

**Invitation for Expression of Interest (EOI) from
Eligible Sewage Treatment Plant design and
operation consultants**

TO

**Planning, Design & Preparation of Detailed Estimate for
repair and renovation of existing 2 X 500 KLD STP and
1 X 100 KLD at IISc Campus**

Ref No – IISc/CCMD/EOI-01/2025-26



**Centre For Campus Management and Development (CCMD)
Indian Institute of Science, Bangalore – 560 012**

I. Background:

The Indian Institute of Science (IISc) invites an expression of interest from Sewage Treatment plant design Consultancy firms to participate in **Planning, Design and Preparation of detailed estimate for repair and renovation of existing 2 X 500 KLD STP and 1 X 100 KLD at IISc Campus.**

Indian Institute of Science is a premier research institution of India.

IISc is planning to repair and renovate existing Sewage Treatment Plants (2 X 500 KLD) and Effluent Treatment plant (1 x 500 KLD) by assessing the condition of all equipment/structures/installations in the plant and repairing or replacing the worn out equipment accordingly.

This will be a two stage competition where the participated agencies capabilities will be evaluated based on the eligibility criteria and the qualified agencies will be requested to send commercial quotations.

II. EligibilityCriteria:

- a. Registration- The applicant shall be a company/ partnership / LLP firm registered in India under relevant Act as may be applicable (e.g. Indian Companies Act, 1956/2013; the Partnership Act, 1932 and who have their registered office in India.
 - b. Experience-The Consultancy should have atleast 5 years of experience in overall and a minimum of 3 years' experience working on similar assignments with academic institutions and allied agencies as on 04/08/2025.
 - c. Past Assignment- The Consultancy Firm must have atleast one completed project handled in the past equivalent to or above a budget of **Rs 2 crore** in the last three years. IISc will demand for the proof of Occupancy Certificate/work completion certificate as applicable.
 - d. Professional Fees- Applicant should have collected Professional fees of at least **Rs. 5 Lakhs** per year in the last three financial years.
 - e. Declaration for Transparency- Applicant should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by Govt. of India/ State Govt.
- (Please submit self-declaration format as per Annexure)

III. Project Details:

- There are two submerged membrane bioreactor STPs, each with a capacity of 500 KLD. One was commissioned in 2011, and the other in 2017.
- In addition, there is a 100 KLD ETP that was commissioned over a decade ago.
- Repairs and replacement of equipment, civil structural repairs and electrical and C & I installation overhaul are planned for these treatment plants to ensure they operate at peak efficiency.
- **In case of replacement of some equipment suggested, it needs to be justified with proper cost benefit analysis.**
- Existing plant details provided at Annexure - 2.

IV. Scope of Work:

- Visit the sites of the existing STPs (STP-1 and STP-2) and the ETP.
- Assess the condition of all equipment within the battery limit of the STPs and the sewage pumping station, deploying qualified engineers, mechanics, and electricians to inspect membranes, various Pumps, Air blowers, Air compressors, Agitators, Oil grease separators, coarse screen and fine screen , air diffusers, sensors, flow meters, pressure gauges, various valves, electric panels, HMI panel, MCC room, PLC , condition of pipe lines, pipe fixtures , civil structures, electrical and C&I installations. .
- Evaluate the condition of civil, electrical, mechanical and control & instrumentation (C&I) installations and recommend suitable repairs or replacements as needed. If replacement of equipment suggested, then it needs to be supported with proper cost benefit analysis.
- Prepare a detailed report on the condition of the equipment, specifying the required repairs/replacements along with indicative market quotations (minimum 3 quotes for each item).
- Prepare a cost estimate and Bill of Quantities (BOQ) for the recommended works.
- Draft technical specifications and tender conditions for repair/renovation works.

V. Criteria for Shortlisting:

The short listing of consultancy/firms will be done by a committee set up by Competent Authority, IISc.

