

TERMS OF REFERENCE TO UNDERTAKE FAUNAL STUDIES (INVERTEBRATES) IN ADYAR ECO-PARK

I. Background

The Government of Tamil Nadu conceived an ambitious and pioneering project in wetland conservation in the restoration of Adyar estuary and creek (358 acres). In the first phase, the Government decided to restore the Adyar Creek which extends to about 58 acres. This is the first and largest restoration program in India to restore wetland Eco-system in urban environment.

The 58 acres Creek was previously used as a place for disposal of Sewage, Municipal Solid Waste and Construction debris which has led to degradation of surface water and ground water quality and destruction of habitats of Avi-fauna, reptiles and fishes. The Creek was infested with exotic species of *Prosopis juliflora*, Moquitoes and bad odour which has led the nearby communities to stay away and led to hunting, vandalism and other illegal activities in the Creek. Chennai Rivers Restoration Trust in association with experts from nearby Institutions, NGOs, Architects and Ecologists have joined hands for the restoration of 58 acres of Adyar Creek

In the year 2007, a Master Plan was prepared for eco-restoration of degraded Adyar Creek and subsequently, the project was named as Adyar Eco-Park. In the year 2008, the eco-restoration works were started and were completed by early 2011. The present assignment is to study the restoration success through continuous studies on the ecological status of faunal elements in Adyar Eco-Park.

II. Objective

- To quantify the restoration success of faunal elements in Adyar Eco-Park.

III. Scope of Works

- The consultant shall examine the terrestrial invertebrate community with reference to ecological aspects such as the relative abundance, diversity and distribution pattern and their role in the restoration process.
- The consultant shall study and document the aquatic invertebrates and its ecological status and dynamics and assess their importance in Adyar creek

- The final project report should contain all the findings of 12 months data with analysis, graph, interpretation and recommendations.

IV. Study Area

The study area in this assignment is Phase-I, 58 acres of Adyar Eco-Park located in Chennai

V. Data inputs by client:

Site Plan and enter upon permission to the consultant by the client.

VI. Key Personnel

S.N.	Key Professional	No. of persons	Experience
1.	Zoologist	1	Doctorate in Life Science with 10 years experience in Wetlands & Coastal Ecology

Suitable manpower viz., Research Fellows, Field assistants and other required specialist necessary for this project shall be included in order to adhere the objectives of the project and time lines.

VII. Outputs and related payment schedule:

The study duration will be 13 months and the stage wise tasks are given below:

S.No	Stage of Report	Time line	Payment
1.	First quarter report (Jan, Feb and Mar)	3 months	30%
2.	Second quarter report (Apr, May and June)	3 months	15%
3.	Third quarter report (July, Aug and Sept)	3 months	15%
4.	Fourth quarter report (Oct, Nov and Dec)	3 months	15%
5.	Final Project Report	1 month	25%

The consultant should submit 2 original copies of all the above reports along with soft copy (MS word, Excel, PDF) of the report. All the pages in reports shall be printed in duplex mode except for A3 pages