

Ref.No.TNSWA2/343/2023

Office of the Principal Chief Conservator
of Forests and Member Secretary,
Tamil Nadu State Wetland Authority,
No.1 Jeenis Road, Panagal Maaligai,
Saidapet, Chennai – 15.

Dated 01.09.2023.

REQUEST FOR EXPRESSION OF INTEREST

Under the “Tamil Nadu Wetlands Mission”, Expression of Interest is invited for preparing the brief documents and health cards of below mention 40 Wetlands of Tamil Nadu by collecting the 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, nitrous oxide and carbon credit.

List of 40 Wetlands

| Sl.No. | District | Name of the Wetland |
|---------------|-----------------|-------------------------------------|
| 1 | Ariyalur | Karaivetti Birds Sanctuary |
| 2 | Chengalpattu | Otteri Lake |
| 3 | Dindigul | Serban Odai |
| 4 | Dindigul | Pidarankarai |
| 5 | Erode | Murali Chennampati yeri |
| 6 | Mayiladuthurai | Thirumullaivasal (Mangrove Forest) |
| 7 | Nagapattinam | Thalainayar mangrove |
| 8 | Pudukkottai | Manamalkudi Talik Grama Kodiyakarai |
| 9 | Ramanathapuram | Gandhi nagar |
| 10 | Ramanathapuram | Kaarankaadu |
| 11 | Ramanathapuram | Kadaloor |
| 12 | Ramanathapuram | Kannamunnai |
| 13 | Ramanathapuram | Moorpannai |
| 14 | Ramanathapuram | Mullimunnai |
| 15 | Ramanathapuram | Pathanenthai – Sambai |
| 16 | Ramanathapuram | Pudhupattinam |
| 17 | Ramanathapuram | Rettaipalam |
| 18 | Ramanathapuram | Soliyakudi - Sambai |
| 19 | Ramanathapuram | Thiruppalaikudi |
| 20 | The Nilgiris | Longwood Shola |
| 21 | Villupuram | Oussudu Lake Birds Sanctuary |
| 22 | Salem | Vellarvelli Eri |
| 23 | Nagapattinam | Tethteri |

| | | |
|----|----------------|---|
| 24 | Kanyakumari | Rajakamangalam |
| 25 | Ramanathapuram | Muthuregunathapuram |
| 26 | Erode | Kadukkamarakuttai |
| 27 | Erode | Kadukkaraikkuttai |
| 28 | Erode | Karukkankaraikuttai |
| 29 | Erode | Kuttaikkaraikuttai |
| 30 | Erode | Manjikkaraikuttai |
| 31 | Erode | Pothimankuttai |
| 32 | Erode | Serattikuttai |
| 33 | Erode | Thenkaraikuttai |
| 34 | Salem | Yercaud Eri |
| 35 | Dindigul | (Sirulvathur and Ragalapuram) Jambhakulam |
| 36 | Ramanathapuram | Melaselvanur-Kilaselvanur Birds Sanctuary |
| 37 | Ramanathapuram | Theerthangal Bird Sanctuary |
| 38 | Thoothukudi | Melputhukudi Sunai |
| 39 | Thoothukudi | Thirupani Chettikulam |
| 40 | Thoothukudi | Keelpuliyangulam |

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

- 1. Preparation of brief documents and health cards for 40 Wetlands of Tamil Nadu**
2. The Expression of Interest (EOI) is invited to prepare brief document for 40 Wetlands of Tamil Nadu 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.

Therefore, interested Institutions / Organizations having experience in the preparation of brief document and wetland ecosystem health cards may offer their proposal within 15 days of time period along with the methodology and work plan. The detailed proposal with technical details may be sent on or before 5:00 pm on 15.09.2023.

The proposals shall be examined and the outcome shall be intimated about the terms and conditions of the work, after the approval of the 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 40 Wetlands may be seen on the Websites of the Tamil Nadu Forest Department & Tamil Nadu State Wetland Authority Website. (List of 40 Wetlands of Tamil Nadu enclosed as annexure).

(b) PARAMETERS:

The preparation of the brief documents shall be as per the prescribed format (annexure 2) under Compendium of Wetland (Conservation and Management) Rules, 2017 and Guidelines for National Plan for Conservation of Aquatic Ecosystems. (Please refer the Tamil Nadu Forest Department & Tamil Nadu State Wetland Authority Website, annexure 2 enclosed). In addition, Carbon Credit and the following parameters shall also to be collected for the preparation of the comprehensive brief documents.

| Hydrological Parameters | Edaphic Parameters | Sediment Parameters |
|-----------------------------------|--|--|
| a) Colour | a) Soil Type | a) Sediment Carbon (C) |
| b) Odour | b) Soil Nutrients | b) Sediment Methane (CH ₄) |
| c) Water turbidity | c) Heavy Metal content | c) Sediment Nitrous Oxide (N ₂ 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 ₄) | |
| g) TDS | g) Soil Nitrous Oxide (N ₂ 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 40 Wetlands.
- (ii) Physio-Chemical parameters of water, soil and sediments including bathymetric studies of 40 Wetlands of Tamil Nadu.
- (iii) Study of all analytical data for preparation of draft and final notification proposal and ecological restoration of wetlands.
- (iv) Carbon Credit for the 40 Wetlands.

