

REQUEST FOR PROPOSAL (RFP)

INVITATION OF TENDERS FOR OPERATION AND MAINTENANCE OF 100 KLD SEWAGE TREATMENT PLANT (STP) AT AWES CAMPUS, BANGALORE - 77

1. AWES Campus Bengaluru invites sealed proposals in two bid system from eligible and experienced agencies for **Operation and Maintenance (O&M)** of an existing **100 KLD Sewage Treatment Plant (STP)** located at AWES Campus, Nagareshwara Nagenahalli, Kothanur Post, Bengaluru-560077. The STP is currently installed and commissioned and is designed to treat domestic sewage to meet applicable discharge norms. RFP forms can be downloaded from AIFD website (www.aifd.edu.in) and submitted along with the Technical and Commercial Bids on payment of Rs 2000/- (Non-Refundable) by way of DD/ Pay Order/FD, in favour of **Principal, AIFD, AWES Campus, Bangalore**, payable at Bangalore.

Date of issue of RFP	-	23 Feb 2026.
Last date for submission of offers	-	15 Mar 2026 up to 11.00 AM.
Opening of Technical Bids	-	16 Mar 2026 at 12:00 PM onwards
Opening of Commercial bids	-	Will be intimated later on.
Submission mode:	-	By Post / Physical

All conditions and parameters will be evaluated with reference to firms submitting tenders. AWES reserves the right to reject any/all applications without assigning any reason whatsoever.

2. **Scope of Work** : The scope of work includes complete operation and maintenance of the 100 KLD STP, including but not limited to:

2.1 Operation

- 2.1.1 Daily operation of the STP to ensure continuous and efficient performance.
- 2.1.2 Monitoring of flow rates, process parameters, and treated water quality.
- 2.1.3 Ensuring treated water meets CPCB / SPCB / local authority norms.
- 2.1.4 Handling of sludge, including dewatering and disposal as per regulations.
- 2.1.5. Maintaining logbooks, operational records, and daily checklists.

2.2 Maintenance

- 2.2.1 Preventive and routine maintenance of all mechanical, electrical, and instrumentation equipment.
- 2.2.2 Maintenance of pumps, blowers, diffusers, motors, panels, valves, pipelines, and other accessories.

- 2.2.3 Breakdown maintenance and minor repairs.
- 2.2.4 Calibration of instruments and sensors.
- 2.2.5 Housekeeping of STP premises.

2.3 Manpower

- 2.3.1 Deployment of qualified operator(s) and technician(s) as required.
- 2.3.2 Ensuring trained personnel are available during operating hours.
- 2.3.3 Compliance with all labour laws and safety requirements.

2.4 Consumables & Chemicals

- 2.4.1 Supply and dosing of required chemicals (e.g., nutrients, disinfectants, polymers, etc.)
- 2.4.2 Lubricants, oils, and minor consumables required for routine operation.

(Major spares, if excluded, should be clearly mentioned by the bidder)

3. STP Details

3.1 Capacity: **100 KLD**

3.2 Type/Process: **[MBBR / SBR / ASP / MBR / Any other]** ✓

3.3 Source of Sewage: Domestic

3.4 Treated Water Usage / Disposal: **[Reuse / Discharge]**

3.5 Year of Commissioning: -2007

4. Duration of Contract

4.1 The contract shall be awarded for a period of one extendable to two years based on satisfactory performance and mutual consent.

5. Eligibility Criteria: The bidder must:

- 5.1 Have minimum **[2–5] years** of experience in O&M of STPs.
- 5.2 Have successfully operated at least **one STP of 100 KLD or higher capacity**.
- 5.3 Possess valid GST registration.
- 5.4 Not be blacklisted by any government or private organization.

6. Bid Submission: TWO BID SYSTEM OFFER

7. The offer will be in two parts, **Technical Bid and Commercial Bid**. Both the parts should be submitted in separate sealed covers duly **super scribed** in a sealed covers duly marked in separate sealed covers duly super scribed as per the procedures given below:-

7.1 **Technical Bids.** “**TECHNICAL BID FOR MAINT OF 100 KLD SEWAGE TREATMENT PLANT (STP) AT AWES CAMPUS, BANGALORE - 77**”.

7.2 **Commercial Bid.** “**COMMERCIAL BID FOR - MAINT OF 100 KLD SEWAGE TREATMENT PLANT (STP) AT AWES CAMPUS, BANGALORE 77**”.

