



Suchitwa Mission
Local Self Government Department
Government of Kerala

1563/C4/2024/SM

06.03.2024

**EXPRESSION OF INTEREST FOR EMPANELMENT OF COMPANIES/ NGOs/
ORGANIZATIONS PROVIDING TECHNOLOGIES SUITABLE TO THE PREVENTION OR
REDUCTION OF PLASTIC MARINE LITTER POLLUTION**

DISCLAIMER

1. The information contained in this Expression of Interest (here after expressed as "EoI") document or subsequently provided to agencies, whether in documentary form by SUCHITWA MISSION, is provided on the terms and conditions set out in this EoI and such other terms and conditions subject to which such information is provided.
2. This EoI is not an agreement or an offer by the SUCHITWA MISSION to the prospective agencies or any other person. The purpose of this EoI is to prepare a list of agencies eligible for participating in the provide interested parties with information that may be useful to them in the formulation & submission of their proposals pursuant to this EoI.
3. This is not an invitation to tender. Full tendering procedure will be applied to selected firms prequalified and found capable of executing the project. Only shortlisted firms will be contacted for the tender process. Nothing in the advertisement shall be construed to be a commitment on the part of Suchitwa Mission. Suchitwa Mission does not guarantee to proceed further than the EoI, this invitation for EoI being neither an agreement nor an offer for award of work.
4. This EoI includes statements, which reflect various assumptions and assessments arrived at by the SUCHITWA MISSION in relation to this EoI. Such assumptions, assessments and statements do not purport to contain all the information that each agency may require.
5. This EoI may not be appropriate for all persons, and it is not possible for the SUCHITWA MISSION to consider the objectives, technical expertise and particular needs of each party who reads or uses this EoI. Information provided in this EoI to the agency may be on a wide range of matters, some of which may depend upon interpretation of law.
6. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. SUCHITWA MISSION accepts no responsibility for the accuracy or otherwise of any interpretation or opinion on the law expressed herein.
7. SUCHITWA MISSION makes no representation or warranty and shall have no liability to any person including any agency under any law, statute, rules or regulations or tort, principles of restitution for unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this EoI or otherwise, and any assessment, assumption, statement or information contained therein or deemed to form part of this EoI or arising in any way in this Selection Process.

8. SUCHITWA MISSION also accepts no liability of any nature whether resulting from negligence or otherwise, however arising from reliance of any agency upon the statements contained in this EoI or otherwise, however arising from reliance of any agency upon the statements contained in this EoI.
9. SUCHITWA MISSION may, in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumption contained in this EoI.
10. The issue of this EoI does not imply that SUCHITWA MISSION is bound to select an agency or to appoint the selected agency, as the case may be and the SUCHITWA MISSION reserves the right to reject, all or any of the Proposals, extend the last date without assigning any reasons whatsoever, by notifying in suchitwa Mission website.
11. The technologies/ process proposed by the agency shall be environment friendly and complying with the waste management rules of the country. The proposed technology should be an approved one by the Central Pollution Control Board (CPCB). If suchitwa mission finds that the proposed technology is not compatible with existing rules of the state, the same shall be outrightly disqualified.

Suchitwa Mission is pleased to announce our intention to procure state-of-the-art non-biodegradable waste management machineries and technologies to enhance our waste management capabilities. We are inviting expressions of interest from eligible and reputable suppliers and manufacturers who specialize in innovative technologies suitable to the prevention or reduction of plastic marine litter pollution.

Overview

Suchitwa Mission is the nodal agency of the Government of Kerala under the Department of Local Self Government (LSG) to provide technical and financial assistance to the Local Self Government Institutions (here after expressed as LSGIs) in the sanitation and waste management sector utilizing assistance from Central and State Governments. Suchitwa Mission is committed to sustainable environmental practices and responsible waste management. As part of our ongoing efforts to reduce our environmental footprint, we are seeking advanced technology options, suitable to prevent or reduce plastic marine litter pollution.

