



## **KERALA STATE POLLUTION CONTROL BOARD**

**കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്**

**Pattom P.O., Thiruvananthapuram – 695 004**

**പട്ടം പി.ഒ., തിരുവനന്തപുരം - 695 004**

PCB/HO/TAMS/19/2005

Date: 17.10.2016

### **EXPRESSION OF INTEREST**

Kerala State Pollution Control Board invites Expression of Interest from reputed and competent consultant organizations having prior experience in preparing oil spill contingency plan for the preparation of Oil Spill Contingency Plan for the State of Kerala. The service shall include mapping of Environmental Sensitive Index of oil spills at the coasts of Kerala, preparation of response focused oil spill contingency plans and associated documentation including:

- Crisis Management Plans
- Marine Emergency Response Plans
- State Oil Spill Contingency Plans
- Oil Spill Contingency Planning Corporate Guidelines
- Oil Spill Contingency Plans (site-specific, regional and corporate)
- Oiled Wildlife Response Plans
- Ship Board Pollution Emergency Plans
- Tactical Oil Spill Booming / Site Response Plans

Following are the aspects that should be highlighted in the Oil Spill Contingency Plan.

- Policy and responsibility
- Oil spill risks and protection priorities
- Shoreline oil spill response elements
- Shoreline response operations
- Administrative action for shoreline clean-up
- Data base of Authorities to be contacted in case of oil spill

Pre-bid meeting will be conducted at Head Office of the Board at Thiruvananthapuram on 29.11.2016 at 11 a.m. for discussion of the topic and a presentation of similar work done by your organization. For details please visit [www.keralapcb.nic.in](http://www.keralapcb.nic.in)

The last date of submission of EoI is 21.11.2016

**Sd/-**  
**CHAIRMAN**

# **PREPARATION OF OIL SPILL CONTINGENCY PLAN FOR THE STATE OF KERALA**

## **Terms of Reference**

### **1) Need for Study**

Kerala has a coastal line of 590 kms and the entire coast is prone to oil spill disasters as one of the international oil transportation route is adjacent to the coastal line of the State. Out of the 14 districts 9 of them are oil spill prone. Besides, the state has an oil refinery in Ernakulam, which increases the vulnerability of the state. There is one Major Port located in the State of Kerala. In addition, there are 3 Government captive ports. Some of these ports handle oil cargo. The oil tankers and other ships visiting the ports located in Kerala pose a risk to the coastline areas, whenever they are involved in fire incident, collision, allusion, grounding etc. Accidental discharges may involve escape of bunker fuel or oil cargo resulting from a marine incident. The threat is largely a function of the types of oil cargo and bunkers carried the degree of navigational hazards, the weather, and shipping density in the area. The passing merchant ships also pose risk to the coastal areas to the waters adjoining the Kerala coast.

As per the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, crisis groups have to review the status of onsite and offsite emergency plans. A review meeting was held by the Additional Chief secretary, Environment on 16.06.2016 to review the level of preparedness of major accident hazard units to deal with chemical accidents. In the meeting, it was decided that Kerala State Pollution Control Board in association with the Coast Guard shall prepare oil spill emergency plan for the State urgently and furnish it to Government for approval.

The scope of the study is to prepare Oil Spill Contingency Plan for the State of Kerala.

## **2) Objective of the plan**

- To protect the environment by minimizing potential damage to marine and coastal environment and natural resources from impact due to oil discharge.
- To minimize spread of oil on the sea surface.
- To clean and restore oil contaminated shorelines to original state.

## **3) Scope of work**

The scope of work includes marine oil spills of any manner that occur within 12 nautical miles (24kms) of Kerala's coastline & approaches and the riverine systems extending 40km inland or till tidal effect is evident or whichever is more.

The methodology of work shall include the following:

- Literature Survey
- Preliminary Data Collection
- Primary and Secondary Data Collection from various sources
- Initial Investigation
- Mapping using GIS
- Detailed Study

#### 4) General Terms & Conditions

- i. The consultant shall submit three copies of draft report and final report, after including comments of SPCB. Beside this, a soft copy of draft report and final report in MS word format will also be submitted.
- ii. Consultant shall make presentations on interim report, draft report, etc. as and when required.
- iii. Consultant shall inform schedule of field study to SPCB well in advance, so the SPCB official may also participate.
- iv. All the information generated and collected by consultant during the execution of the project is strictly confidential and sole property of SPCB.
- v. In case, SPCB is not satisfied with the progress of project as planned, consultant may be asked to refund the installments released.
- vi. In case of delay in execution of project, consultant shall provide reason for the same in writing.
- vii. In case of dispute while project execution and afterwards, the matter shall be referred to Chairman, SPCB to arbitrate. The decision of Chairman, SPCB will be final and binding.

#### 5) Time Schedule

Duration of study- 2-3months from release of I<sup>st</sup> installment

1	Inception Report	Within 15 days of payment
2	Draft Report 1	After literature survey
3	Draft report 2	After in depth study of identified industries
4	Draft Final Report	After completion of study
5	Final Report	Within one week after including comments of SPCB

## 6) Terms of Payment

1	Inception Report	10% of cost
2	Draft Report 1	10% of cost
3	Draft report 2	30% of cost
4	Draft Final Report	10% of cost
5	Final Report	40% of cost

A bank guarantee equal to 10% of Estimated project cost will be submitted by consultant during submission of inception report.

## 7) Facilities by SPCB

- Deputing officer(s) to accompany consultant during field visits.
- Providing authorization letters for data collection and in depth studies providing available date with KSPCB.

## 8) Compensation for delay

The consultant shall strictly follow the time schedule for the project. The consultant shall pay an amount equal to 1 percent on the total cost of the work as compensation, for every month delay after the due period, provided that the entire amount of compensation to be paid under the provisions of this clause shall not exceed 10 percent of the total cost of the work.

## 9) Arbitration clause/ dispute resolution

In case dispute arises while work is in progress or after the completion, matter shall be referred to the Chairman, State Pollution Control Board for decision. The decision of Chairman, SPCB will be final and binding on the parties to the MoU.

**10) Eligibility criteria/ qualification**

The interested expert agencies are requested to submit following documents:

1. Profile of the agency with supporting documents for qualifications mentioned at Sl.no. 1 to 5.
2. Brief of environmental projects completed during last three years, with one page summary, cost, duration and name & address of the client for each project.
3. Bio-data of technical & scientific personnel likely to be assigned with the project.
4. Details of laboratory facilities available.

Bids (Financial & Technical) may be submitted in separate sealed envelopes to Member Secretary, Kerala State Pollution Control Board, on or before 21/11/2016

**Sd/-**

**CHAIRMAN**