

Dated 03.03.2023.

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

Under the "Tamil Nadu Wetlands Mission", the collection of data on hydrological and edaphic factors including the sediments stored in the wetland is proposed to be undertaken to estimate the ecological and hydrological characters including the analysis of soil / sediment carbon, methane and nitrous oxide for preparing the brief documents and health cards of 50 wetlands.

As part of the implementation of Tamil Nadu Wetlands Mission, the request for Expression of Interest is invited from the experienced Institutions / Organizations for taking up the following works.

**1. Preparation of brief documents and health cards for 50 Wetlands for wetland notification.**

The Expression of Interest (EOI) is invited to prepare brief document for 50 Wetlands along with the health cards for the purpose of notifying the wetlands under the Wetlands (Conservation and Management) Rules, 2017. Details of this Expression of Interest is available in Web portals [www.tnswa.org](http://www.tnswa.org).

Therefore, interested Institutions / Organizations having experience in the preparation of brief document and wetland ecosystem health cards may offer their proposal within 10 days time along with the methodology and work plan. The detailed proposal with technical details may be sent on or before **13.03.2023**.

The proposals shall be examined and the outcome shall be intimated about the terms and conditions of the work, after the approval of the Additional Principal Chief Conservator of Forests and Member Secretary, Tamil Nadu State Wetland Authority, ex-officio Mission Director, Tamil Nadu Wetlands Mission.

**(a) PROJECT AREA:**

The project area covers the entire State of Tamil Nadu. The District wise list of wetlands may be seen on the Websites of the Tamil Nadu Forest Department & Tamil Nadu State Wetland Authority Website. (List of 50 wetlands enclosed as annexure).

**(b) PARAMETERS:**

The preparation of the brief documents shall be as per the prescribed format under Wetland (Conservation and Management) Rules, 2017 (please refer the Tamil Nadu Forest Department & Tamil Nadu State Wetland Authority Website). In addition, the following parameters shall also to be collected for the preparation of the comprehensive brief documents.

<b>Hydrological Parameters</b>	<b>Edaphic Parameters</b>	<b>Sediment Parameters</b>
a) Colour	a) Soil Type	a) Sediment Carbon (C)
b) Odour	b) Soil Nutrients	b) Sediment Methane (CH <sub>4</sub> )
c) Water turbidity	c) Heavy Metal content	c) Sediment Nitrous Oxide (N <sub>2</sub> O)
d) Dissolved Oxygen (DO)	d) Drainage (good or poorly drained)	d) Sediment Nutrients
e) Biological Oxygen Demand (BOD)	e) Soil Carbon (C)	e) Sediment Heavy Metal Content
f) Chemical Oxygen Demand (COD)	f) Soil Methane (CH <sub>4</sub> )	
g) TDS	g) Soil Nitrous Oxide (N <sub>2</sub> O)	
h) TSS		
i) Turbidity		
j) EC		

**(c) EXPECTED OUTCOMES:**

The overall outcome expected from the brief documents and the wetland ecosystem health cards are as follows:

- (i) Biophysical parameters of the wetlands
- (ii) Physio-Chemical parameters of water, soil and sediments including bathymetric studies of 50 wetlands.
- (iii) Study of all analytical data for preparation of draft and final notification proposal and ecological restoration of wetlands.

## 2. SUBMISSION OF EOI

The overall estimate of the project cost is 25,00,000 lakh inclusive of all taxes. The EOI for ***Preparation of brief documents and health cards for 50 Wetlands*** under Tamil Nadu Wetlands Mission should reach in the address given below on or before 13<sup>th</sup> March, 2023 before 5 p.m.

**Additional Principal Chief Conservator of Forests and Member Secretary,  
Tamil Nadu State Wetland Authority and Ex-officio Mission Director  
Tamil Nadu Wetlands Mission  
Panagal Maaligai,  
Saidapet, Chennai – 15.**

**The EOI should contain brief details of the Institutions / Organizations having experience in the preparation of brief documents and wetland health cards or related activities in the past undertaken by the Institutions / Organizations.**

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



## List of 50 Wetlands

Sl. No	Name of the Wetland	Name of the District
1	Kalapakkam Backwaters	Chengalpattu
2	Mahabalipuram Backwaters	Chengalpattu
3	Adyar	Chennai
4	Cuddalore Castle Lagoon ( Gadilam river)	Cuddalore
5	Mulodai Lagoon	Cuddalore
6	Then Pennai River Mouth (Delta)	Cuddalore
7	Uppanar	Cuddalore
8	Vellar River Mouth	Cuddalore
9	Cauvery River (Ootamalai Hanging Bridge to Yemanur Village )	Dharmapuri
10	Konalaru Marsh	Dindigul
11	Kadajjan kuttai	Erode
12	Kadukkaraik kuttai	Erode
13	Karukkankarai kuttai	Erode
14	Kuttaikkarai kuttai	Erode
15	Murali Chennampati yeri	Erode
16	Seratti kuttai	Erode
17	Thengapattinam	Kanyakumari
18	Kollidam River	Mayiladuthurai
19	Manjalaru river	Nagapattinam
20	Kuduvaiyar	Nagapattinam
21	Nandalar	Nagapattinam
22	Thirumullaivasal ( Mangrove Forest)	Nagapattinam
23	Vennar	Nagapattinam
24	Agni River Mouth ( Agniar )	Pudukottai

25	Chinnamani Mangroove	Pudukottai
26	Gandhi nagar	Ramanathapuram
27	Kaarankaadu	Ramanathapuram
28	Kadaloor	Ramanathapuram
29	Kannamunnai	Ramanathapuram
30	Kappalaru Reserve Salt Water Lake	Ramanathapuram
31	Moorpannai	Ramanathapuram
32	Mullimunnai	Ramanathapuram
33	Muthuregunathapuram	Ramanathapuram
34	Pathanenthal – Sambai	Ramanathapuram
35	Pudhupattinam	Ramanathapuram
36	Ramanathapuram Salt Marsh	Ramanathapuram
37	Rettaipalam	Ramanathapuram
38	Soliyakudi - Sambai	Ramanathapuram
39	Thiruppalaikudi	Ramanathapuram
40	Thiruppulani	Ramanathapuram
41	Arasalar River & Mangroves	Thanjavur
42	Ambuliyar River Mouth	Thanjavur & Pudukottai
43	Hanumanadhi	Thirunelveli
44	Uppanar & Nandalar River Mouth	Thiruvarur & mayiladuthurai
45	Punnakayal	Thoothukudi
46	Mel Pudukudi Sunai	Thoothukudi
47	Tirupani Chettikulam	Thoothukudi
48	Araniar	Tiruvallur
49	Palar River Mouth	Vellore
50	Ongur (Salt Marsh)	Villipuram