I. DURATION OF WORK

The entire work should be completed for 40 Wetlands 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.

II. GENERAL INSTRUCTION FOR EOI

- The consultancy firm is expected to conceptualize & adopt the prescribed methodology for preparation of Brief Documents and Health cards along with various taxes, duties and charges as may be applicable.
- Principal Chief Conservator of Forests and Member Secretary, 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.
- Applications without required information or enclosures are liable to be rejected.

- Principal Chief Conservator of Forests and Member Secretary, 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.

I. EVALUATION

Bid Process Criteria (EOI Stage) for Selection of Bidders for Brief Document and Health cards for 40 Wetlands.

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 Principal Chief Conservator of Forests and Member Secretary, Tamil Nadu State Wetland Authority on or before 15 September, 2023 before 5 pm.

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

Criteria 2:

Financial Bid: Financial Bid to be submitted in a sealed envelope.

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

2. SUBMISSION OF EOI

The overall estimate of the project cost should not be more than Rs.20,00,000 i.e. 20 lakhs (inclusive of all taxes). The EOI for ***Preparation of brief documents and health cards for 40 Wetlands of Tamil Nadu*** under Tamil Nadu

Wetlands Mission should reach in the address given below on or before 15th September, 2023 before 5 pm.

**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.



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

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 for empanelment of
Consultancy /Institutions / Agencies / Organisations / Firms
for preparation of brief documents and health cards for 40
Wetlands across Tamil Nadu.

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

We undertake that this is an 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 : | |

| |
|--|
| Current nature of business or activities undertaken: * |
| |

Note : * Applicants shall attach documents / brochures / corporate literature and give more details which you may feel necessary to justify profile.

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

Signature :

Full Name :

Designation :

| |
|-------------|
| Designs : * |
| |

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|-----------------|
| Financial Bid : |
| |

Organization :

Address :

Annexure 1- List of 40 wetlands for preparation of Brief documents

| No | District | Name of the Wetland | Latitude | Longitude | Wetland type | Nature of wetland | Area (in ha) | Ownership |
|----|----------------|-------------------------------------|------------------|------------------|-----------------|----------------------|--------------|-------------------|
| 1 | Ariyalur | Karaivetti Birds Sanctuary | 10° 58' 53.8824" | 79° 2' 43.0368" | Inland wetland | Lake | 453.715 | Forest Department |
| 2 | Chengalpattu | Otteri Lake | 12° 53' 5.1821" | 80° 5' 3.3864" | Inland wetland | Lake | 30 | Forest Department |
| 3 | Dindigul | Serban Odai | 10° 11' 6.5" | 77° 17' 46.8" | Inland wetland | Marsh/Swamp | 6.6 | Forest Department |
| 4 | Dindigul | Pidarankarai | 10° 11' 12.9" | 77° 17' 44.3" | Inland wetland | Marsh/Swamp | 3.3 | Forest Department |
| 5 | Erode | Murali Chennampati yeri | 11° 41' 41.1972" | 77° 38' 43.9512" | Inland wetland | Lake | 26.9 | Forest Department |
| 6 | Mayiladuthurai | Thirumullaivasal (Mangrove Forest) | 11° 14' 6.054" | 79° 50' 39.2352" | Coastal wetland | Estuary, Mangrove | - | Forest Department |
| 7 | Nagapattinam | Thalainayar mangrove | 10° 33' 30.0456" | 79° 49' 35.5578" | Coastal wetland | Mangrove, Salt Marsh | - | Forest Department |
| 8 | Pudukkottai | Manamalkudi Talik Grama Kodiyakarai | 10° 2' 17.034" | 79° 15' 58.6044" | Coastal wetland | Salt Marsh | - | Forest Department |
| 9 | Ramanathapuram | Gandhi nagar | 9° 33' 42.6528" | 78° 55' 12.8064" | Coastal wetland | Mangrove, Mudflat | 34 | Forest Department |
| 10 | Ramanathapuram | Kaaranakaadu | 9° 38' 54.564" | 78° 57' 18.7524" | Coastal wetland | Estuary, Mangrove | 72.97.5 | Forest Department |
| 11 | Ramanathapuram | Kadaloor | 9° 37' 19.74" | 78° 56' 48.6384" | Coastal wetland | Mangrove, Mudflat | 38 | Forest Department |
| 12 | Ramanathapuram | Kannamunnai | 9° 29' 39.9984" | 78° 54' 30.3444" | Coastal wetland | Mangrove | 77 | Forest Department |
| 13 | Ramanathapuram | Moorpannai | 9° 36' 13.0068" | 78° 55' 56.5608" | Coastal wetland | Mangrove, Mudflat | - | Forest Department |
| 14 | Ramanathapuram | Mullimunnai | 9° 39' 12.9672" | 78° 57' 53.5104" | Coastal wetland | Mangrove, Mudflat | 44 | Forest Department |
| 15 | Ramanathapuram | Pathanenthai – Sambai | 9° 30' 45.9756" | 78° 54' 36.684" | Coastal wetland | Estuary, Mangrove | 59.19 | Forest Department |
| 16 | Ramanathapuram | Pudhupattinam | 9° 40' 13.1772" | 78° 58' 12.396" | Coastal wetland | Estuary, Mangrove | 36 | Forest Department |

