



# **TRAVANCORE DEVASWOM BOARD**

**OFFICE OF THE EXECUTIVE ENGINEER, KOTTAYAM**

**NOTICE INVITING EXPRESSION OF INTEREST (EOI)**

**FOR INSTALLING A**

## **SEWAGE TREATMENT PLANT (STP) OF CAPACITY 100KLD**

**FOR THE TOILET COMPLEX ASSOCIATED  
WITH VAIKOM TEMPLE**

**NOTICE INVITING EXPRESSION OF INTEREST (EOI)**

TDB invites Expression of Interest offers from reputed and experienced firms for the design, supply, installation, and commissioning of a **100 KLD** Sewage Treatment Plant (STP) for the toilet complex associated with Vaikom Temple as per the scope of services and terms herein.

**NAME OF WORK** : Installation of a 100 KLD Sewage Treatment Plant for the toilet complex associated with Vaikom Temple under Travancore Devaswom Board.

**SCOPE OF WORK** :

1. Site Assessment & Feasibility Study Conducting a survey to assess the suitability of the proposed technology.
2. Design & Engineering Providing a detailed design of the STP with necessary drawings and specifications. Details of disinfectants and other chemicals (if any), including the quantity required for the operation of STP & the sludge handling system.
3. Procurement & Installation – Supply of equipment and installation at the designated location
4. Testing & Commissioning – Ensuring the plant operates as per the required efficiency and environmental standards.
5. Operation & Maintenance Providing training and Operational support, including maintenance services.

**NOTE:** The technology initially considered for the STP is Membrane Bioreactor (MBR); however, alternative advanced and efficient technologies best suited to the site conditions may also be proposed.

**TIME OF COMPLETION OF WORK :** 120 days from the date of commencement of work

**DEFECT LIABILITY PERIOD :** 1 Year( including Operation and maintenance)

**EOI FEE :** Non-refundable cost of Rs.2950(Fee @Rs.2500+ GST@18%) in the form of Cheque/Demand draft in favour of Devaswom Accounts officer, Travancore Devaswom Board.

**LAST DATE AND TIME OF SUBMISSION :** Up to 3.00 PM on 04/03/2025

**DATE & TIME OF OPENING TECHNICAL BID :** On 05/03/2025 at 03.00 PM

**DATE & TIME OF OPENING FINANCIAL BID :** On 07/03/2025 at 11.00 AM

**EARNEST MONEY DEPOSIT (EMD) :** 2.5 Percentage of quoted rate

### **Mode of Submission**

The bidder must SUBMIT the Expression of Interest (EOI) along with the following:

- a. *A non-refundable cost of Rs.2950 as EOI fee in the form of Cheque/demand draft in favour of Devaswom Accounts officer, Travancore Devaswom Board.*
- b. *Fixed deposit receipt of any Nationalized or approved Scheduled Bank towards Earnest money deposit, pledged to The Executive Engineer, Travancore Devaswom Board, Kottayam*
- c. Technical bid in separate sealed envelopes addressed the Executive Engineer, Travancore Devaswom Board, Kottayam(686001). The technical bid should have the following details in any convenient format.
  - i. *company profile & Experience  
Details*
  - ii. *Technical proposal with Suggested Technology*
  - iii. *Client references and Past project details*
- d. **Financial Bid** in separate sealed envelopes addressed to **the Executive Engineer, Travancore Devaswom Board, Kottayam (686001)**. The *Format of the same as follows:*

Financial Bid

(On the letter head of the bidder)

Name of Work : Installation of a 100 KLD Sewage Treatment Plant for the toilet complex associated with Vaikom Temple under Travancore Devaswom, Board

Name of Firm :

Address :

I/we hereby agree to take up the above said project by following the departmental formalities abide to the PWD manual and my/our fee for the above all services with the cost break up as follows:

**Design, Construction, Supply, Installation, Testing & Commissioning of a 100 KLD Sewage Treatment Plant**

Detailed Pricing and Capacity for Individual Items and Equipment in the STP (Sewage Treatment Plant) should be provided, such as :

**1.Capital Expenditure**

**A. Civil & Structural Works**

**Breakups**

- Excavation & Earthworks Rs.....
- Reinforced Concrete Structures Rs.....
- Waterproofing & Coatings Rs.....
- Steel Framework & Roofing Rs.....
- Storage & Drainage Systems Rs.....

**B. Mechanical & Electrical Equipment**

**Breakups**

- Pumps (Raw Sewage, Sludge, etc.) Rs.....

- Aeration System (Diffusers, Blowers, Compressors, etc.) Rs.....
- Clarifiers & Sedimentation Tanks Rs.....
- Screening & Grit Removal Units Rs.....
- UV Disinfection or Chlorination Unit Rs.....
- Sludge Dewatering (Centrifuge, Filter Press, etc) Rs.....

