

TECHNOLOGY INFORMATICS DESIGN ENDEAVOUR

Date: 17.06.2025 Terms of Reference/Request for Proposal

Proposals are invited by Technology Informatics Design Endeavour (TIDE) for “Selection of Vendor for Developing Wastewater Management DPR For Kandawara Lake in Chikkaballapura. 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 agency for Developing Wastewater Management DPR for Kandawara Lake in Chikkaballapura. Karnataka.”
Location	Chikkaballapura, Karnataka
Nature of Assignment	The project aims for preparation of wastewater management DPR for Kandawara Lake in Chikkaballapura. Karnataka. The scope of work includes undertaking baseline assessment by identifying the inlet to the lake, topographic survey of the lake along all the drains (inlets) & available land around the lake for setting up of treatment infrastructure. Estimating the quantity of dry weather flow in inlets through actual flow measurement. Determining the quality of wastewater flowing in inlets of the lake. Providing suitable wastewater management solutions (preferably nature based) along with technology options for its treatment. Preparation of detailed design, drawings, BOQ and implementation plan of the proposed treatment facility. The documents should be ready to tender.
Contract period	The contract period will be for the duration of 40 days

TECHNOLOGY INFORMATICS DESIGN ENDEAVOUR

Background of Project

Chikkaballapura, a small town in Karnataka, has a population of approximately 88 thousand people within the City Municipal Council (CMC) boundary. It comprises around 22,000 households, with a diverse demographic profile that exhibits a mix of rural and urban characteristics, with agriculture and small-scale industries being the main economic activities. Chikkaballapura town faces significant wastewater management challenges due to urbanization and population growth. More than 80% of the town is sewered, however other 20% wastewater is generated. Wastewater generated by 2770 HH's is reaching to the Kandawara lake sewage treatment system of the town. This is due to missing linkages & lack of last mile connections. Hence, most wastewater generated in the town is let out in the stormwater drains. Further to this problem, some of the manholes are opening in the large storm water drains that finally ends up in the one of the lakes is kandawara lake. Therefore, the lake is polluted with urban wastewater. TIDE along with the municipality engineers conducted a field visit to the lake and made observations and collected some preliminary data in the catchment and inlet drains of the lake. There are 2 large drains that carry wastewater from about 2770 HH's into the "Kandawara" lake. Land has been identified and is available for setting up treatment facility for both of the major inlet carrying wastewater into the lake, however the actual flow of wastewater into the lake could not be determined. CMC has requested TIDE to prepare wastewater management DRP for "Kandawara" lake. Based on mutual understanding between the CMC and TIDE, the latter has decided to hire a consultant to prepare a ready to tender DPR for managing wastewater by setting up treatment facility to ensure the water in the lake is pollution free and both public and environment health is safe.

13°26'2.97"N, 77°43'1.65"E

TECHNOLOGY INFORMATICS DESIGN ENDEAVOUR



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 primary goal of this assignment is to create a comprehensive project report for developing an effective wastewater management system for “Kandawara” Lake in Chikkaballapura, Karnataka. This initiative aims to ensure the lake's water remains free from pollution, safeguarding both public health and environmental integrity. The selected agency will be responsible for leading this effort, encompassing the following scope:

TECHNOLOGY INFORMATICS DESIGN ENDEAVOUR

1. Assessment of Drains and Wastewater Quantification

- Conduct detailed assessment of the lake to identify its wastewater catchment, boundary, all inlet drains and surplus weir.
- Conduct a detailed topographical (Total station/ DGPS) survey of all the inlet drains (up to 50 m upstream) and surrounding land area that is identified for setting up of wastewater treatment system.
- Quantify dry weather inflows from major drains to the lake through standard flow measurement methods or any other available standard methods.
- Perform quality testing of the wastewater from the inlet and from the lake.
- Assess the current wastewater management scenario of the lake and its catchment.
- Assess the space available in and around the lake for setting up of wastewater treatment systems.
- Develop a needs assessment for wastewater management.

2. Wastewater Management Plan

- Assess the feasibility of setting up the wastewater management facility.
- Propose suitable nature-based solutions for the wastewater treatment, considering land availability and minimal operational and maintenance requirements.
- Finalize the required area for the facility.
- Conduct consultations with municipal authorities to finalize the technology.
- Provide capacities and specifications for any necessary equipment.
- Prepare Standard Operating Procedures (SOP) and an O&M plan and provide support to CMC officials as needed.

3. Engineering Design of Wastewater Management Plant

- Develop detailed engineering design drawings, along with a comprehensive Bill of Quantities (BOQ) and cost estimates, in accordance with municipal approved rates.
- Prepare all necessary tender documents for the CMC to facilitate project implementation.

Deliverables

1. Detailed assessment report of the existing wastewater management scenario in Kandawara Lake.
2. Comprehensive wastewater management plan.
3. Ready-to-tender documents for the implementation of the wastewater management plan, including CMC-approved drawings, estimates, and BOQ.

***Note:** All deliverables will be reviewed by TIDE, and suggestions will be provided accordingly. Payment will be processed only after the suggestion are incorporated.*

Eligibility criteria:

Technology Informatics Design Endeavour
FF1, Sapthagiri apartments, No 30, 10th cross, 15th main road, RMV extension, Sadashivanagar,
Bengaluru – 560080

Email – info@tide-india.org

Ph – 080 2361 2031

TECHNOLOGY INFORMATICS DESIGN ENDEAVOUR

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
Note: The agency needs to submit supporting documentary evidence for the criteria.

