



राष्ट्रीय पादप जीनोम अनुसंधान संस्थान
(जैव प्रौद्योगिकी विभाग, विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार का स्वायत्त अनुसंधान संस्थान)
NATIONAL INSTITUTE OF PLANT GENOME RESEARCH
(An Autonomous Institution of the Department of Biotechnology, Ministry of Science and Technology, Government of India)
अरुणा आसफ अली मार्ग, पो. बाक्स नं. 10531, नई दिल्ली-110067
Aruna Asaf Ali Marg, Post Box Number 10531, New Delhi-110067

संख्या: 8/2016-17/रा.पा.जी.अनु.सं./एस एण्ड पी

दिनांक: 14/6/2016

विषय / Subject: मुहरबंद कोटेशन का निमंत्रण / Invitation of Sealed Quotations

Sealed Tenders are invited on behalf of Director, NIPGR from the Original Equipment Manufacturer or their authorized dealers for the purchase **01 no. of Incubation Chamber**, as per the specifications attached at Annex – II for the laboratory of our Institute.

You are therefore requested to please send your offer in **two bid system** indicating the maximum discount offered, installation charges along with a copy of authorization certificate, issued by the Principals/OEM. The quotations must accompany a Demand Draft amounting to ₹ 20,000/- (Rupees Twenty Thousand only), being the EMD in the name of Director, NIPGR, New Delhi and must be sent in a **Sealed Envelope** duly super-scribed on top of envelope as "**Quotation for Incubation Chamber**" so as to reach to the undersigned latest by **04/7/2016 (3:00 PM)**, the same shall be opened on same day at **3.30 PM**.

धन्यवाद,

(कय एवं भण्डार अधिकारी)

Encl: Terms & Conditions (Annex – I)

Annexure – I

नियम और शर्तें:

1. Every tender shall be accompanied with the tender cost of ₹ 500/- (Rupees Five Hundred only) in the form of Demand Draft drawn in favor of "Director, NIPGR" payable at New Delhi in separate sealed envelope along with the tender. In case the tender cost is not submitted, the tender will not be considered.
2. Every tender shall be accompanied with the required Earnest Money Deposit in the form of Demand Draft drawn in favour of the "Director, NIPGR" payable at New Delhi. Any tender not accompanied by such earnest money will be rejected straight away.
3. The rates quoted in the tender shall remain valid for a period 180 days from the date of issue of Award Letter. No tenderer can withdraw/or modify his tender or revoke the same within the said period. If a tenderer on his own withdraws or revokes the tender or revises or alters or modifies the tender for any item or condition within the period mentioned in the tender notice, his earnest money deposit shall stand forfeited. Notwithstanding foregoing, the Institute reserves the right to take other actions as deemed appropriate. In case the successful tenderer after award of acceptance of work fails to perform as per work order or violates any condition of tender, the security deposit/performance security will be forfeited/encashed.
4. NIPGR does not bind itself to accept the lowest or any tender and reserves the right to reject any or all tenders without assigning any reason.
5. In two-bid system the tenders should be submitted containing (a) Technical Bid consisting of all technical details along with commercial terms and conditions and (b) Financial Bid indicating item wise price for the items mentioned in technical bid. The technical bid and financial bid should be sealed by the bidder in separate covers duly super scribed and both these covers must be put in a bigger cover which should also be sealed and duly super scribed. NIPGR will not pay any expense, whatsoever incurred by tenderer for the preparation and submission of tenders.
6. The notice inviting tender, will form part of the contract agreement to be executed by the successful tenderer with the NIPGR.
7. All the correspondence on the tender shall be addressed to the Director, NIPGR, Aruna Asaf Ali Marg, New Delhi and any communication addressed to anyone else shall not in any manner to be binding upon the NIPGR, Aruna Asaf Ali Marg, New Delhi.
8. The tenderer shall submit a copy of PAN/TIN numbers allotted to them.
9. NIPGR reserves the right to change the quantities of the units while issuing the letter of award of work.
10. The successful tenderer shall be required to deposit an amount equal to 10% of the Tender value as Performance Security after adjusting the Earnest Money Deposit within 10 days from the date of issue of letter of acceptance. Performance Security may be deposited in the form of Demand Draft or Bank Guarantee from State Bank of India Or any Scheduled bank. Incase of violation of any condition of Tender, the Security Deposit / BG will be forfeited / revoked.
11. The rates shall be inclusive of Transportation, loading, unloading, taxes etc., nothing extra will be paid.
12. The supplier should be responsible for any damage and site clearance and nothing extra shall be paid.

