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ICAR - CENTRAL INSTITUTE FOR COTTON RESEARCH

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{Location: Near Khapari Phata, Panjari, Wardha Road, Nagpur – 441 108}

ISO 9001-2008 Certified



F. No. (29)St./AMC/Cold Storage Modules/SSM/HQ NGP/2017-18

Date: 19.12.2017

To,

Sub: Quotation for the Annual Maintenance Contract for two medium Term Cold Storage Modules of Germplasm – reg.

Sir,

Sealed quotations are invited by the Director, ICAR-CICR for the Annual Maintenance Contract for two medium term Cold Storage Modules of Germplasm in the prescribed format as per **Annexure-A**.

The detailed specifications are given below:

SN	Specification
1.	Annual Maintenance Contract for two medium Term Cold Storage Modules of Germplasm (as per Annexure-A)

The terms & conditions are given as below:

1. The AMC charges should be inclusive of all taxes / GST etc.
2. The firm should be having valid PAN/GST Certificate No. etc. with documentary proof.
3. Sealed Quotations along with the literature and pamphlets should reach this office on or before 02.01.2018 at 03.00 P.M. sharp.
4. Sealed envelopes may please be superscribed with the word "Quotation for AMC for Cold Storage Modules"
5. The quotation should be quoted by solely local authorized Service Providers against these modules who has necessary service backup facility.
6. Authorization should be enclosed with the quotation for the cold storage modules. Experience Certificate may also be enclosed.

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7. The firms should have qualified service engineers.
8. The firm should be ready to undertake the job within 24 hours of receipt and 2-4 hours of detection of a complaint.
9. A schedule for the quarterly monitoring visit, as part of pre-cautionary maintenance service should be developed at the beginning of the year and strictly followed with advance information to the Institute.
10. The firm should follow standards of maintenance and operations strictly, fidelity of the system imported, before quoting their rates.
11. Annual Maintenance Contract of the Cold Storage Module includes repair/break down/Maintenance of the stabilizer connected to the system.
12. AMC period will be for a period of one year. The AMC can also be extended if found satisfactory for another year upto a period of one year.
13. Other terms and conditions of AMC if any may also be stated.
14. **EMD amount for ₹ 3,000/-** in the form of D.D. in favour of **Director, ICAR-CICR, Nagpur** of the above **AMC for Cold Storage Modules** should be enclosed with quotation.
15. The quotations, without the above desired information & received after the due date are liable to be rejected.
16. The Director, ICAR-CICR, reserves the right to accept or reject one or all quotation/s without assigning any reason thereof.

Yours faithfully,


I/c Sr. Administrative Officer

Encl: Annexure - A

COMPANY LETTER HEAD

FORMAT OF QUOTATION

Sl. No.	Particulars	Qty.	Amount (₹)
Annual Maintenance Contract for two medium Term Cold Storage Modules of Germplasm. (as per enclosed specification)			
	Cold Storage USA Make Unit - I	01	
2	Cold Storage Sidwal Make Unit – II	01	
Total (Inclusive of all Taxes)			

Authorized Signatory with seal/stamp

Address:

E-mail id:

Ph./Mob. No.

DETAILS FOR ANNUAL MAINTENANCE OF COLD STORAGE MODULES.

Unit (I)

Electrical Connected Load-30 kw.

other apparatus/Instruments-5 kw.

Size- 14.5 x 9.5 x 7.9 feet

Refrigerant – R 22 or R-134 a

Operating Voltage- 230 volts +/-10% single phase, 50 Hz AC or 415 volts +/-10%, 3 phase, 50 Hz AC

Temp $4^{\circ}\text{C} \pm 1^{\circ}$

Relative humidity $32\% \pm 2\%$

Setting of dehumidifiers, Air Dryers, chilling plants

Cold Storage Refrigeration Unit

Sidwal Make (Unit II)

Electrical Connected Load-22 kw.

Other apparatus/Instruments-5 kw.

Size- 14.5 x 8.2 x 8.1 feet

Refrigerant – R 22 or R-134 a

Operating Voltage- 230 volts +/-10% single phase, 50 Hz AC or 415 volts +/-10%, 3 phase, 50 Hz AC

Temp $4^{\circ}\text{C} \pm 1^{\circ}$

Relative humidity $32 \pm 2\%$

Setting of dehumidifiers, Air Dryers, chilling plants

MODULES: Medium term store, maintained at $4^{\circ}\text{C} \pm 1^{\circ}\text{C}$ and 32 to 35% $\pm 2\%$ Relative humidity.

Precautionary monitoring service require-

Checking function of following components.

1. Refrigeration: System Compressors, high pressure, low pressure, oil failure switch, filter dryers, contactors, auto/manual function of stabilizer, suction and discharge pressure of refrigerant. Thermo-static Expansion Values (TXV), temperature controls and humidity recorder etc.
2. Dehumidifier: thermostats, cleaning of filters, dryer motors, desiccant bed, and
3. Reactivation motors, process motors, cleaning of relay contact etc.

REPAIR AND MAINTENANCE

Repair of following faults as and when required without spare

1. Replacement/repair of semi-sealed hermetic compressor of 7.5 tons unit or belt driven compressor.
2. R-charging of refrigerant R-22 to maintain $+4-10\text{C}$
3. Replacement/repair of condenser fan motor cooling fan motor compressor in head cooling motor etc.
4. Leakage testing of refrigerant and air in the chambers.
5. Refilling of compressor oil when required.
6. Over-hauling of the whole system.
7. Replacement of heater of door and piping window.
8. Washing/cleaning of condenser fin with vaniclean/or an appropriate cleaning solution.
9. Replacement/repair of electrical component in control panel and change over panel etc.

10. Replacement/repair of any other component in the system.
11. Repairing of desiccant based dehumidifier.
12. Repairing of unbalanced stabilizers of different capacity.
13. Cleaning of relays contactors etc.
14. Oiling of motors where required.
15. Any other miscellaneous work related to proper functioning.

TERMS AND CONDITIONS.

1. Should have any experience of working on modules maintained at 1-10C.
2. Firms should have an ISO certification.
3. ~~Firms should deposit approximate of amount as security money.~~
4. Firms should have qualified service engineers.
5. Should be ready to undertake the job with 24 hours of receipt and 2-4 hours of detection of a complaint.
6. A schedule for the quarterly monitoring visits, as part of pre-cautionary maintenance service should be developed at the beginning of the year and strictly followed with advance information to the Institute.
7. Firms would follow standards of maintenance and operations strictly, fidelity of the system imported, before quoting their rates.
8. Annual Maintenance Contract of the Cold Storage Module includes repair/break down/Maintenance of the stabilizer connected to the system.