Collation and synthesis of data to describe: wetland location and extent, catchment, hydrological regimes, biodiversity, ecosystem services, socioeconomic and livelihoods
Step 3	Evaluation of wetland features	Based on the description of features, identification of priority wetland features that need to be maintained, and key threats that adversely affect these features
Step 4	Institutional arrangements	<ul style="list-style-type: none"> <li>• Provide an overview of the current institutional arrangements in the context of wetlands management;</li> <li>• Discuss why the current institutional arrangements are insufficient in ensuring wetlands conservation and wise use;</li> <li>• Propose institutional arrangement for wetland management, with specific focus on: <ul style="list-style-type: none"> <li>a) Nodal Agency</li> <li>b) Role of various departments and agencies and coordination mechanism, and</li> <li>c) Role of civil society and communities.</li> </ul> </li> <li>• Develop an organogram for management plan implementation.</li> <li>• Regulatory regime specifying activities prohibited within wetlands, activities to be regulated within wetlands and zone of influence and regulation thresholds and activities permitted</li> </ul>
Step 5	Setting Management Objectives	<ul style="list-style-type: none"> <li>• Provide a statement of the overall goal that the management plan seeks to achieve;</li> <li>• Summarize the ecological and economic benefits that are expected from management plan implementation;</li> <li>• Enlist specific objectives;</li> <li>• Describe strategy(ies) for achieving each of the management objectives;</li> <li>• Provide a strategy for implementing regulatory regime – including list of activities liable to be prohibited, regulated and permitted within the wetland (wetlands complex)</li> </ul>
Step 6	Monitoring and Evaluation Plan	<ul style="list-style-type: none"> <li>• Present an overview of monitoring the wetland, and management plan implementation;</li> <li>• Describe monitoring parameters, the frequency of monitoring and the agency that will be responsible for monitoring;</li> <li>• Describe how coordination between different monitoring agencies will be achieved;</li> <li>• Discuss the infrastructure and human resource requirement for implementing the management plan. (As far as possible, include local universities, research organizations and NGOs in wetlands monitoring);</li> <li>• Discuss the frequency in which reporting shall be done and the responsible agency; Discuss how the monitoring outcomes will be used to adapt management</li> </ul>
Step 7	Action Plan	Listing of management components and specific activities to achieve management objectives. For each activity, implementation location, prioritisation, implementing agency and timeline should be specified.
Step 8	Budget	Assessment of financial resources required for implementing the management plan and sources of funds.

A description of each step and format for the compilation of integrated management plan is at Annex 4 of the COMPENDIUM of Wetlands (Conservation and Management) Rules, 2017, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 and Guidelines for National Plan for Conservation for Aquatic Ecosystem.

- The management plans should be presented to the Wetlands Authority.
- The diagnostic management planning process, as described above, may also be used to guide management of wetlands excluded from notification under Wetlands Rules.

**2.4** Along with Integrated Management Plan, the interested experienced Institution/ Resource organization/ Agency/Firms shall have to prepare “State of Art Wetland Conservation and Ramsar information Center” for promoting awareness and low impact responsible eco-tourism using green and blue infrastructure and livelihood opportunities of the local communities for above mentioned 3 Ramsar sites i.e. Pichavaram Mangrove, Karikili Bird Sanctuary and Vaduvur Bird Sanctuary under Tamil Nadu Wetlands Mission.

Followings are the guidelines for “State of Art Wetland Ramsar Conservation and information Center” for creation of low impact responsible eco-tourism activities.

- Preparation of concept design.
- Design for Green & Blue infrastructure facilities includes the following :-
  - Design of Wetland Conservation and Ramsar information Centre
  - Design of signages and their appropriate location.
  - Visitors Orientation Center
  - Visitors amenities including Drinking Water, eco-friendly Cafeteria and sanitation facilities
  - Walkway though the Mangrove area on the Deck (passage of Boats shall be there and ecological flow of water should not be impacted) (wherever required)
  - Observation Tower
  - Information Signage for bird watching with QR code
  - Mangrove Interpretation center in Pichavaram (based on AR- Augment Reality) (wherever required)
- While executing the DPR, it shall be ensure that the promoting following aspect are follow scrupulously:-

- Construction material/Equipment suggested should be nature based and locally available for low impact and responsible ecotourism.
- Preparation of Site Plan for the Tourist Facility Center
- Preparation of 3D model with walk through for the project (wherever required)
- Preparation of Conceptual, Architectural Design, Structural Design and working drawings
- Preparation of electrical sanitary, plumbing, drainage, water supply and sewage network plan
- Preparation of BOQ and Estimation as per SOR provided by Local body
- Preparation of EIA (Environment Impact Assessment) and SIA(Social Impact Assessment) (wherever required)
- Suggestion for Communities participation for enhancement of their livelihood and awareness for conservation and preservation
- All the infrastructure suggested should be ecofriendly structures for promoting low impact responsible ecotourism.

### **3. ESTIMATED COST:**

Cost of above mentioned works i.e. Integrated Management Plan along with DPR for “State of Art Wetland Ramsar Conservation and Ramsar information Center” for the ecological restoration of Ramsar sites and for promoting awareness and low impact responsible eco-tourism and livelihood opportunities of the local communities for 3 Ramsar sites i.e. Pichavaram Mangrove, Karikili Bird Sanctuary and Vaduvur Bird Sanctuary should not be above Rs.25.00 lakhs inclusive of GST.