The criteria used for evaluation would be:

Sl.No.	Criteria	Weightage
1.0	Experience	20

1.1	Number of years in consultancy practice	06
1.2	Past Assignments-experience in dealing with similar Projects listed under V(d)	14
2.0	Technical Aspects	60
2.1	Expertise and experience of key personnel (Separate list of permanent staff with proof of EPF Payments and Temporary staff to be enclosed along with educational qualification details)	20
2.2	Quality of past projects relevant to the current project listed under V(d)	40
3.0	Financial strength	20
3.1	Professional fees collection figure for last three years	20

VI. Documents required for validating eligibility criteria

- Registration- Certified copy of valid registration with the Council of Architecture/ Consultancy, with names and addresses, qualification and registration number allotted by concerned authority.
- Office Location- Certified copy of the Registration of Practice or other valid relevant document (to be specified by consultancy firm),
- Certified copy of valid registered partnership deed OR Certified copy of valid JV agreement, if applicable.
- Past Assignment- Details of past projects equivalent to or above Rs 2 crore in the last three years. These projects should involve design of academic campuses, research labs, corporates and R&D buildings.

EOI with all enclosures should be emailed to office.ccemd@iisc.ac.in or posted to the Office of the Project Engineer-cum-Estate Office, Indian Institute of Science, Sir C V Raman Road, Bengaluru – 560012 on or before **5.00 p.m. on 04.08.2025**. Late submissions will not be considered.

VII. IISc reserves the right to reject any/or all the EOIs without assigning any reasons whatsoever.

Annexure

Self-Declaration Format

Ref. No.:

Date:

To,
The Registrar
Indian Institute of Science

With reference to my/our expression of interest to IISc, it is hereby declared that I/ (name of firm) was not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period by any Govt or other agency.

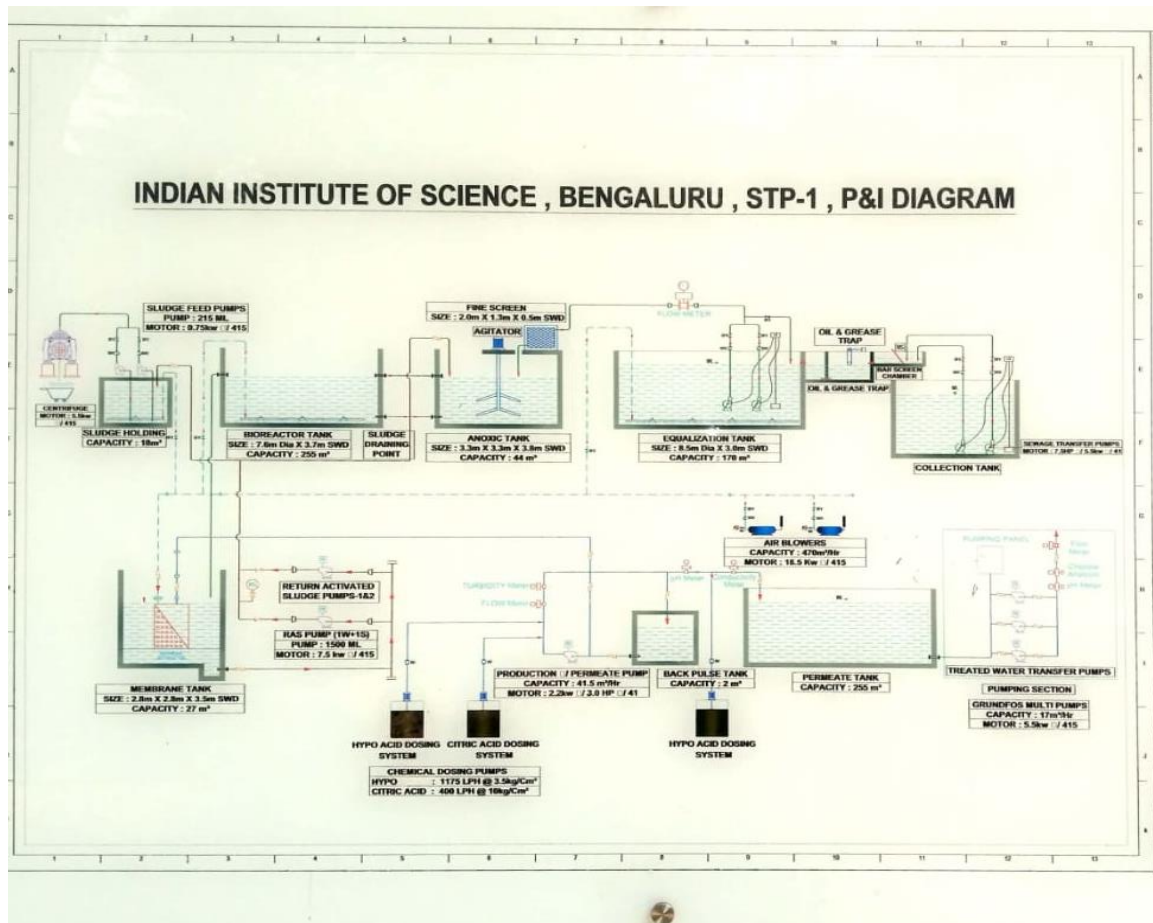
I/ (name of firm) also declare that there are no contractual restrictions or legal disqualifications or other obligations which will prohibit from me/us entering this bid and each and every one of the statement and particulars contained herein are correct.

