

TENDER DOCUMENTS

NIT No. 07/2023

FOR

**Comprehensive Maintenance Contract of  
Green house facility**

AT

INTERNATIONAL CENTRE FOR GENETIC ENGINEERING & BIOTECHNOLOGY (ICGEB)

Aruna Asaf Ali Marg, New Delhi – 110067

Website: [www.icgeb.res.in](http://www.icgeb.res.in)

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**TENDER NOTICE**

**INTRODUCTORY NOTE:**

ICGEB is an international organization dedicated to advanced research and training in molecular biology and biotechnology, with special regard to the need of the developing world. ICGEB, New Delhi Component has been given privileges and immunities as for other UN Organizations in India vide Government of India's gazette notification no. 216, SO 403(E) dated 12 April 1988.

ICGEB invites sealed Bids to meet the immediate requirement for "Comprehensive Maintenance Contract of Green house facility at ICGEB campus."

Interested & competent firm/individual may download the Bid documents from ICGEB website

**IMPORTANT INFORMATION**

<b>Name of Work</b>	Comprehensive Maintenance Contract of Green house facility at ICGEB campus.
<b>Tender No.</b>	NIT-07/2023
<b>Earnest Money Deposit (EMD) &amp; Tender Fee</b>	EMD of Rs. 10,000/- (Ten thousand only) & Tender Fee of Rs 1,000/- ( One Thousand only) in the form of separate demand draft to be drawn in favour of <b>International Centre for Genetic Engineering &amp; Biotechnology payable at New Delhi.</b>
<b>Distribution of Tender Document</b>	<b>To be downloaded from the website of the ICGEB</b> <a href="http://www.icgeb.res.in/ndinfo.htm">http://www.icgeb.res.in/ndinfo.htm</a>
<b>Pre Bid meeting</b>	1 <sup>st</sup> June, 2023 at 4:00 PM in ICGEB.
<b>Last Date and time for Bid Submission</b>	9 <sup>th</sup> June, 2023 till 3:00 PM.
<b>Address at which Bid is to be submitted</b>	Should be dropped in the tender box at the reception of International Centre for Genetic Engineering & Biotechnology, ArunaAsaf Ali Marg, New Delhi – 110067.
<b>Date, Time &amp; Place of opening of the Technical Bid</b>	9 <sup>th</sup> June, 2023 at 4:00 PM in ICGEB.
<b>Date, Time &amp; Place of opening of the Financial Bid</b>	Technically qualified bidders will be called for financial bid opening
<b>Method of selection</b>	Both “Technical” and “Price” bid should be in separate envelopes and then put in to one common envelope, super scribing the name of the work and tender number etc. The Financial Proposals of the Firms/Individuals that qualify the Technical Evaluation will only be opened. Further, the Firm/Individual having the least quote (L1) in its financial proposal will be awarded the contract if the price bid is found to be in order.

## MINIMUM ELIGIBILITY CRITERIA

The bidder should meet the following Eligibility Criteria and must submit documentary evidence in support of their claim for fulfilling the criteria and they should submit an undertaking on their official letterheads to the fairness of these documents while submitting the bid. The bids received without the documentary evidence will be rejected outright.

1. The bidder should have an office in Delhi / NCR.
2. Earnest Money Deposit
3. The Bidder, should have an average annual turnover of not less than Rs.1,00,00,000/- (Rupees One Crore only) per annum for the last three audited years (FY 2019-20, 2020-21 and 2021-22) in similar kind of business with documentary evidence.
4. Copies of the work orders and completion certificates successfully executed for similar kind of work during the last 7 years for reputed Public Ltd. Companies, Public sector, Govt. Institutions and autonomous bodies in the following manner.
  - A). One similar work of value not less than Rs 4,00,000/-.
  - B). Two similar works, each of value not less than Rs 2,50,000/- each
  - C). Three Similar works each of value not less than Rs 2,00,000/-each.
5. The bidder should obtain a valid **GST, ESI & EPF** registration certificates from relevant authorities (provide latest receipts/challans for documentary evidence).
6. The bidder should submit PAN number with documentary evidence
7. All the bidders shall have to produce documentary evidence for the satisfactory completion of Similar works as mentioned above executed by them from the concerned authorities.
8. The Company / Firm / Individual, any Partners of the firm should not be black listed by any PSU or Government departments/ UN or its agencies/ institutions/ private organisations in respect of any assignments or behaviour of any Partner/ employee. The firm / Individual will Provide an undertaking that such Partner/ employee will not be involved in the said contract, directly or indirectly.
9. An undertaking should be submitted that there are no legal suits / criminal cases pending against the Firm and its Proprietor/Partners or having not been earlier convicted on grounds of moral turpitude or for violation of laws in force.
10. All entries in the Application form should be legible and filled clearly. If the space for furnishing information is insufficient, a separate sheet duly signed by the authorized signatory may be attached.
11. No deviations in respect of NIT conditions are acceptable.
12. ICGEB reserves the right to visit the working sites mentioned by bidders as proof of experience to ascertain the quality of service rendered. The bidder will have to arrange for such visit.

