

# Invitation for Expression of Interest

Date: 25.04.2022

Proposals are invited by TIDE for “**Developing a city water action plan for Chintamani Town in Karnataka**”

## Introduction

### TIDE

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 focus on rural women. TIDE is currently implementing a project titled 'Integrated Water Management' in partnership with BORDA, in two towns of Karnataka. For more information about TIDE, please visit <https://tide-india.org>

<b>Title</b>	<b>“Providing technical assistance for developing City water action plan for Chintamani Town in Karnataka”</b>
<b>Location</b>	Chintamani city, Karnataka
<b>Nature of Assignment</b>	The project aims to provide comprehensive understanding of the water supply system and water resources in Chintamani municipality by assessing current status and trends in water resource availability and current water supply management of the town to strengthen water management decision-making by the municipality. To achieve the objective, the Firm/Individual consultant is expected to conduct detailed technical study adopting participatory approach and develop vision, strategies and provide actionable recommendation improve town water management systems
<b>Contract period</b>	The contract period will be for the duration of 60 days.

## Background of Project

Chintamani city (lies within Lat - Long 13.400°N and 78.066°E, situated 83 kms from Bangalore) has both surface and groundwater sources; however, it is largely dependent on groundwater (80% of demand is met through ground water). The large surface water resources situated close to the city are

1. Kannampalli-Chikka kere spread over an extent of 10 acres,
2. Bhaktarahalli-Arasikere (out of the administrative boundary, 6km away from the city).

In addition, there are ponds and Kalyanis, though the latter are in dilapidated state with no water.

Per capita water supply is a determinant of standard of living and India has mandated 135 LPD per capita. In Chintamani, there is a demand supply gap despite the best efforts of the municipality. Total supply is 6.6 MLD and demand is 11.8 MLD; per capita supply is around 70 LPD and the supply reduces further during summers due to rapid depletion of groundwater. With respect to ground water, there are 173 bore wells owned by the municipality spread across the city, as per latest available data, 91 are working, 82 are dried up. There are also open wells but there is no reliable recent data on them.

Higher urbanization in the city has put increased pressure on water supply. Decline in groundwater table (average ground water depth is around 800 feet) and unreliability of surface water, particularly in summer months, has put the town at risk in terms of drinking water. The high dependency on ground water is unsustainable. The degradation and depletion of water resources is also a matter of concern. In addition, water quality concerns remain. The area being low in rainfall calls for a sustained water management plan.

## Terms of Reference

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

The purpose of the study is to develop strategic water action plan for Chintamani town by developing understanding around various aspects of drinking water supply system of the town. There is a general lack of information around its water resources, supply and demand and water management systems in Chintamani town. Lack of information has widely affected the planning process of municipality resulting in gaps in the water supply service delivery. To address the challenge a common, agreed reliable information base needs to be established that can be used by relevant stakeholders as a basis for informed and effective decision making.

## Objective:

- Provide municipality with critical information on water supply and resource across the value chain so that water management initiatives can be prioritized
- Develop strategies that help will the municipality in better management of water services, increasing water security and sustainability.
- Develop city water action plan to support planning process under the mission AMRUT 2.0

## Scope of work:

**Package 1: Design of the Study** – The study should be designed with respect to the following –

- The study should be aligned to the national and state policies, missions, and acts. Any revisions in the policies, missions, and acts relevant to the study should be reflected in the study.
- The study should be viewed through the lens of integrated water management in a small town to achieve water security & resilience.
- The study should use mixed method research to capture nuances in integrated water resource management through both quantitative and qualitative data.
- The study should have a participatory approach to include all the key stakeholder at every possible stage – planning, implementation, analysis, results & discussion. This is deemed necessary to capture realistic and practical insights into integrated water resource management in a small town.

**Package 2: City Water Balance Plan** – This plan should include the principles mentioned in the City Water Balance Plan as prescribed under Jal Jeevan Mission - Urban but not limited to, to develop a comprehensive plan. The plan following aspects must be included –

- Identify and map all the existing and potential water sources for the town including quantitative and qualitative data of the respective sources. Water sources should include – groundwater, surface water, rainwater, etc.
- Assess the adequacy of existing infrastructure for water supply, wastewater, and storm water management. Also, identify any points of cross contamination among various streams of water in the town that is a potential risk to water quality.
- Quantify unaccounted water and leakage points in the water supply system
- Map access to water supply in the town – areas covered by FHTC, areas dependent on water tankers, areas dependent on borewells, etc.

**Package 3: City Water Action Plan** – The plan should be developed in the context of the existing national & state policies, missions, acts, etc. with specific focus on flagship schemes such as AMRUT 2.0 and Jal Jeevan Urban.