Evaluation Criteria:

S. No	Indicator	Description	Document Evidence	Weightage
1	Bid Price	Price quoted by the agency for completion of the assignment	Lumpsum cost	50%
2	Technical Experience	Agency/consultant should have minimum of 2 years' experience in the field of wastewater management including preparation of DPRs and support in implementation of wastewater management plan.	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, Location, and total project cost)	50%
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 40 days of the contract's award, shall be delivered by the **2nd week of August 2025**. The agency should adhere to the work plan as shown below. **(Subject to revision based on mutual consent or as per ground condition)**

TECHNOLOGY INFORMATICS DESIGN ENDEAVOUR

Work Plan:

The project duration is from the 4th week of June 2025 to 2nd week of August 2025.

Activity	June 4 th week 2025	June 4 th week - 1 st July week 2025	July 2 nd week -4 th week 2025	August 1 st week -4 th 2025
Award of contract				
Situation assessment and gap analysis study				
Waste water management plan				
Engineering design with detailed drawings & BOQ				

Schedule of Payment:

Sl. No.	Deliverable	Stage of payment	Percentage of Payment
1	Assessment report	1 st	40%
2	Detailed plan and Draft DPR	2 nd	20%
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: ariun.kumar@tide-india.org & iwm.accountant@tide-india.org with the following documents attached,

- Supporting documents for eligibility and evaluation criteria
- 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

Technology Informatics Design Endeavour
FF1, Sapthagiri apartments, No 30, 10th cross, 15th main road, RMV extension, Sadashivanagar,
Bengaluru – 560080

Email – info@tide-india.org

Ph – 080 2361 2031

ANNEXURES

Annexure I: Letter for EOI Submission to Be Submitted on the Letter Head of the Institution

Annexure II: Information regarding any Conflicting activities and declaration

Annexure III: Details of a minimum of 3 similar works executed by the bidder.

Annexure IV: Quote/Bid FORM

Annexure V: CVs of the team members who are likely to work on the project.

Annexure VI: Portfolio

ANNEXURE I

**LETTER FOR EOI SUBMISSION TO BE SUBMITTED ON THE LETTERHEAD OF THE
ORGANISATION**

Ref: No:

Date:

Executive Director,
TIDE, FF-1, Sapthagiri Apartments,
No.30, 10th Cross, 15th Main Road,
RMV Extension, Sadashiv Nagar,
Bengaluru – 560080

Dear Sir/Madam

We, the undersigned, offer to provide the services as required in your invitation for EOI dated: ----- . We are hereby submitting our proposal with all the requisite information and documents.

We hereby certify that all the information and statements made in this proposal are true and accept that any misstatement or misrepresentation in the enclosed documents may lead to our disqualification.

We understand that you are not bound to accept/reject any proposal without assigning any reason.

Yours faithfully

Authorized Signatory

NAME & DESIGNATION

ANNEXURE II

INFORMATION REGARDING ANY CONFLICTING ACTIVITIES AND DECLARATION THEREOF

Is the party engaged in any activities which conflict with the proposed activities of TIDE as mentioned in this document?

If yes:

Please furnish information on activities the institution is engaged in, which in your opinion, is of a nature that conflicts with the assignment desired to be awarded by CoE.

If no:

We hereby declare that our organization is not either directly or indirectly engaged in any activities which can be termed conflicting activities as mentioned in the EOI document. It is understood that any misrepresentation or misstatement in this regard shall lead to our organization to be disqualified from the entire process.

Signature of the authorized signatory

Name

Designation

TO BE SUBMITTED ON THE LETTERHEAD

ANNEXURE III

Details of a minimum of 5 similar works executed.

(Amount Rs. in Lakh)

Sl.No.	Nature of similar work carried out	Name of the party for whom such work was carried out	The total value of the work	Period of the assignment	Contact person name and mobile no.

AUTHORISED SIGNATORY

TO BE SUBMITTED ON THE LETTERHEAD

ANNEXURE IV

Quote/Bid FORM

To

The Executive Director

TIDE

FF-1, Sapthagiri Apartments, No. 30, 10th Cross, 15th Main Rd,

Raj Mahal Vilas Extension, Sadashivanagar,

Bengaluru, 560080

I hereby offer to submit our EOI for the “ ”
assignment as a Service Provider/Expert/supplier of material/services etc.

Sl No.	Parameters	Particulars/Description	
1.	Name		
2.	Address		
3.	Contact Details	Email:	
		Mobile:	
4.	Total Lumpsum Cost/Fee (in Rupees) Inclusive of GST for work completed as per ToR	Only Assessment Report	
		Only DPR	
		Complete DPR (Assessment report & DPR Report)	
5.	GST Number (If no GST please submit a declaration)		

Note: Site Visits charges will not be reimbursed, & any of the activities will be selected.

Declaration:

I certify that the above particulars are correct. I understand and agree that if any statement is found to be false or incorrect, TIDE reserves the right to reject my application.

I certify that if awarded the assignment, I shall maintain confidentiality and shall avoid.
conflict of interests.

Signature:

Place:

Full name:

Date:

TO BE SUBMITTED ON THE LETTERHEAD

Annexure V

CVs of the team members who are likely to work on the project.

TO BE SUBMITTED ON THE LETTERHEAD

Annexure VI

Portfolio of the vendor/agency