



KERALA AGRICULTURAL UNIVERSITY
BANANA RESEARCH STATION
P.O. Kannara, Marakkal, Thrissur – 680 652
Phone: 0487-2699087 Email: brskannara@kau.in



No.BRS (2).2750/2022

Dated: 22. 12.2022

TENDER NOTICE

Sealed tender is invited for the supply of Gradient Thermal Cycler & Power pack

I. SPECIFICATIONS FOR GRADIENT THERMAL CYCLER

1. The thermal cycler should have 96 well block format. It should be compatible with 02 mL PCR tubes, strip tubes, 1x96 well plate
2. Should have a block ramp rate of 4°C/sec or better with Peltier based heating and cooling
3. Temperature range of the block should be 0°-100°C and should have heated lid with temperature adjustable upto 105°C
4. It should have gradient feature to precisely set target temperatures for PCR optimization
5. The peltier block should have atleast three segmented temperature zones with a range of 20°C (10°C from zone to zone) and should enable to set upto three user- defined annealing temperatures simultaneously
6. Temperature accuracy: $\pm 0.25^{\circ}\text{C}$ (35 -99.9°C)
7. Temperature uniformity: $< 5^{\circ}\text{C}$ (30 sec after reaching 95°C)
8. Sample volume range: 10-80 μL
9. The instrument should have the ramp rate simulation feature to run other PCR instrument models with pre-programmed thermal simulation modes
10. The instrument should have the security system to create username and password for each user as well as the password protection could be turned off under the administrative user
11. The thermal cycler should have the auto restart facility in the events of power failure
12. It should have a memory to store 1000 or above experimental protocols
13. Instrument should have USB, ethernet interfaces
14. It should have provision for convenient remote access of monitoring using cloud or equivalent networks
15. Should have user-friendly touch screen LCD display (8 in or above)
16. Should be a CE certified model

II. SPECIFICATIONS FOR POWER PACK

Electrophoresis power supply

1. It should have 4 output terminals
2. Output:
 - Constant voltage: 10 to 300V DC

- Constant current: 4 to 400 mA

3. 2-year warranty

Last date of receipt of tender	-	31.12.2022 at 11 a.m
Date & time of opening of tender	-	31.12.2022 at 12.00 Noon

Terms and conditions

1. Tender should be submitted in the prescribed forms which can be downloaded from the website www.kau.in. The cost of tender form is 0.2% of the quoted amount rounded to the nearest multiple of Rs.100/- subject to a minimum of Rs.400/- and maximum of Rs.1500/- +GST12%. The same will be accepted by way of Demand Drafts separately for tender fee. The cost of the tender forms will not be refunded under any circumstances.
2. The tender should be accompanied by an agreement in Kerala Stamp Paper worth Rs.200/- (Rupees Two hundred only) and format can be downloaded from the above website.
3. The successful tender should execute an agreement in Kerala stamp paper worth Rs.200/- (Rupees two hundred only) and furnish a security deposit of 5% of the cost of the equipment quoted in the form of term deposit/ bank guarantee/ demand draft drawn in favour of **The Professor and Head, Banana Research Station, P.O. Kannara, Thrissur, Kerala, Pin-680652** payable at the State Bank of India, Kannara (Branch Code:02255), when directed form this office. The format for the agreement can be downloaded from the above website.
4. Tender should be accompanied an Earnest Money Deposit (EMD) @1% of the total rupee equivalent to the cost of the quoted items (subject to minimum of Rs.1500/-) by way of Demand Drafts drawn in favour of **The Professor and Head, Banana Research Station, P.O. Kannara, Thrissur, Kerala, Pin-680652** payable at the State Bank of India, Kannara (Branch Code:02255). If exempted from payment of EMD a valid certificate from the Store Purchase Department, Govt. of Kerala should be furnished.
5. The sealed cover containing the tender should be superscribed "**Tender for the supply of Gradient thermal cyler & Power pack**" (along with the notification number) and addressed to the **Professor and Head, Banana Research Station, P.O. Kannara, Thrissur, Kerala, Pin-680652**.
6. The tenders will be accepted up to 11.00 a.m on 31.12.2022 and it will be opened on the same say at 12.00 noon
7. The rate of the item should be clearly mentioned with specification. Warranty details should be clearly stated. The rate quoted for item should be inclusive of all charges including installation and taxes if any and should be valid up to 31.03.2023.

8. Period of firmness of quoted rates/ prices should be clearly stated in the offer.
9. The Equipment should be packed well with necessary caution slip and also be insured against damage in transit at the own expenses of the tenderor. The payment as per the invoice will be made only on receipt of the articles in good condition as per specifications and satisfactory installation.
10. Tenderor is liable to replace the defective articles immediately on receipt of intimation. Any failure on the part of the supplier in the fulfilment of contractual obligation will result in the forfeiture of EMD/ Security Deposit.
11. The supply order will be issued on the acceptance of the tender and the invoice should be addressed to **The Professor and Head, Banana Research Station, P.O. Kannara, Thrissur, Kerala, Pin-680652**. The payment will be effected only after satisfactory supply of the items.
12. The tenderor should supply the items to **Banana Research Station, P.O. Kannara, Thrissur, Kerala, Pin-680652** within 15 days from the date of the receipt of the supply order.
13. All the rules and regulation applicable to Government tenders will be applicable to this tender also.

Special conditions

- Tenders insisting payment in advance either full or part for releasing the documents through bank are liable for rejection.
- In the case of electrically operated equipment the circuite diagram will have to be supplied.
- In the case of equipment wherever necessary the supplier should arrange to install and demonstrate the equipment initially without any additional charges.
- Operation manual and guaranty card of the equipments wherever required should be supplied along with the equipments.
- Details of maintenance service contract offered after the expiry of normal warranty and after sales service facilities available should be indicated.
- Preference will be given to articles having ISI mark if all other conditions are satisfactory.
- Enquiries if any may be mailed to brskannara@kau.in



PROFESSOR & HEAD

Telephone: 680 652
Banana Research Station
Kannara P.O.
Thrissur-680652

To:

Notice Board/ Firms/ Office/ www.kau.in/ announce@kau.in

Copy to: Dr. Dicto Jose M, Assistant Professor (Horticulture)