Background

Up to 19% of plastic debris that ends up in the ocean comes from rivers, with 88–95% of those rivers coming from eight in Asia and two in Africa, according to Lebreton et al. Sea-based sources contributing to marine plastic litter are estimated to account for 1.75 million tons of a total 12 million tons entering the oceans each year, with about 1.15 million tons of fishing litter and 0.6 of million tons of shipping litter. Only 1% of marine plastics are found floating at or near the ocean surface, with a global concentration of less than 1 kg/km² on average.

A group of technologies have been developed to recover plastic from harbors, lakes and areas of the ocean within easy reach of land. These include autonomous, floating trash collection devices, such as

Seabin, that return to shore when full, and passive trawling systems, such as Thomsea, that are attached to fishing boats.

The technologies suitable to the prevention or reduction of plastic marine litter pollution are called 'solutions'. The Trash Wheel and Storm X technologies are considered by our experts to be the most promising. It is installed in strategic upstream locations, such as rivers, ports, marinas and city foreshores. These solutions require little manpower and can be installed, maintained and operated with unskilled manpower. River cleanup technologies such as this capture plastic waste before it enters the oceans.

Scope

Technologies for the detection and capture of litter and integrated waste management solutions comprising several steps along the value chain were also considered. Being a major source of marine litter, solutions to tackle riverine and beach litter were included, too. Technologies related to wastewater treatment or the impact remediation of marine litter were not considered. Primary microplastics (e.g., from tire abrasion or textiles) are not within the scope. It targets unmanaged waste before they enter water bodies or oceans. Management of the collected waste shall be adhered to the prevailing waste management rules and regulations.

- The proponent shall work with the concerned LSGI, irrigation dept, by entering agreement with them.
- The proposed system shall be a passive/ stationary, active technology which collects both floatable and non-floatable trash (up to 5-mm in size) into a collection netting system from flowing waterways, or by capturing stormwater runoff.
- The installation shall be scalable, according to local requirements.
- The system should be closely monitored and certified to ensure full traceability of the "social" plastics.
- The proponent shall have its own facility or leased land facility for drying the wet waste collected from water bodies.
- The recyclable waste collected shall be channeled to recycling companies or final disposal facilities, cost involved shall be met by the proponent.
- The bio waste collected, if any, from the system installation point shall be handed over to LSGI for further processing, cost involved shall be met by the proponent.
- If the water body stretches need to be cleared before installation of the systems, the same shall be worked out by the proponent in association with the concerned irrigation dept.

We invite qualified agencies to provide solutions that encompass the following aspects, but are not limited to:

- Design and construction of innovative technologies suitable to the prevention or reduction of

plastic marine litter pollution.

- Establishment of a marine litter pollution prevention system with a revenue generation mechanism through reselling waste collected.
- Handle, manage and dispose of any output, residue, left over, products, effluents, and emissions in the process in accordance with local and national rules and regulations.

Further, the technology proposed to be used should be economically viable, suited to the local conditions, and environmentally compliant as per the SWM Rules, 2016 and waste management guidelines issued by the state government as amended from time to time.

Eligibility and Qualifications:

- We invite eligible agencies, including but not limited to service providers, startups, suppliers, and technology providers, with a proven track record in developing and delivering efficient technologies suitable to the prevention or reduction of plastic marine litter pollution with a registered office in India (Company incorporation certificate shall be submitted).
- The proponent shall have its own or leased vehicle facility and manpower for the purpose. The vehicles used shall be covered or especially designed for this purpose. And the vehicles used shall be registered under the KSPCB portal(if applicable).
- The agency engaged in shall have EPR registration(if applicable).
- The waste collection agency shall possess a minimum 2 years valid MOU between an authorized waste disposal plant.
- Average annual turnover of the company over the last three years should be 15 lakhs (CA Audited account statement for the last 3 yrs shall be submitted).
- The agency should not be blacklisted by the Central/ State Government or PSUs (Self declaration shall be submitted).
- The agency shall be a registered firm with valid Goods and Service Tax number (GST registration certificate shall be submitted).

Details to be submitted

1. Technology brief :- Self explanatory technical proposal on the systems involved, with detailed process flow charts, relevant photos of the system/ technology/ machine required for the systems installed, requirements for functioning of the technology.
2. Company profile :- Copy of company registration certificate, GST certificate, details of staff.
3. Business plan:- Brief on business involved/ carried, proposal on the average cost per ton for collection and recovery for all systems, including capital and operational costs but excluding any

costs associated with downstream processing.