- Multiple consultations must be held with all relevant stakeholders to share the results & discussions from city water balance plan on the basis of which an city water action plan must be developed in a participatory manner.
- Action plan must be prepared in view of circular economy, wastewater recycle & reuse, water source conservation, judicious use of water, etc.
- The action plan must include short term, medium term and long-term activities that can be taken up by municipality to build a water secure and resilient town.
- Proposed activities should be mapped against existing and pipelines sources of funds from national, state, and own revenue.
- Overall analysis of current revenue and expenditure in municipal water and sanitation. Also, include potential revenue streams to achieve financial sustainability.

### Eligibility of Criteria

The firm should meet the following minimum eligibility criteria:

- The Consultant should be registered with legally binding registration documents
- The Consultant must have minimum three years of similar work experience
- The consultant should have implemented similar projects in small towns

The Consultants need to submit the supporting documentary evidence for the criteria with their bids.

### Evaluation Criteria

Sl No	Particular	Description	Document Evidence	Weightage
1	Experience	The interested parties should have a minimum verifiable experience of 3 years in	Certificate of Registration/ RoC	15%

2	Team	Agency should have a professional team with proven ability of executing similar projects	CVs of team members	15%
3	Project Execution	The parties should have executed a minimum of 2 projects in similar areas	Work Orders/PO/Signed Contract/MoU/ Designs/ Project Reports	20%
4	Clarity in the proposal	The proposal should contain the entire scope of work with detailed methodology, timeline etc.,		20%
4	Bid Price	Price quoted by the agency		30%

All the eligible firms will be graded on the above criteria. The one with the highest grade/score will be awarded the contract.

## Timeline

No.	Activity	Timeline		
		May	June	July
1	Award of contract, Assessment of the project area, Design of the study			
2	Package 2: City water balance plan			
3	Package 3: City Water Action Plan			

### Work Plan:

\*Timelines will be finalised in consultation with the Consultant at the contract award stage

## Schedule of Payment

Sl. No	Deliverable	Payment in %
1	Inception Report – Review of Secondary Data, Methodology, Timelines, etc.	30%
2	City Water Balance Plan – Report + Presentation Review/ Consultative Meeting with Municipality	40%
3	City Water Action Plan – Report + Presentation Review/ Consultative Meeting with Municipality	30%

*Note: Payment schedule will be finalized in consultation with the Consultant at the contract award stage*

## Submission of Proposal

The proposal must be submitted over email with email id: [Santhosh.cibi@tide-india.org](mailto:Santhosh.cibi@tide-india.org) and [iwm.accountant@tide-india.org](mailto:iwm.accountant@tide-india.org) with the following documents attached as,

- Proposal with quote bid price for completing the work
- Supporting documents for eligibility and evaluation criteria
- Self-certification of not being blacklisted by central/state government agencies

## **Documents to be Submitted**

- ❖ Letter for EoI submission – Annexure I
- ❖ Profile of the party
- ❖ Profile of the personnel of the party, who will handle the assignment
- ❖ Details of similar works carried out in the past – Annexure II
- ❖ Price Bid – Annexure – III
- ❖ Proposal

## **Confidentiality and Intellectual and Other Propriety Rights**

- ❖ All reports, notes, statistics and other documents and data compiled and collected, or software developed by the Consultant under this Agreement shall be confidential and the property of TIDE.
- ❖ The Parties herein agree to keep the terms of this RFP, 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.

## **Deadline to Submit the EoI:**

30<sup>th</sup> April 2022

**TO BE SUBMITTED ON THE LETTER HEAD**

**ANNEXURE I**

**LETTER FOR EOI SUBMISSION TO BE SUBMITTED ON THE LETTER HEAD OF THE INSTITUTION**

Ref: No:

Date:

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

Dear Sir/Madam

We, the undersigned, offer to provide the services as required in your invitation for EOI dated: 22/04/2022. 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



**TO BE SUBMITTED ON THE LETTER HEAD**

**ANNEXURE II**

**Details of minimum 3 similar works relevant to Construction in the past**

(Amount Rs. In Lakh)

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

AUTHORISED SIGNATORY

**TO BE SUBMITTED ON THE LETTER HEAD**

**ANNEXURE III**

**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 titled for "**Developing a city water action plan for Chintamani Town in Karnataka**" as agency/agency/individual/services etc.

Sl No.	Parameters	Particulars/Description
1.	Name	
2.	Address	
3.	Contact Details	Email: Mobile:
4.	Total Cost/Fee (in Rupees) Inclusive of GST for work completion as per ToR	
5.	GST Number (If no GST please mention in Annexure IV)	

*Note: Site Visits charges will not be reimbursed*

Declaration:

I certify that the above particulars are correct, and I understand and agree that if any statement is found to be false or not correct, 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.

Date:

Signature:

Place:

Full name