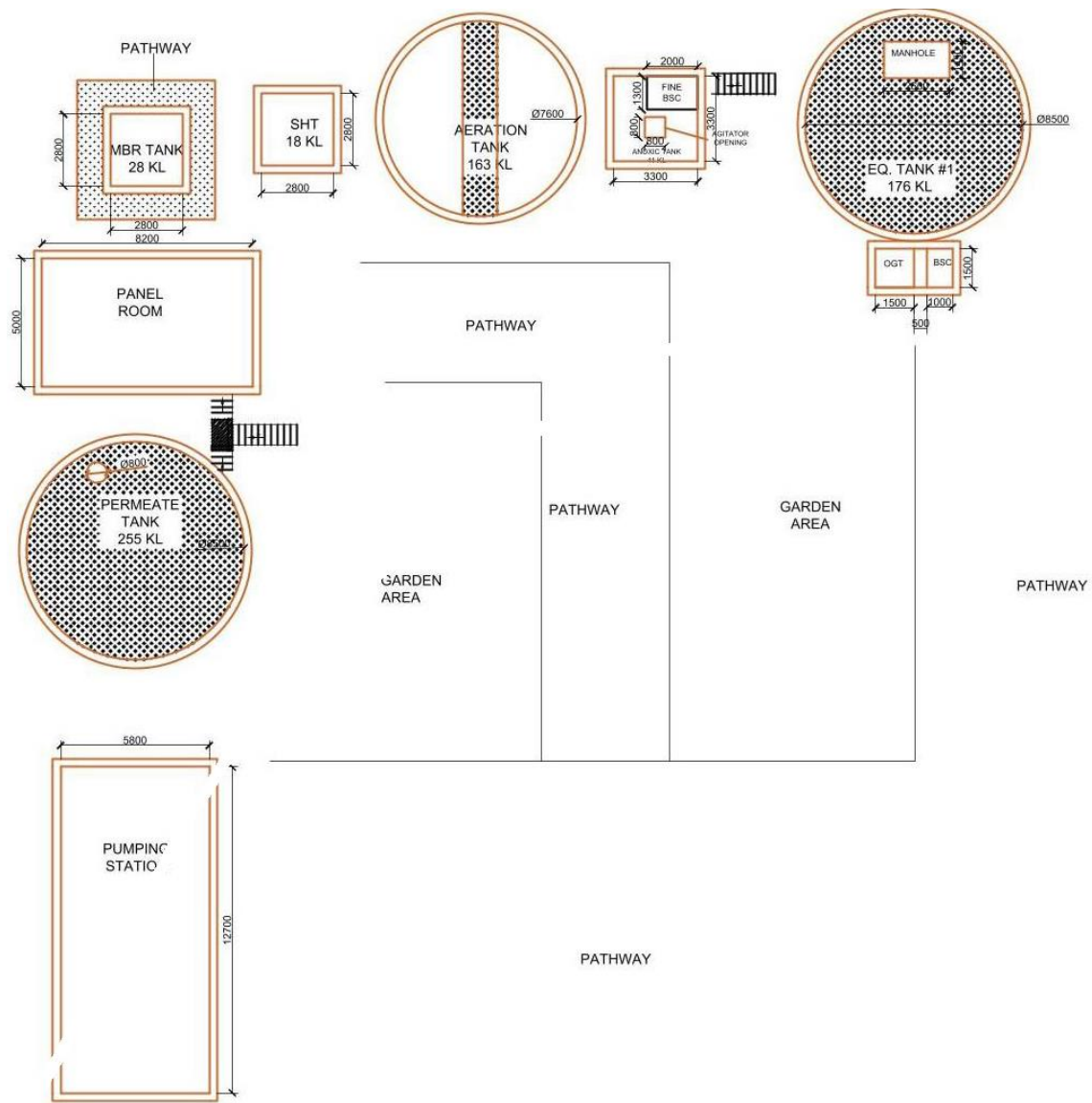
Signature of the Applicant

Date
Place

