



TECHNOLOGY INFORMATICS DESIGN ENDEAVOUR

Terms of Reference/Request for Proposal

Date: 21.03.2024

Proposals are invited by Technology Informatics Design Endeavour (TIDE) for “Selection of Vendor for the preparation of Detailed Project Report for Integrated Wet Waste Management Plant in Ullala, Someshwara, Kotekar towns of Dakshina Kannada district, Karnataka.”

Introduction

Technology Informatics Design Endeavour (TIDE) is a development organization based in Bengaluru that leverages technology for conserving the environment, creating livelihoods, and addressing societal issues. TIDE's work encompasses energy access and biomass-based cooking solutions, environment conservation through energy waste and water interventions, and Technology based innovative livelihoods, particularly with a focus on rural women. TIDE is currently implementing a project titled Integrated Water Management in partnership with BORDA, in different towns of Karnataka. For more information about TIDE, please visit www.tide-india.org

Title	“Selection of Vendor for the preparation of Detailed Project Report for Integrated Wet Waste Management Plant in Ullala, Someshwara, Kotekar towns of Dakshina Kannada district, Karnataka .”
Location	Ullala Taluk, Dakshina Kannada district, Karnataka
Nature of Assignment	The project aims for preparation of Detailed Project Report for Integrated Wet Waste Management in Ullala, Someshwara, Kotekar of Dakshina Kannada district, Karnataka. The scope of work includes undertaking baseline assessment, providing suitable technology options for the treatment of the waste, cost for implementation with estimated timeline, consultation with ULBs and plan of action for implementing the project on ground.
Contract period	The contract period will be for the duration of 45 days

Background of Project

Someshwara, Ullala, and Kotekar Urban Local Bodies (ULBs) in Dakshina Kannada district face significant waste management challenges due to urbanization and population growth. With a combined population exceeding 94,000 as per the 2011 census, these ULBs collectively generate substantial amounts of both wet and dry waste daily up to 17.5TPD and 13.5TPD respectively. Presently, waste from these ULBs is transported to the Mangalore City Corporation (MCC) Municipal Solid Waste (MSW) plant in Pachanady for co-processing. However, recognizing the need for localized solutions, these three ULBs

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have planned to establish an integrated wet waste management plant in a site near Eliyarpadavu. Supported by funding from the Swachh Bharat Mission (SBM) 2.0, this initiative aims to address waste management needs locally, enhance sustainability, and minimize public nuisance, particularly odor, through effective waste management practices tailored to the region's requirements. Based on mutual understanding between the three ULBs and TIDE, the latter has decided to hire a consultant to prepare ready to tender DPRs for setting up the Integrated Wet Waste Management plant.

Terms of Reference:

The bidder shall be responsible for the activities and roles mentioned herein, and shall also support TIDE wherever reasonable and possible, to ensure that the objectives of the assignment are met. The details of the assignment are given below:

Scope of assignment:

The overall objective of the assignment is to develop a detailed project report for Integrated Wet Waste Management Plant in Ullala, Someshwara and Kotekar, Dakshina Kannada, Karnataka. The agency undertaking this activity shall be responsible for leading this activity, with the following scope:

1) Assessment of the need for the Integrated Wet Waste Management Facility in three ULBs

- Estimation of projected waste generation by the generators in the three towns.
- Assessing the existing waste management scenario
- Mapping existing infrastructure for wet waste management.
- Assessing the municipality's capacity, finances, and guidelines for wet waste management
- Undertaking consultations with all three ULBs to understand the existing challenges.
- Evaluating the gap in the processing of wet waste, potential and opportunities.
- To come up with a need assessment plan for the management of wet waste in an efficient manner.

2) Wet Waste Management Plan

- Land survey and feasibility for setting up of wet waste management plant.
- Finalization of the area program
- Screening and identification of suitable technological options.
- Conducting consultations with the municipalities for selection of preferred feasible technology.

3) Engineering design of wet waste management plant

- Detailed engineering design drawings along with detailed BOQ with estimates of the wet waste management plant in accordance with the municipal approved rates.

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- Prepare all the ready to tender documents for CMC to tender the implementation of the project.
- Providing steps and plan of action for implementing the project
- Provide O&M plan for the proposed technology which will be taken up by the ULB staff.

Deliverables

- 1) Detailed assessment report covering details of the existing waste management scenario, following the present infrastructure setup, quantification of waste generated with projected waste generation details, gaps in the current system, etc., as described in the scope.
- 2) Submission of SOP for the proposed technology.
- 3) Ready to tender documents for implementation of the Integrated Wet Waste Management plant with DPR consisting of CMC approved drawings, estimates and BOQ.

Eligibility criteria:

The firm should meet the following minimum eligibility criteria:

<ul style="list-style-type: none"> • The company/firm/contractor should be registered with a legally binding registration document.
<ul style="list-style-type: none"> • Maintenance of comprehensive documentation related to statutory compliance, including permits, approvals, monitoring records, and compliance reports.
<ul style="list-style-type: none"> • The company/firm/contractor shouldn't have been blacklisted by central/state government agencies and have no legal liability towards any governmental or non-governmental agency
<p>Note: The Consultants need to submit supporting documentary evidence for the criteria.</p>

Evaluation Criteria:

S. No	Indicator	Description	Document Evidence	Weightage
1	Bid Price	Price quoted by the agency for completion of the assignment	Lumpsum cost	30%
2	Technical Experience	Agency/consultant should have minimum 5 years' experience in the field of waste management including preparation of DPRs and support in implementation of solid waste management plants.	Work order/Work completion certificate/ proof of work/reports Self-certification providing details of the similar project (Details of the project should include Name of project and description, Start and completion date of the project,	70%

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			Location, and total project cost)
All the eligible firms will be graded on the above criteria. The one with the highest grade will be awarded the contract.			

Duration of the assignment:

The project shall be executed within 45 days of the contract's award, shall be delivered by the **2nd week of May 2023**. The agency should adhere to the work plan as shown below. **(Subject to revision based on mutual consent or as per ground condition)**

Work Plan:

The project duration is from the **5th week of March 2024 to 2nd week of May 2024**.

Activity	March 5 th week 2024	April 1 st - 2 nd week 2024	April 3 rd - 4 th week 2024	May 1 st - 2 nd week 2024
Award of contract				
Situation assessment and gap analysis study				
Master plan for wet waste management plant				
Architectural design with detailed drawings				

Schedule of Payment:

Sl. No.	Deliverable	Stage of payment	Percentage of Payment
1	Assessment report	1 st	20%
2	Detailed plan and Draft DPR	2 nd	40%
4	Final DPR	3 rd	40%
Note: The payment schedule will be finalized in consultation with the Consultant at the contract award stage. All the payments will be done only after we receive the original invoice to the office address.			

Submission of Proposal and deliverables:

The proposal must be submitted over email to the email id: anjali.wagle@tide-india.org, & iwm.accountant@tide-india.org with the following documents attached,

- Supporting documents for eligibility and evaluation criteria



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- Self-certification of not being blacklisted by central/state government agencies.
- Properly filled Annexure I to VI

Confidentiality and Intellectual and Other Property Rights

All reports, notes, statistics and other documents and data compiled and collected, or software developed by the Contractor under this Agreement shall be confidential and the property of TIDE. The Parties herein agree to keep the terms of this TOR all or any information which any or all of the parties herein shall become acquainted with shall not be disclosed, either directly or indirectly to third parties or be used in any way, or in any manner that would be detrimental to the business of the partners.

Sd/-
Director-TIDE