

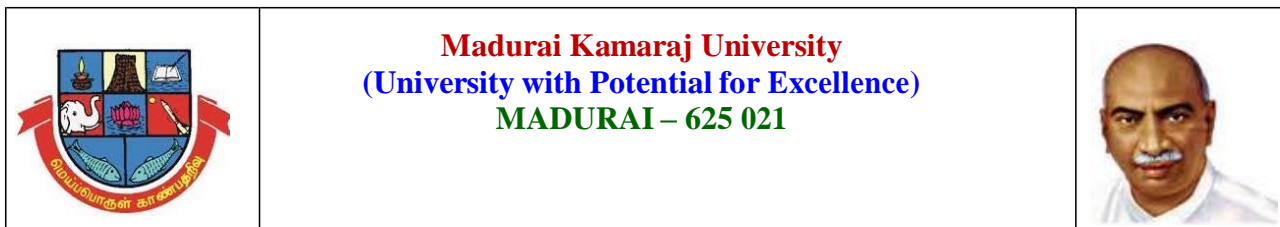


TENDER NOTIFICATION
SCHOOL OF BIOTECHNOLOGY

	MADURAI KAMARAJ UNIVERSITY <i>(University with Potential for Excellence)</i> Madurai - 625 021, Tamil Nadu, INDIA.		
Ref. No.:06/SBT/DPT/PG/SERB-EEQ Project/2025-2026		Date: 17.11.2025	
<p>For and on behalf of School of Biotechnology, Madurai Kamaraj University, sealed tenders (Two-cover system) are invited by Dr.P.Gopal, Principal Investigator (SERB-EEQ Project), Department of Plant Biotechnology, School of Biotechnology, Madurai Kamaraj University, Madurai - 625 021, under the SERB, Government of India sponsored Project, for the supply and installation of the following items, from the Reputed suppliers/vendors.</p>			
SI. No.	Particulars	EMD Amount	Period of validity
1	Deep Freezer (vertical)	1% of the budget cost	90 Days
2	PCR Machine	1% of the budget cost	90 Days
<p>Sealed Tenders are invited until 5.30 p.m. on 01.12.2025, which will be opened by the Purchase Committee constituted for that purpose by Madurai Kamaraj University within a week after receipt of the quotes. Technical Bid along with EMD and Price Bid must be submitted separately in sealed cover and should not be clubbed together. Quotes without EMD will not be considered and summarily rejected. EMD should be furnished in the form of DD drawn favour of “The Principal Investigator & the Chairperson SERB-EQ Project”.</p>			
<p>The specifications, terms & conditions are available in the University website www.mkuniversity.ac.in from the date 17.11.2025. The tender documents and the instruments specifications are available for downloading at the website. Last date for the submission of quotes is date 01.12.2025 (before 5.30 PM).</p> <p>Dr.P.Gopal, Assistant Professor, Principal Investigator (SERB-EEQ Project), Department of Plant Biotechnology, School of Biotechnology, Madurai Kamaraj University, Madurai - 625 021.</p>			



Tender Conditions

Sealed Tenders are invited for the supply of listed equipment's (SI. No.: 1 to 2) for the SERB sponsored Project, Department of Plant Biotechnology, School of Biotechnology, Madurai Kamaraj University, Madurai - 625021 up to 5.30 pm on date 01.12.2025.

The Tender applications are expected from the reputed Manufacturers / Authorised dealers. Tenders in sealed cover as super scribed **“Tender quotes for the supply of (1) Deep Freezer (vertical) - 1 No(s), (2) PCR Machine - 1 No(s)”**. The tender documents should be addressed to **“Dr.P.Gopal, Assistant Professor, Principal Investigator (SERB-EEQ Project), Department of Plant Biotechnology, School of Biotechnology, Madurai Kamaraj University, Madurai - 625 021”**.

Two cover systems: The Tender document relating to the Technical Bid duly filled in and signed must be put in sealed cover super scribed as **“Technical Bid”**. The sealed Tender cover containing the Technical Bid should be sent with Earnest Money Deposit (EMD). A crossed demand draft 1% to the total cost value should be drawn in favour of **“The Principal Investigator & the Chairperson SERB-EEQ Project”** towards EMD charges. The Tender document relating to the Commercial Bid must be duly filled in and signed and must be put in a sealed cover separately, super scribed as **“Commercial Bid”**. Both the sealed Technical and Commercial Bids should be sent in a sealed cover to **“Dr.P.Gopal, Assistant Professor, Principal Investigator (SERB-EEQ Project), Department of Plant Biotechnology, School of Biotechnology, Madurai Kamaraj University, Madurai - 625 021”**. Covers received without such superscription will be summarily rejected.

The University will not be held responsible for the postal delay and postal transit. Any Tender received after the due date and time will summarily be rejected. Tenderers will be informed the date of opening the Tender. The tenderer should enclose an attested Xerox copy of the commercial tax certificate regarding GST number. The supply should be made within 30 days from the date of receipt of supply order.

The bidders must fulfil the following Eligibility conditions and also submit documentary evidence in support of fulfilling these conditions while submitting the Technical Bid. The University will consider the Price Bid of the vendors who qualify in the Technical Bid. For those vendors who are not qualified in the Technical Bid, the Price Bid will not be considered. The bidder should submit i) GST, ii) TIN number, iii) Income Tax return details, iv) List of Institutions / Organizations supplied, v) Dealership certificate / Company Profile, etc.