(कय एवं मण्डार अधिकारी)

Specification for Incubation Chamber

Sl No.	Description
01	Volume: <ul style="list-style-type: none"> ● Minimum volume required 800L or more
02	Lighting: <ul style="list-style-type: none"> ● Each tier of shelf lighted by properly horizontally placed florescent lamps and incandescent lamp to have balance light spectrum and uniform light distribution over entire shelf ● Intensity programmable minimum 500 or more $\mu\text{moles}/\text{m}^2/\text{s}$ of light irradiance measured @ 6" from lamps. 3 level programming of lamps.
03	Control Features: <ul style="list-style-type: none"> ● Controls temperature, lighting and humidity. ● Single-board electronic solid-state design keyboard interface. ● Screen: Monochromatic with white LED back-lighting. ● Programs can be configured to run in real time or elapsed time. Continuous and multi-step program features. Memory of minimum 50 or more programs storage with multistep feature. ● Experiment protection via temp limit shut-down. Auto-restart when temp inside is normal. ● Temperature low and high deviation alarm. ● Auto restart in case of power failure with inbuilt battery.
04	Cabinet Construction: <ul style="list-style-type: none"> ● Interior constructed of reflective white powder coated stainless-steel. ● Exterior finish: Powder-coated steel.
05	Growth Height: <ul style="list-style-type: none"> ● 17-19" growth height on each tier.
06	Temperature: <ul style="list-style-type: none"> ● 10-44°C ($\pm 0.5^\circ\text{C}$) Lights-ON and 4-40°C ($\pm 0.5^\circ\text{C}$) Lights-OFF. ● Temperature setting accuracy 0.1°C. ● In case of safety alarm, the controller should shut-down the chamber and restart when the temperature returns to normal. The system should restart automatically when internal temperature is normal. ● Temperature uniformity at all temp be $\pm 0.5^\circ\text{C}$
07	Insulation: <ul style="list-style-type: none"> ● Woodless constructions using CFC free insulation. Ample insulation for maintenance of stated temp range.
08	Door: <ul style="list-style-type: none"> ● One door opening provides full access to the chamber interior (magnetic gasket provides a tight seal to door frame) ● One observation window measuring more than 100 mm x 800 mm dual pane with light tight cover (optional).
09	Work Space: <ul style="list-style-type: none"> ● Work area of 5-6 ft² provided on each tier
10	Shelving: <ul style="list-style-type: none"> ● Minimum two adjustable tiers and two heights adjustable powder coated steel wire shelves should be provided.
11	Refrigeration:

	<ul style="list-style-type: none"> ● Self-contained air cooled condensing unit with hot gas bypass system for continuous compressor operation, extended life and closed temperature control
12	One power receptacle inside the chamber to connect any small equipment. Minimum two years un-conditional warranty.
13	Relative Humidity: <ul style="list-style-type: none"> ● Up to 80% RH Light-ON and 90% RH Light-OFF. ● Additive humidity through use of pan/ultrasonic humidifier.
14	Option: <ul style="list-style-type: none"> ● Dimmable lighting, CO2 addition water tank for RH.
15	International Well established manufacturer with more than 20 years in this business. Performance certificate from at-least 10 users of Plant growth Chambers to be provided
16	User's list with original catalogue to be provided.
17	The product should be ISO/ISI/CE certified. Documentary proof to be provided
19	Suitable servo-stabilizer to be provided along with the machine
21	RO System: Suitable RO System for Humidity should be provided.