**C. Piping & Plumbing**

**Breakups**

- Sewage Inlet/Outlet Pipelines Rs.....
- Distribution Piping & Valves Rs.....
- Chemical Dosing & Storage Systems Rs.....

**D. Instrumentation & Automation**

**Breakups**

- SCADA & PLC Control Systems Rs.....
- Sensors (pH, TSS, BOD, etc.) Rs.....
- Flow Meters & Level Indicators Rs.....

**E. Miscellaneous Costs**

**Breakups**

- Installation & Commissioning Rs.....
- Approvals & Permits Rs.....

Total of Capital Expenditure Rs.....

**2. Operational & Maintenance Cost (for 6 years)**

**I. Operation and maintenance for first year: during defect liability period**

**Breakups**

**A. Manpower**

- Operators & Technicians Rs..... (Specify the numbers of staff)
- Supervisory Staff Rs..... (Specify the numbers of staff)

B. Chemicals & Consumables Rs.....

- Polymer & Flocculants Rs.....

- Disinfectants (Chlorine, Ozone, etc.) Rs.....
- pH Adjusting Chemicals (Lime, Alum, etc.) Rs.....

C. Sludge Handling & Disposal

**II. Operation and maintenance for second year**

**Breakups**

**A. Manpower**

- Operators & Technicians Rs.....
- Supervisory Staff Rs.....

**B. Chemicals & Consumables**

- Polymer & Flocculants Rs.....
- Disinfectants (Chlorine, Ozone, etc.) Rs.....
- pH Adjusting Chemicals (Lime, Alum, etc.) Rs.....

**C. Maintenance & Spare Parts**

- Annual Maintenance Cost Rs.....
- Spare Parts (Pumps, Blowers, etc.) Rs.....

**D. Sludge Handling & Disposal**

- iii. Do for Third year Rs.....
- iv. Do for Fourth year Rs.....
- v. Do for Fifth year Rs.....
- vi. Do for sixth year Rs.....
- Total O&M charges for 6 years Rs .....

**Grand Total cost including including Capital expenditure and O&M charges for 6 years : Rs.....(including GST)**

The above fee shall remain firm till the completion of the project Agreement, in all respect.

Signature & Seal of the firm

## Selection Process

- After the opening of technical bids, firms with suitable technical proposals will be shortlisted.
- Following the technical evaluation, the financial bids of the shortlisted firms will be opened. Based on the evaluation of both technical and financial aspects, the most suitable proposal will be selected and recommended to the higher authorities for approval.
- Work order will be issued only after obtaining, necessary sanction from the higher authorities for the selected proposal.

### Terms and conditions

1. The envelope containing Technical bid and Financial bid should also indicate clearly the name of the bidder and his address. In addition, the left-hand top corner of the envelope should indicate the name of the work, name of the document in the envelope with bid opening date and time and addressed to address mentioned above and shall reach on or before 04/03/2025 up to 3.00 PM.
2. Before the last time and date of submission of bids as notified, the bidder can submit revised bid any number of times.
3. The bid for the works shall remain open for acceptance for a period of 150 days from the last date of submission of bid including the extension given, if any. In case any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the TDB, then the TDB shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the re-bidding process of work.
4. The acceptance of any or all bids will rest with the TDB who does not bind itself to accept the lowest bid and reserves to itself the right to reject any or all of the bids received without assigning any reason thereof Before the last time and date of



submission of bids as notified, the bidder can submit revised bid any number of times.

5. On acceptance of EOI, the name of the accredited representative(s) of the firms who would be responsible for taking instructions from Engineer-in Charge or its authorized representative shall be intimated within 07 days of issue date of letter award by TDB.
6. Date of start of work shall be reckoned from the 10<sup>th</sup> day after issue of the letter of Award by the TDB.
7. The firms submitting the EOI shall be deemed to have gone through the various conditions while making/preparing their technical & financial proposals & submitting the Bid(s) including site conditions, topography of land, drainage and accessibility etc. or any other condition which in the opinion of bidder will affect his price/rates before quoting their rates.
8. Applicants are advised to visit the site at Vaikom during office time prior to participating in the EOI.
9. TDB reserves the right to reject any or all EOI applications at any stage without providing reasons. Additionally, TDB retains the right to hold, modify, withdraw, or cancel the EOI at any time without prior notice.
10. The Official seal and sign of the firms submitting EOI is mandatory in all pages of the said documents.

*For further technical related quarries please contact Sri. R Anoop, Assistant Engineer-Environmental Wing (8606513951) and for site related quarries please contact Smt. Jasina Chakyarath, Assistant Engineer, Vaikom (9400090626)*

***We look forward to receiving your proposal and working together to implement a sustainable wastewater management solution for Vaikom.***

***Sd/-***

***EXECUTIVE ENGINEER***