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**GENERAL TERMS AND CONDITIONS FOR SUBMISSION OF THE BID**

**Note: Bidders must read these conditions carefully and comply strictly while submitting their bids.**

**1. PRE-BID MEETING & QUERY:**

- a. The Pre-Bid Meeting shall be hosted by ICGEB.
- b. The Bidder or its official representative will be invited to attend the pre-bid meeting.
- c. The purpose of the meeting is to provide Bidders information regarding the Tender, project requirements, and opportunity to seek clarifications regarding any aspect of the Tender Document and the assignment.
- d. ICGEB may make modifications to the Tender Document if felt necessary as a result of the Pre-bid meeting. All such modifications made to the Tender Document by ICGEB will be issued as a corrigendum to the Tender.
- e. Any such modifications resulting out of the Pre-bid meeting will be circulated to the Bidders through website <http://www.icgeb.res.in/ndinfo.htm>.
- f. ICGEB will not be responsible for non-receipt of corrigendum/modifications published/sent by ICGEB to the Bidder.

**2. PREPARATION AND SUBMISSION OF THE BID DOCUMENT:**

The Bidder is expected to examine all instructions, forms, terms & conditions and specifications stated in the Bid Documents. Failure to furnish all information required in the Bid Document or submission of a Bid not substantially responding to the Bid Documents in every respect will be at the Bidder's risk and may result in the rejection of the Bid. The following sections of the Bid Documents must be completed and submitted by the Bidder:

**3. TECHNICAL BID (Part – I):**

- a) Technical Bid Form.
- b) Certificate of registration (GST, PAN).
- c) Documentary evidence for minimum qualifying criteria.
- d) EMD DD of Rs. 10,000/- and tender fee of Rs 1,000
- e) Technical Bid Form (Annexure A)
- f) Turnover certificates of last 3 years (Annexure – B).
- g) Undertakings / declaration certificates (Annexure – C)
- h) Details of other organisation for similar works (Annexure- D)
- i) Site Visit certificate(Annexure-E)
- j) Tender Document (duly signed and stamped on all pages).

#### 4. FINANCIAL BID (Part – II):

- Price Bid (Schedule of Rates)

##### **BID PRICE:**

In this bid the bidder is required to quote his items rates/prices for the works mentioned in the scope of work & technical specifications. The rates/price should be inclusive of all material cost, labour, services, charges for the plant/machinery/tools & tackles required for work, freight, Insurance, Govt. duties, excluding GST. If the tax rates are not shown separately, it will be deemed to be included in the quoted price and dealt with, accordingly.

Quoted rates will be deemed to cover all the items & works which may be required for completeness and functioning of total system, even though they may not have been explicitly mentioned in the scope and schedule of works.

No charges towards price escalation, site difficulties shall be payable extra or separately. It is mandatory on bidder to quote all items rate as asked for in the BOQ/ PRICE schedule. Failure to adhere to this condition will lead to rejection of tender.

#### 5. EARNEST MONEY DEPOSIT:

Earnest money deposit amount equivalent to Rs. 10,000/- (Ten thousand only) & Tender Fee of Rs 1,000/- (One Thousand only) in the form of DD issued by any Commercial Bank in favour of International Centre for Genetic Engineering & Biotechnology payable at New Delhi must accompany the Technical Bid. The E.M.D. shall be valid for the term of the contract. Bids not accompanied by E.M.D. shall be rejected. E.M.D. of unsuccessful Bidders will be returned as early as possible. The E.M.D. shall be forfeited if a Bidder withdraws its Bid during the period of validity of the tender.

6. **PERIOD OF VALIDITY.** Bids shall remain valid for **180 days** after last date for bid submission prescribed by ICGEB which may be extended with mutually agreed terms. A bid valid for a shorter period may be rejected by ICGEB as non-responsive.

7. **Site condition:** Before quoting, the contractor must visit the site to inspect the work and shall fully acquaint himself about the conditions and scope of work with regard to accessibility of site required for the satisfactory execution of work. along with site visit certificate No compensation on account of any site difficulties will be entertained, at a later date, after award of the works.