7.3 **Both sealed Technical and Commercial Bids** should be placed in another sealed envelope “**OFFER FOR MAINT OF MAINT OF 100 KLD SEWAGE TREATMENT PLANT (STP) AT AWES CAMPUS, BANGALORE - 77**”. The tender documents can be dropped in the **Tender Box** placed at **Registrar’s Office or by post to AWES Campus, Kothanur Post, Bangalore – 560 077**. Any bid received after the deadline for submission of bid prescribed, will **NOT** be entertained and returned unopened to the Bidder.

TECHNICAL BID

8. The Technical Bids should be completed in all respect and contain all information asked for in this document. **It should not contain any price information**. The Technical Bid should comprise of the following documents:-

8.1 Copy of License/registration in the name of the Firm. The Contractor should be either a registered company or registered partnership or sole proprietorship firm reputed in civil works.

8.2 Copy of Proof of own infrastructure and office with documents (Brochures, leaflets, manuals etc, if any).

8.3 Copy of PAN card and Income Tax return for last three years.

8.4 Copy of certificate of GST number allotted to the firm.

8.5 **ORIGINAL** Demand Draft/Pay Order for **Rs 2000/- (Rupees Two Thousand only) (Non-refundable)** towards cost of RFP Forms, downloaded from AIFD website www.aifd.edu.in).

8.6 Proposed O&M methodology.

8.7 Manpower deployment plan.

8.8 Compliance statement to scope of work.

COMMERCIAL BID

9. The Commercial Bid should contain all relevant rates and charges to be quoted on a letterhead of the Firm. **No other documents will be attached with the Commercial bids**. Rates should be quoted in Indian Rupees only. The Commercial Bid should not contradict the Technical Bid in any manner. Commercial bid cover the followings :-

9.1 Monthly O&M charges (INR).

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9.2 Breakdown of costs (manpower, chemicals, consumables, etc.)

9.3 Applicable taxes.

10. **Evaluation Criteria:** Proposals will be evaluated based on:

- 10.1 Technical capability and experience.
- 10.2 Past performance on similar projects.
- 10.3 Adequacy of manpower and methodology.
- 10.4 Financial competitiveness.

11. **Payment Terms.**

- 11.1 Monthly payment based on satisfactory performance.
- 11.2 Submission of monthly operation report and invoice.
- 11.3 Payment within **[30] days** from receipt of invoice.

12. **Performance Standards & Penalties.**

- 12.1 Treated water quality must consistently meet statutory norms.
- 12.2 Penalties may be imposed for non-compliance, plant downtime, or poor performance.

13. **General Terms & Conditions.**

13.1 The client reserves the right to accept or reject any or all proposals without assigning reasons.

13.2 The bidder shall comply with all applicable environmental, safety, and statutory Regulations.

14. Any disputes shall be subject to jurisdiction of Bangalore only.

15. **Contact Details – Bidder can visit site and inspect STP to ascertain requirements.**

Name: Dr Thomas Mathew (Presiding Officer)

Designation: Assistant Professor

Organization: AIHM&CT, Nagareshwara Nagenahalli, Kothanur Post, Bengaluru-560077

Email: thomas.mathew@aihmctbangalore.edu.in

Phone:9448050295

16. **Service Level Agreement (SLA).** The Contractor shall operate and maintain the 100 KLD Sewage Treatment Plant (STP) in accordance with the provisions of this RFP, applicable statutory requirements, and directions issued by the Client/Engineer-in-Charge from time to time. Compliance with the Service Level Agreement (SLA) parameters defined herein shall be mandatory.

17. Failure to achieve the prescribed service levels shall attract penalties, which shall be recovered by way of deduction from the monthly O&M bills and/or Performance Security.

17.1 Performance Standards

Sl. No.	Performance Parameter	Minimum Service Level
17.1.1	Plant Availability	≥ 95% uptime per month
17.1.2	Treated Effluent Quality	Compliance with CPCB/SPCB discharge norms
17.1.3	Design Capacity	Continuous operation up to 100 KLD
17.1.4	Breakdown Response Time	Within 4 hours of notification
17.1.5	Preventive Maintenance	As per approved O&M schedule
17.1.6	Sludge Handling & Disposal	As per statutory guidelines
17.1.7	Housekeeping & Hygiene	STP premises maintained in clean condition
17.1.8	Manpower Deployment	As per approved manpower plan
17.1.9	Documentation & Reporting	Daily logs & monthly reports
17.1.10	Safety & Statutory Compliance	Zero tolerance for violations

18. **Penalty & Liquidated Damages (LD):** Penalties for non-achievement of SLAs shall be levied as **Liquidated Damages (LD)** and shall be final and binding. Levy of LD shall not absolve the Contractor from its obligations under the Contract.

