



# 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: 15/7/2016

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 of **01 no. of -80°C Deep Freezer with with accessories** for the laboratory of our Institute, as per the following specifications in two bid system.

## Technical Specifications

### Specifications for -80°C deep-freezer

- ✓ Upright Ultra low temperature deep freezer lower than -80°C, preferably -86°C, operating temperature of -55°C to -86°C with 1°C increment.
- ✓ Freezer must attain -80°C while operating at ambient temperature of 32°C.
- ✓ Freezer must have minimum capacity of 550 liters or above to hold atleast 25 racks with 400 boxes of 2" height to accommodate approx. 40,000 vials
- ✓ Fully programmable microprocessor controlled with membrane keypad and eye level control panel.
- ✓ System should have 304L grade stainless steel interior and tough, powder coated exterior finish constructed on steel.
- ✓ Freezer should have five insulated doors giving access to shelves which should be adjustable in 13mm steps, must come with 4 adjustable shelves and make the floor cabinet total five inner storage compartments.
- ✓ Freezers should have heated air vent on front door and front panel air filter.
- ✓ Heavy duty lockable castors and lockable outer doors and lids.
- ✓ Freezer must have battery back-up and 4 PIN security lock for unauthorized tempering.
- ✓ Freezer must have RS 232 interface data logging port and it must also have on board SMART diagnostic software.
- ✓ Audible and visible alarms for temperature, power failure, system failure, battery low etc. must be present.
- ✓ Freezer must use CFC-FREE, HCFC-FREE non flammable refrigerants, and refrigeration system must be energy efficient and hermetically sealed cascade refrigeration system with pull down time of 4-5.5 hrs.
- ✓ Freezer should be energy efficient and with low noise level (<60 dB). Preference may be given to freezer with best energy efficiency. Energy consumption rate (@KWh/day) must be specified in the quotation.
- ✓ Compressor should be capable to run any voltage between 190 – 270V, and should come with at least 5 YEARS WARRANTY.
- ✓ Freezer must have ISO 9001- safety requirements and IEC 61010 Electrical safety CE certified. (relevant documentation proof to be attached).
- ✓ Freezer must have washable condenser filter indication which should keep fins free of dust to maintain peak cooling efficiency.
- ✓ Warranty: One year. (at least Five years on compressor)
- ✓ 5 KVA branded stabilizer should be supplied with the freezer.
- ✓ To be supplied with 15 racks along with laminated cardboard boxes for 2/3 inch vials
- ✓ Must be CE/UL/ISI/ISO certified (documents to be attached).

Cont. 2



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- ✓ The freezer comes with a data logging software, designed to track and monitor key operational information, such as time, temperature, gas conditions and alarm remotely. This software needs to be installed on a mobile computer system to be supplied (of minimum configuration given below) and connected to the freezer.

Branded mobile workstation/notebook with 15.6 inch HD LED back light display, min I7-6<sup>th</sup> Gen processor 2.4 GHz or better, minimum 16 GB DDR3 RAM, 1 TB HDD, 4 GB graphics card, 1 x 15-pin VGA, 1 x 19-pin HDMI, 1 x RJ-45, 1 x headphone/microphone combo, 2 x USB 3.0, 1 x USB 2.0, SD/SDHC/SDXC card reader, Webcam on front panel, Windows 10, 3 years' on-site warranty

- ✓ One branded 6 KVA online UPS (should be rack/tower mountable) with following technical specifications should also be quoted to run the freezer 24x7 without power breaks.

Banded 6 KVA online; elegant design with LCD display; either in-built or separately encased battery system with backup of minimum 30 mins; >93% efficiency in on-line mode with full load; at least 0.9 power factor; should have capability to add additional batteries for increasing runtime (additional batteries may be quoted as optional); operating temp 0-40 degree; Full time multi-pole noise filtering; 0.3% IEEE surge let-through; zero clamping response time, should meet UL 1449; with arrangement for multiple 5/15AMP IEC sockets; at least additional 2 years warranty.

- ✓ Vendors who do not furnish proper document or have no/poor brochures/information with the tender and on website of the manufacturer will be disqualified.

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 ₹ 16,000/- (Rupees Sixteen 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 01 no. of -80°C Deep Freezer with accessories**" so as to reach to the undersigned latest by **04/8/2016 (3:00 PM)**, the same shall be opened on same day at **3.30 PM**.

धन्यवाद,

(कय एवं मण्डार अधिकारी)

Encl: Terms & Conditions (Annex – I)

दूरभाष (का.)/Tel. (O) : 91-11-26741612, 26741614, 26741617, फैक्स/Fax : 91-11-26741658

ई-मेल/E-mail : nipgr@nipgr.ac.in; वेबसाइट/Website : http://www.nipgr.ac.in

## 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 which shall be valid till completion of the warranty period of quoted / ordered items. In case 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.