8. **Tender Rejection:** ICGEB Director reserves the right to reject any or all the tenders in full or in part without assigning any reasons whatsoever, and the decision of the centre in this regard will be binding on all the bidders. Tenders not complying with any of the provisions stated in this tender document are liable to be rejected. Director, ICGEB reserves the right to accept or reject any tender without assigning any reason and does not bind himself to accept the lowest tender.

**9. FORMAT AND PREPARATION OF THE BID:**

The Bidder shall prepare the Technical Bid and Financial Bid and place them in two separate sealed covers, clearly marking each as “Technical Bid” and “Financial Bid”. Name of firm / proprietor, address & contact no. should be mentioned clearly on both the envelopes. These should further be placed in a large size envelope with the same information on it. Both Technical & Financial Bids, along with documents required to be submitted, shall be signed by the Bidder and a person duly authorized by the Bidder to, on each page. Written power of attorney accompanying the Bid shall indicate necessary authorization. Any correction in the Bid shall be initiated by the person signing the Bid.

**10. SUBMISSION OF BID:**

The Bid in two parts, one containing the Technical Bid and the other containing the Financial Bid shall be placed in two separate sealed envelopes clearly marked as below:

- i. "Comprehensive Maintenance Contract of Green house facility at the ICGEB, - Technical Bid"
- ii. "Comprehensive Maintenance Contract of Green house facility at the ICGEB, - Financial Bid"

The sealed envelope having the Technical Bid shall contain the Technical Bid Form, Declaration Certificates, Demand drafts for Tender fee and E.M.D, documents establishing eligibility of offered services and a complete set of the Bid Document stamped & signed on all the pages etc.

The other sealed envelope will contain the Financial Bid which shall include Schedule of Rates.

Both the sealed envelopes containing the Technical Bid and Financial Bid separately, shall be placed in an outer envelope dully sealed, marking the outer envelope as “Comprehensive Maintenance Contract of Green house facility at the ICGEB,”. The Bid shall be dropped in the tender box at the reception of, ICGEB, Aruna Asaf Ali Marg, New Delhi – 110 067.

If the cover containing the Bid documents is not sealed and marked as instructed above, no responsibility will be assumed for any misplacement of the Bid or beforetime opening of the envelope.

**11. IMPORTANT NOTE:**

1. Bid received through email and/or after the scheduled date and time will not be accepted.
2. ICGEB reserves the right to accept any or reject all the tenders without assigning any reason thereof.
3. Selection will be done on competitive basis. Canvassing in any manner shall lead to disqualification of the Firm / Individual.

**12. BID OPENING AND EVALUATION:**

**BID OPENING:** All the Technical Bids shall be opened publicly in the presence of the Bidders or their representatives in front of the Bid Evaluation Committee. Bidders' name, documents with presence and



absence of Bid security, period of Bid validity and such other items will be announced and recorded at the time of opening of the Technical Bid by the Bid Evaluation Committee. The Financial Bids of Technically Responsive Bidders will be opened in the presence of such responsive Bidders or their representatives on date and time to be notified later. Total Bid amount will be announced and recorded at the opening of the Financial Bid. Minutes of the Bid Opening containing summary of information with regard to each Bid shall be prepared during the opening of both Technical & Financial Bids.

### **13. EVALUATION OF BIDS:**

- a. For proper evaluation & comparison of Bids, the Bid Evaluation Committee, may at its discretion, ask the Bidder for any clarification of the Bid. The request for clarification and the response shall be in writing, but no changes in the price of the Bids shall be offered or permitted.
- b. The technical bids will be evaluated by the Bid Evaluation Committee on the basis of experience in similar organizations, resources available with the firm/ Individual, visit of the Committee to the site where the contractor is currently handling similar work etc.
- c. The Bid Evaluation Committee will first evaluate the Technical Bids to determine the substantial responsiveness of the Technical Bids. Substantial Responsive Bid is one which conforms to all the terms and conditions as indicated in the Bid Document and which also establishes Bidder's qualification to deliver the services according to technical specifications. After the evaluation of all the Technical Bids, Financial Bids corresponding to only substantial responsive Technical Bids will be taken up for evaluation.
- d. All non-substantial Technical Bids will be rejected as non-responsive and corresponding Financial Bids shall be excluded from further evaluation.
- e. The Bid Evaluation Committee, may at its discretion, decide to waive off any minor non conformity in a Bid which does not constitute a material deviation with regard to services and pricing.
- f. While evaluating Financial Bids, if there is any discrepancy between the unit price and the total price, unit price will prevail and total price shall be corrected. However, if the Bidder does not accept the correctness of the errors, his Bid will be rejected.
- g. The Bidder must have supplied the information required in the Bid document. A Bidder not fulfilling any criteria stipulated, his Bid will be considered non responsive and may be rejected.
- h. The Bidders who have duly complied with the Eligibility Criteria will be eligible for further processing.
- i. The successful bidders of the Technical Bids will qualify for opening of the Financial Bids.
- j. The Bids which have been established as responsive in all respects will be compared for its price competitiveness. On the basis of technical and financial evaluation, substantially responsive and most advantageous Bid will be considered for the award of contract for Comprehensive Maintenance Contract of Green house facility at the ICGEB, Campus.