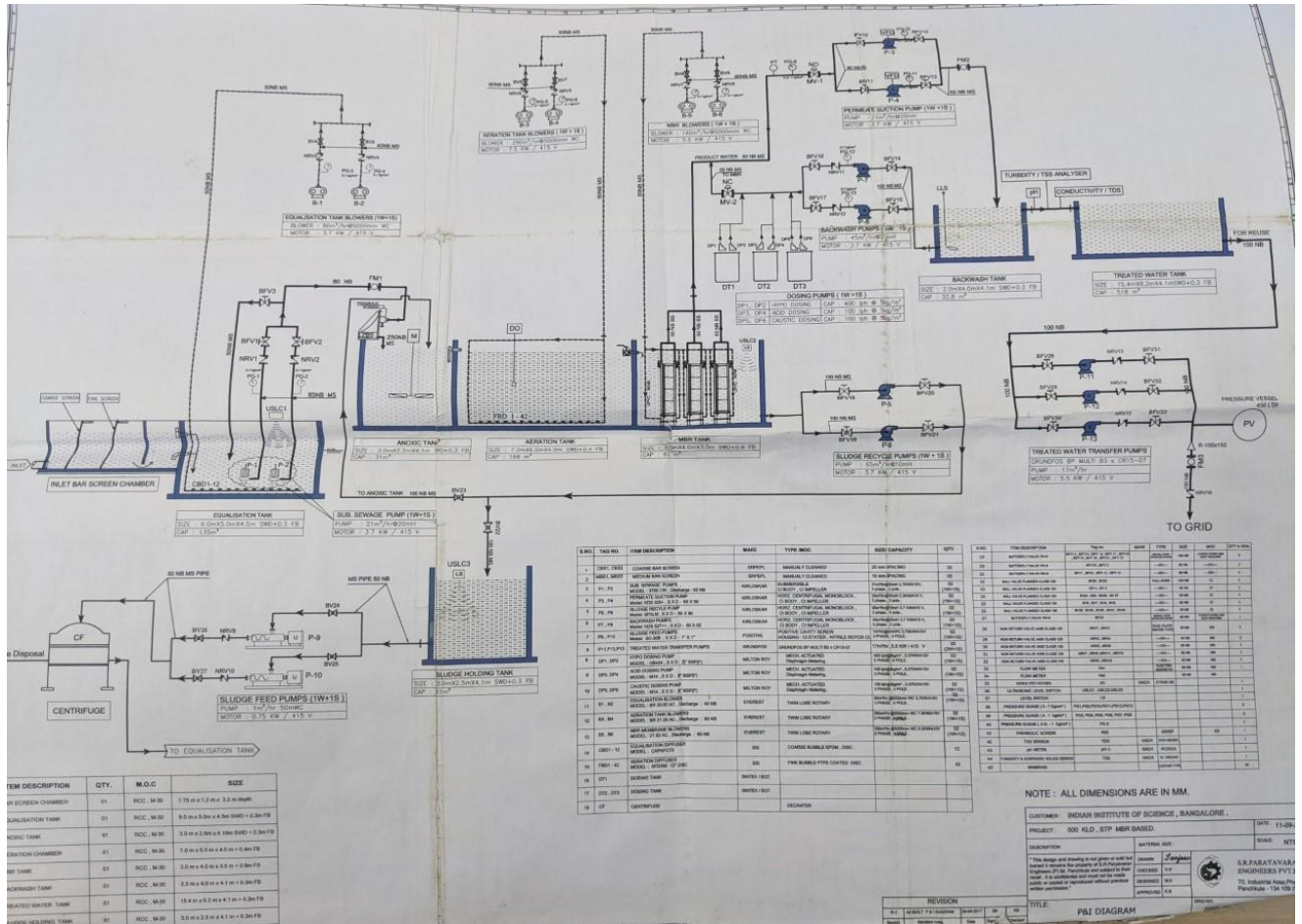
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Annexure 2