The rates quoted by the firm should be valid for a period of one year from the date of acceptance of tender and no escalation of rates will be allowed under any circumstance. **“EMD will be exempted for those providing MSME Certificate” (Items Manufactured in India).** The tenders received on the date specified in the Tender Schedule will be opened by the Committee constituted by University within a week at School of Biotechnology, Madurai Kamaraj University, Madurai - 625 021.

The successful tenderer should deliver the items on destination and no freight charges will be paid by the University on any circumstances. If the successful tenderer fails to execute the above supply as per the schedule and satisfaction of the authorities, the resultant excess expenditure will be recovered from the tenderer apart from forfeiting the EMD amount. If any tender is withdrawn, the EMD of the tenderer will be forfeited.

Dr.P.Gopal, Assistant Professor, Principal Investigator (SERB-EEQ Project), Department of Plant Biotechnology, School of Biotechnology, Madurai Kamaraj University, Madurai - 625 021, is under no obligation to accept the lowest or any tender and reserve himself the right to accept or reject any tender in whole or in part without assigning any reason and tender will be accepted only on those conditions. Also he reserves the right to accept or reject any tender without assigning any reason. Tenders received in ordinary covers without seal will not be considered.

Item no: 1. -80 Deep Freezer – 1 No(s)

Technical Specifications:

1. Freezer capacity should be 380L to 400L
2. Shelf should be 3/4 No's Adjustable, S.S.
3. Refrigeration Type should be direct refrigeration
4. It should have manual defrosting type.
5. Refrigerant/g should be mixed refrigerant, CFC free
6. Built in cascade refrigeration system
7. Noise should be 60dB (A)
8. Temperature Controller : Microprocessor based controller
9. Ambient temperature should be 10~32°C
10. Temperature range should be -40°C~-86°C
11. Evaporator should be built-in coil, copper pipe
12. Condenser should be Copper tube and aluminum fin
13. It should have PT1000 sensor.
14. It should contain Electronic thermostat.
15. It should have LED display
16. Power Supply : 110~220V/50~60Hz
17. Internal Material should be S.S. 304
18. External Material should be Sprayed cold-rolled steel plate
19. Lagging should be Foamed polyurethane cyclopentane
20. High and low temperature alarm, Power fault alarm, Thermostat fault alarm, Door switch alarm
21. Warranty: 3 years
22. Should be supplied with suitable servo stabilizer
23. EMD:1%
24. Price should include Tax and Air freight, insurance and customs clearance if any
25. The Service should be provided till the warranty period and Service support should be available within Tamil Nadu
26. The Reseller's Registered Office must be located within Tamil Nadu

Item no: 2. PCR-Machine -1 No(s)

Technical Specifications:

1. The Thermal cycler should offers optimal accuracy and versatility to suit all PCR needs. With a new generation central processing unit (CPU) and an intuitive user interface operated using an 8 inch touchscreen with 800x600 pixels and touch screen with preloaded protocols, ease of use is unparalleled.
2. System should have dual 48 well blocks to run two different protocols at a time.
3. It should have the option for interchangeable blocks with 96 wells and 384 wells
4. Blocks should have an adjustable compression pad for optimal hot lid pressure on tubes. It should have advanced thermo electric elements and technology provides stable and reliable performance
5. It should have maximum ramp rate up to 5°C/s, and can be adjusted based on experiment requirements and Block or tube temperature control modes for higher reagent compatibility
6. It should contain power-off recovery, temperature time increase/decrease progressively, pause function
7. It should have colourful large-screen display, intuitive operation interface, simple and clear operation
8. It should contain Power-off protection function, and after power supply recovery
9. It should have Height and pressure adjustable hot lid to adapt to different reaction tubes and effectively prevent reagent evaporation and contamination
10. The system should have a custom-built Peltier and a redesigned block the Thermal Cycler provides exceptionally fast heating and cooling rates, as well as impeccable temperature accuracy and uniformity across all wells
11. The Thermal cycler should possess a gradient function, allowing for better, faster and more efficient optimization of PCR protocols. The single click locking and temperature adjustable lid enables use of various consumables, and prevents too much evaporation and condensation at the top of the tube
12. Capacity should be 48x2x0.2ml tubes, 12x 8-strip 0.2ml tubes,
13. Temp. Range: 4 deg to 105C
14. It should contain 0.1C Min. Resolution.
15. Max. Heating Rate should be 5°C/s and Max. Cooling rate should be 4°C/s
16. Temp. Uniformity should be $\leq \pm 0.2C$
17. It should have $\leq \pm 0.2C$ 30 seconds after reaching 55, 72 and 95C temperature accuracy.
18. Heated Lid Temp. Range should be 30-110C
19. Gradient temp. Difference Range should be 1-30C
20. Max. Program Memory: ≥ 5000 + potentially infinite with USB Flash Drive Expansion

21. User should be able to edit file while running and it should support for USB mouse and connection should have both USB and Ethernet
22. Power Supply: 100~240V 50~60Hz 600W
23. Should be a CE certified model and the respective certificate must be submitted with the tender
24. Warranty: 3 years
25. Should be supplied with suitable servo stabilizer
26. EMD: 1%
27. Quotes price should be inclusive of NABL Calibration service for 80 No(s) of Micropipettes'
28. Price should include Tax and Air freight, insurance and customs clearance if any
29. Service support should be available within Tamil Nadu
30. The Reseller's Registered office must be located within Tamil Nadu