14. THE BIDDER IS EXPECTED TO EXAMINE ALL INSTRUCTIONS, forms, terms and conditions in the bidding documents. Failure to furnish all information required in the bidding documents or submitting a Bid not substantially responsive to the bidding documents in any respect may result in the rejection of the Bid.

15. THE BIDDER SHALL BEAR ALL THE COSTS associated with the preparation and submission of its bid, and ICGEB in no case will be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
16. PROFESSIONAL EXCELLENCE AND ETHICS: ICGEB requires that all Bidders participating in this Bid adhere to the highest ethical standards, both during the selection process and throughout the execution of the contract.
17. FAILURE OF THE SUCCESSFUL BIDDER to comply with all the requirements shall constitute sufficient grounds for the annulment of the award, in which event ICGEB may make the award to the next lowest evaluated bidder or call for new bids.
18. THE TENDERING AUTHORITY RESERVES THE RIGHT TO ACCEPT ANY BID not necessarily the lowest, reject any bid without assigning any reasons for entering into the Rate Contract.
19. **CONDITIONAL BIDS:** If a bidder imposes conditions, which is in addition to or in conflict with the conditions mentioned herein, his bid is liable to be summarily rejected.
20. The Director, ICGEB reserves the right to cancel any or all the tenders without assigning any reason.
21. Tender once submitted will remain with ICGEB and will never be returned to the bidders.

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**Scope of Work**

**Works: Comprehensive Maintenance Contract of Green House Facility will consist of the execution of the following.**

**There are 15 Green houses, 3 Net houses, 6 Culture rooms, 1 Arabidopsis room and 1 Soil mixing machine.**

S. No	Description of work- Preventive maintenance, repairing, and parts replacement
1.	Maintenance of all Control panels with switching units, wiring, MCB, electrical sockets, plug tops and switches(complete), Temperature controller, Humidity controller, Programmable photoperiodic timer, Sequential timer, Misting system with nozzles, Mist fans, table fans, platinum sensors, Cleaning of all Control panels weekly
2.	Cooling pad with motors and complete system (valves, water tanks, float ball valves, pipelines etc.)
3.	Axial fan units with control and belts, Exhaust fans, desert coolers, ceiling ventilation system, Air curtains, Cleaning of Axial mesh weekly and replacement of mesh as per requirement
4.	PAR Lights with controller and Electronic ballasts (all types)
5.	Heating units (all types) and Tube fittings (holders, tube lights)
6.	Humidifiers (Turbo, ultrasonic), RO system with all parts (complete set-up), and servicing work monthly
7.	Soil mixing machine with covered Polycarbonate structure
8.	Shade Net system of all Green Houses (complete) and spreading/rolling as per requirement
9.	Proper cleaning of polycarbonate sheets (complete) and Nylon mesh, SS mesh, pre-filters, and all GH structures quarterly
10.	Cleaning of the poly film (false ceiling) and drain channel of GH-15(inside) twice a year
11.	Cleaning of water tanks (all types) twice a year
12.	Cleaning of Cooling pads with mesh (complete) quarterly
13.	Maintenance of Doors with glass (all types) and structures (door lock, door stopper, hinges, handle, reeling of doors, etc.)
14.	Hydroponics system with complete set-up
15.	Benches repairing and painting once a year
16.	Repairing, and plastering of all Green Houses/Net Houses/Arabidopsis room walls and painting (water and weather shield both inside and outside complete) once a year (all civil-related works)
17.	Repairing and painting of Cooling pad frames(complete) annually.
18.	Preventive maintenance (once a week) and proactive arrangements for immediate repair and maintenance work
19.	Dedicated (expertise in GH set-up and operations) maintenance technician (multitasking, preferably ITI) for all days(mandatory)
20.	Repairing and replacing all plumbing items like tap (all types), sink with wastage pipe, Floor drain mesh strainer, water supply, accessory water pipelines (all types), and drainage lines (both inside and outside complete channel) in all Green Houses, Net Houses
21.	Roof leaking (polycarbonate structures and civil work) with drainage channels (roof-top side)
22.	Covering of fan pads at the onset of winter season
23.	Floor cleaning work quarterly of all Green Houses (sequentially)
24.	Roof cleaning of all Green Houses quarterly