18.1 Treated Effluent Quality

<u>Non-Compliance</u>	<u>Liquidated Damages</u>
Effluent parameters exceed permissible limits for 1 day	₹1,000 per day.
Exceedance for 2–3 consecutive days	₹2,000 per day.
Exceedance beyond 3 consecutive days	₹5,000 per day.
Repeated non-compliance (≥3 instances/month)	Action including termination.

18.2 **Plant Availability / Downtime**

Condition	Liquidated Damages
Monthly uptime <95% and ≥90%	5% of monthly O&M charges
Monthly uptime <90%	10% of monthly O&M charges
Continuous breakdown exceeding 48 hours	15% of monthly O&M charges

Downtime attributable to power failure, raw sewage non-availability, or force majeure shall be excluded, subject to certification by the Engineer-in-Charge.

18.3 **Manpower Deployment**

Deficiency	Liquidated Damages
Absence of required operator/technician	₹1,000 per person per day
Repeated absence (>3 days/month)	₹3,000 per occurrence

18.4 **Preventive & Corrective Maintenance**

<u>Deficiency</u>	<u>Liquidated Damages</u>
Failure to carry out scheduled preventive maintenance	₹2,000 per instance.
Equipment damage due to negligence	Cost recoverable from Contractor.

18.5 **Documentation & Reporting**

Deficiency	Liquidated Damages
Non-maintenance of daily logbooks	₹500 per day.
Non-submission of monthly performance	₹2,000 per month.

18.6 **Safety, Environment & Statutory Compliance**

Violation	Liquidated Damages
Minor safety/statutory non-compliance	₹2,000 per instance.
Major violation / SPCB notice / environmental damage	₹10,000 per instance.
Repeated violations	Termination after due notice

19. **Maximum LD & Termination**

19.1 The total Liquidated Damages recoverable in a month shall be limited to **20% of the monthly O&M charges**.

19.2 Persistent failure to meet SLA parameters for **three consecutive months** shall constitute a material breach of contract.

20 The Client reserves the right to **terminate the contract**, forfeit the Performance Security, and engage an alternate agency at the **risk and cost of the Contractor**.

21. **Performance Security**

The successful bidder shall submit a **Performance Bank Guarantee (PBG)** equivalent to **[5–10]% of the annual contract value**, valid for the contract period plus **60 days**, as security for due performance.

22. **Third-Party Testing & Performance Audit**

22.1 **Third-Party Effluent Testing**

22.1.1. The treated effluent quality of the STP shall be tested through a **NABL-accredited laboratory** approved by the Client/Engineer-in-Charge.

22.1.2 Third-party testing shall be carried out **at least once every month**, or more frequently as directed by the Client.

22.1.3 Samples shall be collected jointly by the Contractor and Client Representative.

22.2 Following standard sampling procedures as prescribed by CPCB/SPCB.

22.2.1 The cost of third-party testing shall be borne by the **Contractor**, unless specified otherwise in the Schedule of Quantities (BoQ).

22.2.2 The Contractor shall submit **original test reports** to the Client within **7 days** of sample collection.

23. Parameters for Testing. Third-party testing shall include, but not be limited to, the following parameters:-

- pH.
- BOD (3 days, 27°C).
- COD.
- Total Suspended Solids (TSS).
- Oil & Grease.
- Ammoniacal Nitrogen.
- Fecal Coliform / E. coli.
- Any other parameter prescribed by CPCB/SPCB or local authority.

24. Consequences of Test Failure

24.1 In case any parameter exceeds the permissible limits as per CPCB/SPCB norms:

24.2 The same shall be treated as **effluent quality non-compliance** under the SLA.

24.3 Penalties as specified in the **Penalty Matrix** shall be imposed.

25. The Contractor shall take **immediate corrective action** and submit a compliance report within **48 hours**.

26. Repeat testing shall be carried out at the Contractor's cost until compliance is achieved.

27. **Independent Technical Audit**

27.1 **Performance Audit**

27.1.1 The Client reserves the right to appoint an **independent technical agency/consultant** to conduct a performance audit of the STP.

