



Government College of Technology
(Autonomous Institution Affiliated to Anna University)
Thadagam Road, Coimbatore- 641013 Tamil Nadu, India
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NOTICE INVITING TENDER

TEQIP-III/TN/gctc/100

12-Jan-2021

Online bids are invited through portal <https://eprocure.gov.in> from interested bidders for the supply of Photobioreactor:

Parameter	Technical specification	Quantity
Fermentor vessel	<ul style="list-style-type: none">➤ Borosilicate (pyrex) glass vessel.➤ Total capacity 4.6 litres (approx.) or more➤ Working volume range 40-70% of total volume➤ Stainless steel head plate with ports & fittings for the following :-<ul style="list-style-type: none">• Air inlet to sparger• Sensor port(s)• Spare port(s)• Air exhaust (vent)• Additional port(s)• Inoculation cum sampling• Thermowell	I No.
Agitation (stirring) arrangement	<ul style="list-style-type: none">➤ Magnetic stirrer with knob for speed setting, range - 300 – 1500 RPM or better➤ PTFE coated magnetic stirrer bar for gentle stirring.➤ Digital RPM indicator	
Illumination	<ul style="list-style-type: none">➤ LED lamp producing light in the range of 470-630 nm wavelength and upto 5000 lux intensity➤ Mounting arrangement for the above lamp➤ Alternative lamps - should also be used by the end user, as per requirement	
Heating-based temperature measurement & control system	<ul style="list-style-type: none">➤ RTD Pt-100 temperature sensor➤ Two-stage temperature control arrangement for accurate control :-<ul style="list-style-type: none">○ Master control :- Microprocessor-based digital temperature indicator-controller for coarse control○ Slave control :- Thermostat control with fine adjustment knob➤ Warming plate on which the fermentor vessel is placed, as the heat source➤ Control range : room temperature upto 60 °C	

Control panel console	<ul style="list-style-type: none"> ➤ CRCA powder coated control panel console with electrical switchgear, panel accessories & mounting arrangement for various panel-mounted instruments ➤ Suitable for tabletop mounting adjacent to fermentor 	
Mounting	<ul style="list-style-type: none"> ➤ Suitable for mounting on laboratory benchtop or platform 	

S.No	Accessories Required
1	Online sterilizable pH monitoring & control system, range 2-12 pH or better
2	Online sterilizable DO monitoring system (without control facility)
3	Online temperature monitoring & control system, range 10-50°C or better
4	Online sterilizable foam control system (antifoam addition based)
5	Multipurpose fed-batch/sampling/inoculation facility
6	Online exhaust O ₂ gas monitoring system (without control facility)
7	Online exhaust CO ₂ gas monitoring system (without control facility)
8	Data logger with software & communication cable

Instructions /Terms and Conditions

1. The bidders must be registered with NIC CPP and Tamil Nadu Government e-procurement system portal and also should possess Digital Signature Certificate.
2. All the items/Goods/Equipment/machineries/articles should be delivered and installed at the college premises only.
3. The online bids should be submitted directly by the original manufacturer/Supplier, if the bid is submitted/filled/uploaded by any representative/agent/dealer then they must upload an Authorization certificate.
4. Bidders should submit their bids in two bids system through online in prescribed format only.
 - a. Technical Bid:
Shall be submitted the bid along with the necessary document mentioned.
 - b. Financial Bid:
 - i. In xls format only (Excel Format).
 - ii. Rate per unit should be mentioned separately.
 - iii. All rates quoted should be in Indian Rupees (INR) only.
 - iv. Price quoted by the bidder should be **firm and final**.
5. Bids in physical form or in any other manner will not be accepted.
6. Bidders must not be black listed by any of the department / Institution of Government of Tamil Nadu.
7. The Bidders should possess a valid GST identification number. The copy of the GST registration Certificate is to be submitted / uploaded. Non-Registered firms are not entertained and bids shall be rejected.

8. Incomplete / Not clear / bids shall be rejected.
9. The rates quoted should be open for acceptance for a period of **60 days**. The offer should be for immediate delivery i.e. within fifteen working days from the date of receipt of our order or as specified in the purchase order.
10. Non execution of the order within the prescribed date will lead to cancellation of orders placed. The supplier may be black listed.
11. The bills for the supply should be submitted in triplicate along with an Advance Stamped Receipt for payments.
12. The payment will be made within reasonable time only after the receipt, installation in good working condition and training of the equipment needs to be provided.
- 13. FIRMS/COMPANIES LOCATED IN TAMILNADU ARE ONLY ELIGIBLE TO PARTICIPATE THE TENDER**
14. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
15. In the event of placing an order with you, , you should **execute an agreement** with the principal , Government College of Technology,Coimbatore-641013 on a Non- Judicial stamp paper of Tamilnadu Government.
16. All duties and other levies payable by the supplier under the contract shall be included in the unit price.
17. All supplied items are under warranty of **24 months** from the date of successful acceptance of items.
18. The Principal/ TIA reserves the right to cancel the tender without assigning any reasons
19. For any Corrigendum and addendum please visit www.gct.ac.in.

P. Th
12/01/2021
THE PRINCIPAL

Principal
Government College of Technology
Coimbatore -641 013.