



Suchitwa Mission
Local Self Government Department
Government of Kerala

6482/C4/2023/SM

10.11.2023

Expression of Interest for Empanelment of Companies/ NGOs/ Organizations working in Biodegradable Waste Management Sector for DBO based BDW management in local bodies in Kerala.

1. DISCLAIMER

1. The information contained in this Expression of Interest document ("EoI") 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 future needs of Local bodies and 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 or local bodies may decide to select any agency/technology after negotiation of submitted rates and conditions in this EoI. 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. 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.
6. 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.

7. 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.
8. 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.
9. 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 without assigning any reasons whatsoever.
10. The technologies/ process proposed by the agency shall be environmental friendly and complying with the waste management rules of the country. The proposed technology should be an approved one by 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 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 solutions for biodegradable waste processing and management.

2. Project Overview:

Suchitwa Mission is the nodal agency of the Government of Kerala under the Department of Local Self Government to provide technical assistance to the LSGIs in the sanitation and waste management sector and also utilize financial assistance from Central and State Governments, if any. Suchitwa Mission is committed to sustainable environmental practices and responsible waste management. As part of our ongoing efforts to reduce our environmental carbon footprint, we are seeking advanced biodegradable waste management technologies and machineries to efficiently process and handle biodegradable waste materials on DBO Model.

Suchitwa Mission is happy to announce its intention to implement an innovative and sustainable biodegradable waste management system, operated on a Design, Build, Operate (DBO) model with revenue generation through charging of tipping fees from the LSGI. We are seeking Expressions of Interest from experienced and qualified Agencies who can contribute to the successful realization of this project.

3. Scope of Work:

The empaneled agencies shall Design, Build Operate facilities of suitable capacities in identified lands in the State with the following technologies -

1. Aerated static pile composting.
2. In- vessel composting.
3. Vermi or Bioconversion composting
4. Mechanized composting
5. Bio-methanation producing electricity/ gas
6. Any other technology accepted by CPCB/SPCB
7. Any new innovative technology which can be demonstrated for a minimum period of 90 days as Proof of Concept, to be approved by SPCB/ any agency delegated by Suchitwa Mission

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

- Design and construction of biodegradable waste collection and processing infrastructure.
- Implementation of efficient waste sorting and separation methods.
- Setup of aerobic composting facilities or anaerobic digestion systems.
- Establishment of a revenue collection mechanism through tipping fees imposed on the LSGIs.
- Operation and maintenance of the existing waste management systems.
- Handle, manage and dispose any output, residue, left over, 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 Solid waste management Rules,2016 as amended from time to time.

Interested companies/ applicants are requested to furnish the following information to Suchitwa Mission:

A. Details of company/organization

Please provide details of the entity(s) which is/are submitting an Expression of Interest for the proposal:

- Name and address of organization
- Country of Incorporation
- Legal Status (Company: Public/Private, Partnership, Limited Liability Partnership, Sole Proprietorship, Any order)
- Incorporation/ registration number
- Date of incorporation/establishment in DDMMYY format
- GST No
- Principal place of business

- Contact details of designed representative
 - o Name& Designation of authorized person submitting the proposal
 - o Address
 - o Phone No./Fax No./E mail
- Patent document if any
- List of clients (with contact details)
- Details of similar work done (Work order/ completion certificate)

4. Eligibility and Qualifications:

- We invite eligible agencies, including but not limited to manufacturers, startups, suppliers, and technology providers, with a proven track record in developing and delivering Biodegradable waste management solutions with a registered office in India (Company incorporation certificate shall be submitted).
- 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).
- Startups may be considered to be qualified, if Suchitwa Mission is convinced about the technology and Proof of Concept can be done for minimum 90 days at full risk and cost of the Startup.