4. Documents to prove experience in the field :- Documents (agreement copies and completion certificates) to prove experience in this field (minimum 2 projects).
5. Documents to prove the ownership / lease ownership (Minimum 2 years) of land required for drying the waste collected from water bodies.
6. Minimum 2 years valid agreement with non bio waste processing/ co processing/ disposal facilities.
7. The last two years, CA audited balance sheets and account statements.

Interested parties are requested to submit their Expressions of Interest in both electronic and hard copy format, addressed to the “ Executive Director, Suchitwa Mission Fourth Floor, Revenue complex, Public office Compound, Palayam - 695 033 ” and at sanitationkerala@gmail.com.

Evaluation Process:

The evaluation of expressions of interest will be conducted by Suchitwa Mission. Shortlisted candidates will be invited to participate in the technical review meeting. Once after technical review, the eligible agencies shall be empaneled.

General Information for Respondents

1. The purpose of this EoI is to solicit information on innovative technologies suitable to the prevention or reduction of plastic marine litter pollution. At the same time this EoI provides the opportunity for companies/ agencies to assist Suchitwa Mission in gathering technical information pertaining to setting up of systems/ facilities for prevention or reduction of plastic marine litter pollution in an environment friendly manner.
2. This EoI process is undertaken by Suchitwa Mission for the purpose of receiving data and information for planning purposes, and is a request for competitive proposals; therefore, responses to this notice will be considered offers and shall be accepted by Suchitwa Mission to form a binding contract.
3. This EoI does not constitute a solicitation or a promise of a solicitation in the future and shall be construed under any circumstances as a prerequisite or pre qualification procedure. As such, this EoI is to be considered as a request for proposals or as a tender or any Procurement Action. This EoI shall not, under any circumstances, constitute any commitment on Suchitwa Mission to negotiate with any or all interested parties, to enter into any agreement for the provisions of services mentioned above at any stage.
4. Moreover, to preclude any doubt, it is emphasized that Suchitwa Mission shall have the right to reject, in whole or in part, any opinion, conclusion or information delivered to it through this EoI. Suchitwa Mission shall also have the right to use the information presented and/or submitted to it

for the purpose of planning and preparing a tender or any other procedure, should SUCHITWA MISSION decide to implement one.

5. Suchitwa Mission shall not be bound to accept and/or consider any response and it does not undertake herein any commitment whatsoever towards any of the interested parties. Suchitwa Mission may ignore any response which lacks information or has unclear details. The firm may be called to give presentations before a committee.
6. It does not create any obligation on Suchitwa Mission's part to commence, continue or complete any purchase procedure and/or to act in any other method of acquisition, and Suchitwa Mission shall act at its sole and absolute discretion in this respect. This EoI does not commit Suchitwa Mission to contract for any supply or service or to publish any tenders or any other further procedure. Suchitwa Mission will not be obligated to pursue any particular acquisition alternative as a result of this EoI.
7. SUCHITWA MISSION shall not be charged in any manner for the submission of information in accordance with this procedure. Respondents are advised that SUCHITWA MISSION will not pay for any information or administrative costs incurred in response to this EoI. All costs associated with responding to this EoI are solely at the responding parties' expense. Every Respondent shall bear their own costs with respect to this EoI and any information presented and/or submitted to SUCHITWA MISSION through this EoI is provided voluntarily.
8. Depending upon the submissions received, SUCHITWA MISSION may, as a result of this EoI, approach, at its sole discretion, one or more of the respondents and/or any other party, in order to obtain additional information. SUCHITWA MISSION may also decide to set aside a period of time to gain such further information and visit their facilities of any or all the proposers.
9. SUCHITWA MISSION may wish to share submitted information with outside technical experts for evaluation assistance in which case they will be informed about the privileged nature of the information. However, if a submitter wishes their information to be made available only to Suchitwa Mission, a prominent label/watermark stating "for Suchitwa Mission" must be placed on each such page and information be specifically marked as confidential.
10. Respondents are solely responsible for properly marking and clearly identifying any proprietary information or trade secrets contained within their response. Suchitwa Mission will not be liable for or suffer any consequential damages for any proprietary information not properly marked and clearly identified. Proprietary information received in response to this EoI will be safeguarded and handled in accordance with applicable regulations.
11. SUCHITWA MISSION reserves the right to accept any commercial proposals from entities which did not participate in this EoI process but submit the bids in response to call for commercial bids in future, arising in whole or in part from the present EoI.
12. SUCHITWA MISSION reserves the right, at any time and at its sole discretion, to amend this EoI or any aspect thereof, as well as to extend the date for submission of the Responses, by notifying in

