



National Bureau of Plant Genetic Resources
(Indian Council of Agricultural Research)

Regional Station, Umiam, Meghalaya – 793103
Tele: 0364 2570193 E-mail: shillongnbpgr@gmail.com



File No. SHG(PR)7/Purchase/DBTTWIN/2013-14/05

Dated April 25, 2014

To,

Sub: Quotation for purchase of equipments: thermal cyler, gel documentation system and refrigerated micro-centrifuge.

Dear Sir/Madam,

The institute wants to purchase equipments (thermal cyler, gel documentation system and refrigerated micro-centrifuge). You are requested to please send your quotation having rates for the purchase of the equipments to the undersigned latest by **19 May, 2014 at 2.00 PM** duly marked as **“Quotation for[name of particular equipment] for DBT NER-TWINNING project”** on the cover and this should be sealed. The office will not be responsible for postal delay. The quotations should be addressed to Officer-In-Charge, NBPGR Regional Station, Umiam, Meghalaya 793103. The specifications of the equipments are listed in **Annexure – I**.

In case of non-compliance of the terms and conditions, the quotations are liable to be ignored. The quotations may be sent by speed post/ registered post or put in ‘Quotation Box’ kept in Bureau’s office at Umiam for this purpose.

The following terms and conditions to be adhered while submitting the quotations:

1. The amount of bid security (Earnest money) should be deposited as **₹ 8000/-** (for each quoted equipment) in the form of Account Payee Demand Draft from any nationalized banks in favour of the Officer-In-Charge, NBPGR Regional Station, Umiam, Meghalaya payable at Shillong and should remain valid for a minimum period of six months. Non-submission of the bid security with quotation shall make the quotation/ bid liable to be rejected.
2. Separate quotations along with necessary documents must be submitted for individual items. Every quotation should consists of two Bids system – the techno-commercial bid (**Bid-I**) and the financial bid (**Bid-II**). Both must be submitted in two separate envelops to be sealed and put in a single main envelop.
3. The technical bid should consists of all the technical details like detailed specifications, brand name, model and make, catalogue, authorization letter, dealership certificate, company registration certificate, sales tax certificate, VAT registration certificate, etc. along with all the commercial terms and conditions. In case where VAT/CST/Service charges etc. are charged, the details of category under which the item is charged and from which state etc. should be given. An attempt to under charge such duties may lead to rejection of bid. Dealership certificate/agency certificate for the manufacturer/ manufacturing firm should be enclosed, if the rates are quoted by the Dealers/Agents. The earnest money should be mandatorily kept in the technical bid only.
4. The financial bid should consists of the rate only and should be quoted separately for each item and enclosed in separate envelope. Price quoted must be given per unit and must be all inclusive, including packing, forwarding, delivery charges, taxes, VAT, etc., as may be applicable. The amount of discount, etc. offered by the bidder should be specifically shown as admissible. The rates should be quoted up to NBPGR Regional Station, Umiam, Meghalaya. **The rates must be valid for at least six (06) months from the date of the quotation.**
5. In case the tenders are accepted by NBPGR but not adhered to by the concerned firm, its bid security will be fortified.

6. No Sale Tax Form “C” or “D” will be issued from NBPGR.
7. Incomplete bids are liable to be ignored.
8. The Director, NBPGR reserves the right to disqualify/ cancel all or any of the tenders without assigning reason thereof.
9. The decision of the Director, NBPGR, New Delhi, shall be binding on all issues relating to tender.
10. Compliance statement in tabular form giving details as per specifications given in the tender documents, DO NOT copy paste specifications.
11. Literature in support of compliance statement (supply original brochures, avoid photocopies).
12. Conditions of advances payment before the supply and satisfactory installation of the equipments are NOT ACCEPTABLE.
13. Bidder should not be permitted to alter or modify their bids after expiry of the deadline for receipt of bids.
14. The Buyer shall not be responsible for payment of transit insurance charges.
15. Suitable provision for settlement of disputes, if any emanating from the resultant contract, should be kept in the bidding document.
16. Provide the following information:
 - (1) IFCS Code
 - (2) Account No.
 - (3) Name of the Bank and its Branch