### **4. DURATION OF WORK**

The entire work should be completed and Submitted for the above mention 3 Ramsar sites with the approval of the Principal Chief Conservator of Forests and Member Secretary, Tamil Nadu State Wetland Authority within 6 months from the date of issue of Work Order.

### **5. GENERAL INSTRUCTION FOR EOI**

- The consultancy firm is expected to prepare IMP and DPR, the cost includes the designing cost with various taxes, duties and charges as may be applicable.
- Tamil Nadu State Wetland Authority have the right to call for clarification /

original copies of the supporting documents for verification, as deemed fit and also to cross check for any details as furnished by consultancy firms. Consultancy firm shall have no objection what so ever in this regard.

- Attached is the prescribed format of qualifying details. Interested parties may use this format & add additional information as part of annexure, if they need to.
- The offer shall contain hard copy of IMP, DPR, complete documents & proposed planning, presentation document in various Government / Public sector companies.
- Applications without required information or enclosures are liable to be rejected.
- Tamil Nadu State Wetland Authority reserves the right to accept any or reject all the EOIs at their sole discretion without assigning any reason thereof.

## **6. SELECTION OF AGENCY**

The selection of Agency shall be based on the evaluation criteria mention under section 7 and the presentation before Principal Chief Conservator of Forests and Member Secretary, Tamil Nadu State Wetland Authority.

## **7. EVALUATION**

Bid Process Criteria (EOI Stage) for Selection of Bidders for conceptualization and designing of signage on phase mode.

### **Stage – 1: Invitation of EOI**

Expression of Interest (EOI) is invited in prescribed format for understanding the response from the firms. Interested firms shall submit their offer to Tamil Nadu State Wetland Authority on or before 25th August, 2023 before 5 p.m.

### **State – II : Short listing of EOIs**

The selection process will include the submission of 2 bid system.

#### **Criteria 1 :**

Technical Bid: Submission of proper documents and previous design concepts by Tamil Nadu State Wetland Authority.



**Criteria 2 :**


Financial Bid: Financial Bid to be submitted in a sealed envelope and only those bids will be opened whose technical bid will be selected.


The technical criteria and financial criteria shall be given equal weightage of 50:50 percentages.

**8. SUBMISSION OF EOI**

The EOI to prepare proposal **Integrated Management Plan along with DPR for “State of Art Wetland Ramsar Conservation and Ramsar information Center”** for the ecological restoration of Ramsar sites and for promoting awareness and low impact responsible eco-tourism and livelihood opportunities of the local communities for 3 Ramsar sites i.e. **Pichavaram Mangrove, Karikili Bird Sanctuary and Vaduvur Bird Sanctuary** under Tamil Nadu Wetlands Mission the Expression of Interest is invited from the experienced Institution/ Resource organization/ Agency/Firms should reach in the address given below on or before 25<sup>th</sup> August, 2023 before 5 p.m. **The EOI should contain brief details of the Institution/ Resource/ organization/ Agency/Firm’s profile including previous projects undertaken by the them.**

**Principal Chief Conservator of Forests and Member Secretary,  
Tamil Nadu State Wetland Authority  
Panagal Maaligai,  
Saidapet, Chennai – 15.**

  
Principal Chief Conservator of Forests and  
Member Secretary  
Tamil Nadu State Wetland Authority

  
04/08/2023



## QUALIFYING FORMAT

(To be submitted on the letter head of Prospective Bidder)

Date:

To

The Principal Chief Conservator of Forests and Member Secretary,  
Tamil Nadu State Wetland Authority,  
No.1, Jeenis Road, Panagal Maaligai,  
Saidapet,  
Chennai – 600 015.  
Tamil Nadu, India.

Dear Sir,

Sub: Invitation for Expression of Interest proposal to prepare for **Integrated Management Plan along with DPR for “State of Art Wetland Ramsar Conservation and Ramsar information Center” for the ecological restoration of Ramsar sites and for promoting awareness and low impact responsible eco-tourism and livelihood opportunities of the local communities for 3 Ramsar sites i.e. Pichavaram Mangrove, Karikili Bird Sanctuary and Vaduvur Bird Sanctuary** under Tamil Nadu Wetlands Mission - Regarding

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With reference to the above advertisement, we hereby file this “Expression of Interest (EOI)” to undertake the designing of this project either individually or as a consortium.

We undertake that this is and initial expression of interest on our part and mere submission of this EOI does not entitle us to receive any documents or be invited to bid for this project.

Name and details of Applicant and its representative authorized to file this EOI	
Full Name	
Designation	
Name of Organization	
Address	
Phone	
Fax	

Mobile	
Email	
Website	
Technical Competence along with the credentials of the Institute / Centre / Agencies :	

Work done in context of conservation activities: *

Note : \* Applicants shall attach documents / brochures and give more details which the Institute / Centre / Agency feel necessary to justify profile.

I / We declare that the information stated here in above is accurate.

Signature :

Full Name :

Designation :

Designs : *

Financial Bid :

Organization :

Address :