27.1.2 Such audits may be conducted **quarterly or at any time** during the contract period.

27.1.3 The audit shall assess:

27.1.3.1 Process performance and plant efficiency

27.1.3.2 Compliance with design capacity and treated water norms

27.1.3.3 Condition of mechanical, electrical, and instrumentation systems

27.2 O&M practices, manpower deployment, and safety compliance

28. **Audit Observations & Compliance**

28.1 The Contractor shall comply with all observations and recommendations issued in the audit report within the time frame specified by the Client.

28.2 Failure to rectify deficiencies within the stipulated time shall attract penalties as per the SLA and may be treated as a **material breach of contract**.

28.3 Cost of corrective actions, repairs, or replacements arising out of audit findings shall be borne by the **Contractor**.

29. **Regulatory Inspections**

29.1 The Contractor shall extend full cooperation during inspections by **SPCB/CPCB or any statutory authority**.

29.2 Any notice, direction, or penalty imposed by statutory authorities due to operational lapses shall be the **sole responsibility of the Contractor**.

29.3 All statutory penalties, environmental compensation, or fines arising from non-compliance shall be recoverable from the Contractor.

30. **Records & Data Integrity**

30.1 The Contractor shall maintain accurate operational records, laboratory reports, and calibration certificates.

30.2 Any falsification, manipulation, or suppression of data shall be treated as **fraudulent practice**, leading to termination of contract and forfeiture of performance Security.

(LETTER OF THE CONTRACTOR ON LETTERHEAD)

The Principal,
AIFD,AWES Campus
Kothanur Post,
Bangalore – 560 077

Dear Sir,

UNDERTAKING BY THE CONTRACTOR FOR "OPERATION AND MAINTENANCE OF 100 KLD SEWAGE TREATMENT PLANT (STP) AT AWES CAMPUS, BANGALORE -77

With reference to your tender notice published in the Newspaper dated ____ Feb 2026 and the RFP published in your website with effect from ____ Feb 2026, having examined and understood the instructions, terms and conditions forming part of the RFP, we hereby enclose our offer for " **OPERATION AND MAINTENANCE OF 100 KLD SEWAGE TREATMENT PLANT (STP) AT AWES CAMPUS, BANGALORE -77** in your above referred RFP.

We confirm that we have not been disqualified by any PSUs/ Govt undertaking for contract of work.

We further confirm that the offer is in conformity with the terms and conditions as mentioned in the RFP. We also confirm that the offer of bid shall remain valid for 60 days from the last date of submission of the offer.

We hereby confirm that we have read the terms and conditions given in the RFP and agree to them fully.

We enclose herewith a Demand Draft/Pay Order/FD of Rs. 2000/- (Rupees Two Thousand only) favouring Principal AIFD, Bangalore and payable at Bengaluru, towards cost of RFP Form. Details of the same areas under:-

- Demand Draft/Pay Order No : _____
- Date of Demand Draft/Pay Order : _____
- Name of issuing Bank : _____

Authorized Signatories

(Name & Designation, seal of the firm)

(Letter to the Principal AIFD, AWES Campus on the Contractors letterhead)

CONTRACTOR / ORGANISATION PROFILE

1. Name of the Organization and Address:
2. Year of Establishment:
3. Status of the firm:
(Whether Pvt. Ltd. Company/Public Ltd. Company / Partnership Firm)
4. Whether registered with the Registrar of Companies/Registrar of Firms in India, if so, mention number and date and enclose Registration Certificate copy.
5. (a) Name and address of Bankers:

(i)	(ii)
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(b) ITR of the Company/Firm for last three years.
(Please attach copies of ITR as proof documents)
6. Whether registered for Service Tax purposes. If so, mention number and date.
7. Since when and how long your Company/firm has been involved in such project works/supplying of such stores?
8. Certified that:-
 - (a) All the information furnished by me/us above here is correct to the best of my/our knowledge and belief.
 - (b) I / We agree that I / We have no objection if enquiries are made about the work listed by me / us here in above and / or in the accompanying sheets.

Place:

Date:

SIGNATURE: _____

Name & Designation & seal of the Company