STP 1 Layout



STP 2 LAYOUT

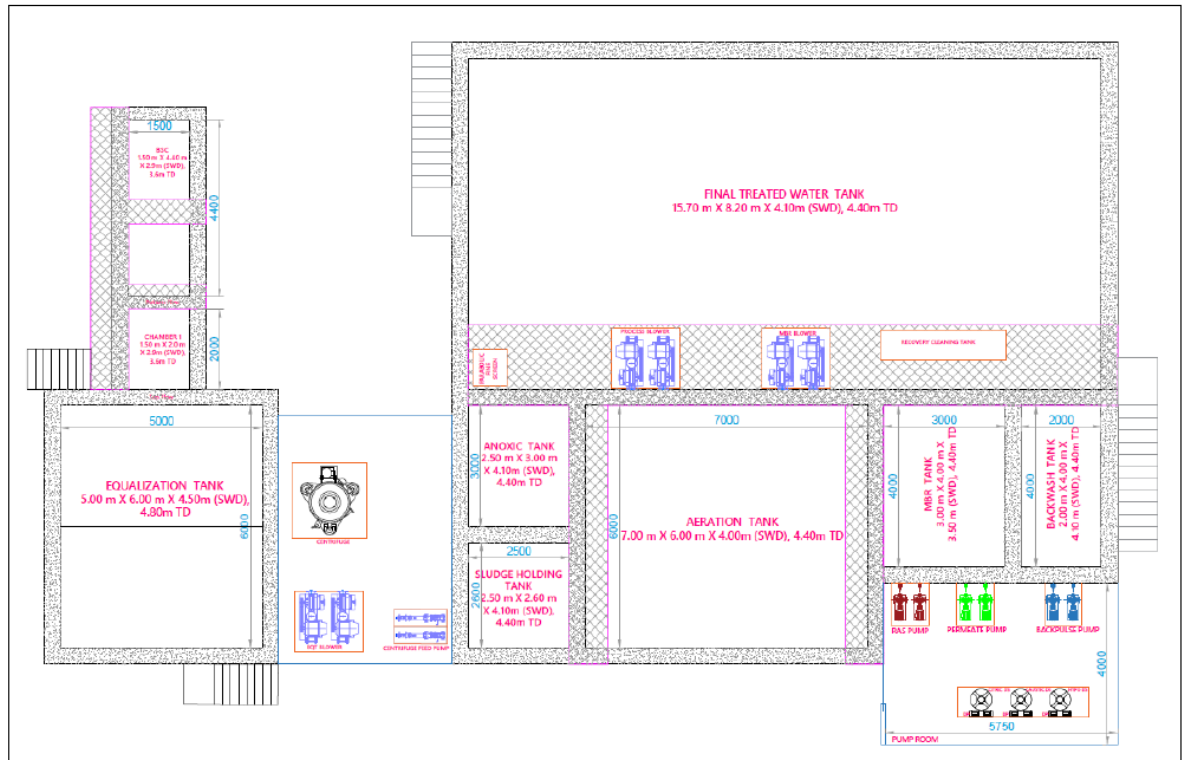


FIGURE 4 - GENERAL ALIGNMENT OF 500 KLD MBR STP – IISC BANGALORE

Ac
Go

STP 2 – GA

ETP(100 KLD):

ETP is a anaerobic +Aerobic digestion followed by Clariflocculation and filtration through dual media filter.