5. Submission Details:

Interested parties are requested to submit their Expressions of Interest by **28.11.2023, 4.00 PM** in both electronic and hard copy format. The submission should include:

- a. Technology brief
- b. Relevant photos of the system/ technology/ machine
- c. Details based on capacity of plant

	CAPACITY IN TONNES PER DAY					
DESCRIPTION	1	3	5	10	15	20
LABOUR						
DETAILS OF MACHINERY IF						

REQUIRED						
POWER REQUIREMENT(kW)						
COVERED/ SHEDDED AREA (Sqm)						
PLOT AREA (cents)						
OUTPUT MATERIAL						
OUTPUT QUANTITY (TPD)						
EXTERNAL ADDITIVES REQUIRED e.g., Saw dust, dry leaves etc., (Kg/ month)						
INNOCULUM REQUIREMENT IF ANY (Kg/ month)						
CAPEX (in Rs)						
Annual OPEX (in Rs)						
TIPPING FEES (in Rs)						

CAPEX- Includes cost of machinery, installation, electrical fittings etc to operate the plant and any other expenditure incurred during the plant setup, excluding cost of land and buildings required for the plant.

OPEX- Operational cost borne on a yearly basis which includes labour, machinery maintenance, power charges and any other expenditure incurred for the smooth functioning of the project. Annual percentage increase required may also be stated.

TIPPING FEES- The capital and the operational cost of the plant will be borne by the agency/ bidder while the local body will provide the tipping fees on per kg basis for the processing of the biodegradable waste provided by the local body. The site and buildings required to run the plant will be provided by the local body, free of cost.

The tipping fees will be paid by the local body to the agency on a monthly basis. In case tipping fees is not provided for more than 30 days, the plant operations can be stopped by the agency and the local body will have to bear the idling charges which includes labour charges and machinery maintenance cost.

HAM (Hybrid Annuity Model)- In the event of a local body which engages an agency/ company, desires to own the machinery/ plant, the local body will enter into an Agreement with the agency/ company/ technology provider and make a payment of 40% of the total Capital cost of the Plant on stage payment basis, so as to provide the full 40% after successful commissioning of the plant and testing for 30 days. The rest of the 60% Capital Cost will be divided equally and paid over a period of 5 to 15 years as per mutually agreed period, along with O&M costs, on monthly basis. Separate tenders will be floated when Agencies are selected under HAM basis and any increase in Capex, to cover the interest costs payable on the 60% share of the agency/ bidder, can be calculated and quoted at respective tender stage. The Capital cost being mentioned here should be the actual

Capital cost envisaged now.

d. Estimated O&M cost

- Manpower staffing for the project including details of manpower requirements (skilled and semi-skilled)
- Operational costs (kindly specify actual values for operational requirements- costs of inoculum, sawdust or any other additives)
 - o Total working days in a month
 - o Total operational cost (monthly)
 - o Daily usage of electricity (avg) in kWh
 - o Daily usage of fuel (avg)
 - o Daily usage of water (avg)

e. Environment management plan

- Emissions (indicate type of pollutants, emission levels, emission control technologies in place)
- Inert waste (indicate quantity generated as % of input stream, composition, on- site/off- site disposal mechanism in place)
- Other waste (indicate quantity generated as % of input stream, composition, on- site/off- site disposal mechanism in place)
- Leachate (indicate quantity generated as % of input stream, composition, on- site/off- site treatment mechanism in place)
- Odour (describe odour management plan in place)

6. 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.

7. Procurement Method:

The empaneled agencies in the listed technologies can participate in tenders called for by the LSGIs to manage biodegradable waste in the local bodies on tipping fee basis. Local Bodies may also decide to negotiate directly with any Agency, based on the land area requirements/tipping fees quoted in this EoI and enter into Agreements with the Empaneled Agencies

8. General Information for Respondents

1. The purpose of this EoI is to solicit information on Biodegradable waste management technology. 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 Plants/Setup for processing of wet Waste 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 not be construed under any circumstances as a pre-requisite or prequalification procedure. As such, this EoI may 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 provision of services at this 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 as 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 reserve 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. 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 biodegradable waste management.

**K T Balabhaskaran
Executive Director
Suchitwa Mission**

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