the website. In addition, Suchitwa Mission reserves the right to cancel this EoI in its entirety at its sole discretion, without providing the Respondent(s) any (or no) reason or explanation.

13. The decision of SUCHITWA MISSION shall be final and binding in evaluating and short listing the appropriate technology provider to be used in local bodies in Kerala either from among the submissions in response to this EoI or from such source as deemed fit and suitable. SUCHITWA MISSION will endeavor to preserve the confidentiality of the information provided if at all.

Contact Information:

For any inquiries or to submit your expression of interest, please contact:

Executive Director
Suchitwa Mission, Fourth Floor, Revenue complex,
Public office Compound, Palayam - 695 033
sanitationkerala@gmail.com
04712316730

We look forward to receiving your expression of interest and working with innovative partners who share our commitment to environmental sustainability. Together, we can make a significant contribution to prevent or reduce plastic marine litter pollution.

U.V Jose IAS (Retd)
Executive Director
Suchitwa Mission

Annexure - I

LETTER OF SUBMISSION

(On the Letter head of the agency including full Postal Address, and telephone, facsimile and email address.)

Reference No. _____

Date: _____

The Executive Director,
Suchitwa Mission,
Local Self Government Department
Fourth Floor, Revenue complex,
Public office Compound, Palayam - 695 033

Sir,

SUBJECT: "INVITING EXPRESSION OF INTEREST (EoI) FOR EMPANELMENT OF COMPANIES/ NGOs/ ORGANIZATIONS PROVIDING TECHNOLOGIES SUITABLE TO THE PREVENTION OR REDUCTION OF PLASTIC MARINE LITTER POLLUTION"

Category: Experienced service provider/ Prospective Investor/ Service Provider having innovative ideas.
(strike off whichever is not applicable)

Having examined the details given in the EoI document, we
hereby submit the relevant information for considering the EoI for enlisting companies/ ngos/
organizations providing technologies suitable to the prevention or reduction of plastic marine litter
pollution.

1. We hereby certify that all the statements made and information supplied in the enclosed forms and accompanying statements are true and correct.
2. We have furnished all information and details necessary for the EoI and have no further pertinent information to provide.
3. We confirm that we have no objection in Suchitwa Mission or their authorized representative approaching individuals, employers and entities to verify our competency, genuinity and general reputation.
4. We declare that all the provisions of this EoI Documents are acceptable to us and we will be bound to comply with the instructions and guidelines issued in this regard, once we get empaneled.
5. We also declare that we have not been debarred/ blacklisted by any Government/Semi Govt. organization in any state/country.

Date of Submission:

Name & signature of
the Authorized Signatory.

Place:

Company Seal

Annexure - II

GENERAL INFORMATION OF THE APPLICANT

Note: Separate sheets may be used wherever necessary

1. Name and address of organization :
2. Country of Incorporation :
3. Legal Status (Company: Public/Private, Partnership, Limited Liability Partnership, Sole Proprietorship, Any order) :
4. Incorporation/ registration number :

(attach the copy of Incorporation/ registration number)

5. Date of incorporation/ establishment : (in DD/MM/YY format)
6. GST No (attach the certificate) :
7. Last 2 year's average annual turn over (in Rs.) :
8. Principal place of business :
9. Name, Contact details of authorized signatory :
10. List of 5 major clients with contact details :

(attach the copy of work order, agreement, satisfactory certificate to prove the credentials)

signature of the Authorized Signatory.

Company Seal

* This is a computer system (Digital File) generated letter. Hence there is no need for a physical signature.