| | | | | | | | | |
|----|----------------|------------------------------|------------------|------------------|-----------------|-------------------------------|---------|-------------------|
| 17 | Ramanathapuram | Rettaipalam | 9° 34' 48.09" | 78° 55' 19.0272" | Coastal wetland | Mangrove, Mudflat | 54 | Forest Department |
| 18 | Ramanathapuram | Soliyakudi - Sambai | 9° 41' 57.5808" | 78° 59' 16.1124" | Coastal wetland | Mangrove | 5 | Forest Department |
| 19 | Ramanathapuram | Thiruppalaikudi | 9° 31' 48.5256" | 78° 55' 6.5244" | Coastal wetland | Estuary, Mangrove | 45 | Forest Department |
| 20 | The Nilgiris | Longwood Shola | 11° 26' 9.9384" | 76° 52' 25.9392" | Inland wetland | Stream & swamp | 116 | Forest Department |
| 21 | Villupuram | Oussudu Lake Birds Sanctuary | 11°56'19.51" | 79°44'07.27" | Inland wetland | Lake | 697 | Forest Department |
| 22 | Salem | Vellarvelli Eri | 11°36'22 | 77°47'33 | Inland Wetland | Lake | 20.92.5 | RD&PR Department |
| 23 | Nagapattinam | Tethteri | 10.4049 | 79.8412 | Inland Wetland | Lake | 25.58 | RD&PR Department |
| 24 | Kanyakumari | Rajakamangalam | 8° 7' 21.72" | 77° 22' 17.76" | Coastal wetland | Estuary, Saltmarsh, Mangrove, | - | RD&PR Department |
| 25 | Ramanathapuram | Muthuregunathapuram | 9° 30' 18.2196" | 78° 54' 51.3648" | Coastal wetland | Mangrove | 10 | Forest Department |
| 26 | Erode | Kadukkamarakuttai | 11° 45' 57.456" | 77° 33' 16.056" | Inland wetland | Pond | 1 | Forest Department |
| 27 | Erode | Kadukkaraik kuttai | 11° 48' 54.1836" | 77° 33' 1.6812" | Inland wetland | Pond | 1 | Forest Department |
| 28 | Erode | Karukkankarai kuttai | 11° 46' 5.916" | 77° 32' 46.428" | Inland wetland | Pond | 2 | Forest Department |
| 29 | Erode | Kuttaikarai kuttai | 11° 49' 5.52" | 77° 33' 4.752" | Inland wetland | Pond | - | Forest Department |
| 30 | Erode | Manjikkarai kuttai | 11° 50' 28.86" | 77° 33' 31.356" | Inland wetland | Pond | 1 | Forest Department |
| 31 | Erode | Pothiman kuttai | 11° 49' 40.332" | 77° 33' 13.32" | Inland wetland | Pond | 1 | Forest Department |
| 32 | Erode | Serati kuttai | 11° 47' 8.52" | 77° 37' 45.696" | Inland wetland | Pond | 1 | Forest Department |
| 33 | Erode | Thenkarai kuttai | 11° 46' 3.936" | 77° 33' 58.392" | Inland wetland | Pond | 1 | Forest Department |

| | | | | | | | | |
|----|----------------|---|------------------|-------------------|----------------|------|------------|--------------------------------------|
| 34 | Salem | Yercaud Eri | 11.7841 | 78.2102 | Inland Wetland | Lake | 14.91 Acre | RD&PR Department, Tourism |
| 35 | Dindigul | (Sirulvathur and Ragalapuram) Jambhakulam | 10° 19' 45.6204" | 78° 5' 35.7576" | Inland wetland | Lake | 8.56 | Revenue Department, RD&PR Department |
| 36 | Ramanathapuram | Melaseivanur-Kilaseivanur Birds Sanctuary | 9° 12' 55.58472" | 78° 33' 10.58515" | Inland wetland | Lake | - | Forest Department |
| 37 | Ramanathapuram | Theerthangal Bird Sanctuary | 9° 27' 23" | 78° 46' 19" | Inland wetland | Lake | - | Forest Department |
| 38 | Thoothukudi | Melputhukudi Sunai | 8° 33' 40.7772" | 78° 3' 12.1176" | Inland wetland | | | Forest Department |
| 39 | Thoothukudi | Thirupani Chettikulam | 8° 40' 2.4924" | 78° 1' 29.9928" | Inland wetland | | | Panchayat |
| 40 | Thoothukudi | Keelpuliyangulam | 8° 41' 16.584" | 77° 55' 52.482" | Inland wetland | | | Panchayat |