Encl: Annexure – I (Specifications)

Yours sincerely



Project Investigator

Copy to:

1. Chairperson, Tender Opening Committee, NBPGR, Regional Station, Umiam, Meghalaya
2. Officer-In-Charge, AKMU, NBPGR, Pusa Campus, New Delhi – 110012 with a request for uploading at NBPGR website
3. Kiran cell, ICAR RC for NEHR, Umiam, Meghalaya with a request for uploading on KIRAN website

Specifications of the equipments

Thermal cycler

1. Well format: should fit - 0.2 ml/0.5 ml tubes, 0.2 ml tube strips.
2. Sample capacity: ≥ 96 samples.
3. The system should be capable of running two or more independent PCR programmes simultaneously.
4. Ramp rate: ≥ 3 °C/s (sample ramp rate) and should be adjustable.
5. Reaction speed: standard/ Fast.
6. Temperature range: 4-100 °C.
7. Temperature accuracy: $\leq \pm 2.5$ °C (35 – 99.9 °C).
8. Well-to-well temperature uniformity < 0.5 °C.
9. Administrator and user log in with or without PIN for enhanced security
10. Instrument memory: USB/ On-board & should store ≥ 500 PCR programmes.
11. The system should have: high throughput compatibility, auto-restart capability and programme overwrite protection feature.
12. Instrument status should indicate the step, cycles and time remaining during the run.
13. The system should be compact in size to fit bench top (weight < 15 kg).
14. Should be quoted with suitable UPS with one-hour power back up.
15. Should have minimum two-year warranty.

Gel documentation system

1. Camera: Scientific grade camera with CMOS/CCD sensor.
2. Resolution: ≥ 1.3 mega-pixels (Option to expand the mega-pixels).
3. Camera should have variable order of magnitude (> 3)
4. System should have manual control over lens iris and focusing control along with auto/software operated exposure and autofocus functions.
5. Gel viewing dimension: $\geq 20 \times 20$ cm.
6. The system must be quoted with standard UV and BLUE light source: UV light 302 nm/312 nm & Blue light 470 nm, and White-light conversion screen.
7. Should include emission filters: Orange filter, green filter and red filter
8. **Software:** licensed version of image capture and analysis software for molecular weight, intensity determination, colony counting and band distance calculation.
9. System should be compact and lightweight to fit laboratory bench (weight ≤ 35 kg).
10. Must be quoted with suitable computer: with Operating system - Windows 7 professional/ Mac OSX.
11. The system should have option for imaging western blots
12. Minimum one year onsite warranty of the whole system.

Refrigerated micro-centrifuge

1. Capacity: $\geq 24 \times 1.5/2.0$ ml
2. Maximum speed: > 14000 rpm
3. Maximum rcf: $> 16000 \times g$
4. Temp setting range: -10 to 35 °C.
5. Fast temp function for rapid cooling of the rotor and rotor chamber (from RT to 4 °C within > 10 min).
6. Fast and reliable lid locking system is essential.
7. Short spin and short ramp function: Acceleration: ≤ 15 s and breaking time ≤ 20 s.
8. Auto shut off of compressor after 8 h of non-usage.
9. Noise level should be low (< 50 dB) for stress free environment.
10. Instrument should have built-in condensation drain that eliminate water accumulation in rotor chamber and prevent corrosion.
11. The instrument should be very compact and lightweight (< 30 kg) to fit laboratory bench space and also accessible in low hanging shelves.
12. The centrifuge should be certified for research purpose.
13. Should be quoted with two-year warranty.
14. Should be optionally quoted with PCR strip rotor and 0.2 ml PCR tube adapter.

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