25	Repair/replacement of Nylon mesh/SS mesh of all Net Houses
26	Weeding work (15-20 days intervals) in plots/pits/Net Houses
27	Soil replacement work in plots/pits as per requirement
28	Maintenance of Culture racks with all accessories (Tubelights /LED, electronic ballasts).
29	Maintaining required Temperature, Humidity, and light throughout the year in all Green Houses
30	Recording GH parameters twice a day
31	Fire detector inspection daily
32	Parts replacement as per existing standard make and configuration of the system

Note: **Green House Main power incomer (LT panel), Green House Main overhead water tank, and all Air Conditioners (AC only) ICGEB scope**

Daily work	Weekly work	15-20 days	Monthly work	Quarterly work	Half-yearly	Annually work
1. Timely reporting of Maintenance Technician 2. Recording of GH parameters twice a day 3. Make sure satisfactory functioning of all GH facilities and immediate remedial measures for any malfunctioning 4. Monitoring water supply 5. Fire detector inspection daily	1. Cleaning of axial fan mesh, filters, glass etc. 2. Cleaning of all control panels/equipment 3. Cleaning of misting nozzles 4. Preventive maintenance	Weeding work	1. RO system servicing 2. Cleaning of Hydroponics system water tank	1. Cleaning of polycarbonate structure (complete) 2. Cleaning of cooling pad system with mesh 3. Floor cleaning 4. Roof cleaning	1. Cleaning of poly film (False ceiling) 2. Drain channel of GH-15 (inside) 3. Cleaning of Water tanks	1. Cleaning of water tanks/drain channels (rooftop side) 2. Benches repairing and painting 3. Walls repairing and painting 4. Covering of fan-pad in winter season 5. cleaning of the poly film (False ceiling) and drain channel of GH-15 6. Repairing and painting of Cooling pad frames

## List of CMC related Green houses and installations

### Green House No-01

Air curtain with NO/NC switch (Main entry) -01

1. Commercial heater 2.5 KW- 03(G1/H1, H2, H3)
2. Temperature controller- 01
3. Switching units- 04(G1/SU1, 2, 3, 4)
4. Humidity controller- 01
5. Hydroponics with entire system – 02(G1/ Hydro-1, Hydro-2)
6. Roof ventilation system –01
7. PAR lights -02(G1/P1, P2)
8. Shade Net system
9. False ceiling
10. Benches-04(G1/B1-B4)

### Green House No-02

1. Roof ventilation system –01
2. Temperature controller- 01
3. Switching units- 04(G2/SU-1, 2,3,4)
4. Shade Net system
5. False ceiling

### Green House No-03

1. Temperature controller- 01
2. Switching units- 05(G3/SU-1, 2,3,4,5)
3. Microclimatic Humidity controller- 01
4. Programmable photoperiodic timer-01
5. Roof ventilation system –01
6. RO with entire system -02(G3/RO-1, RO-2)
7. RO Water tank- 01
8. Humidifiers -02(G3/Hum-1, Hum-2)
9. PAR lights -08(G3/P1-P8)
10. Commercial heater 2.5 KW- 04(G3/H1-H4)
11. Exhaust fans 12 inches -02(G3/EF-1, EF-2)
12. Shade Net system
13. Benches- 09(G3/B1-B9)

#### Green House No-04

1. Temperature controller- 01
2. Switching units- 02(G4/SU1,2)
3. Piltz timer- 01
4. Sequential timer- 01
5. Roof ventilation system –01
6. Commercial heater 2.5 KW- 03(G4/H1, H2, H3)
7. PAR lights -02(G4/P1, P2)
8. Shade Net system
9. False ceiling
10. Benches-08(G4/B1-B8)

#### Green House No-05

1. Microprocessor Control panel- 01
2. Axial fans- 02(G5/AF1, AF-2)
3. Commercial heater 2.5 KW- 06(G5/H1-H6)
4. RO with entire system- 02(G5/RO-1, RO-2)
5. RO Water tank- 01
6. Humidifiers – 02(G5/Hum-1, Hum-2)
7. PAR lights- 10(G5/P1-P10)
8. Cooling pad with entire system - 01
9. Water tank Cooling Pad)- 01
10. Water pump -01
11. Water storage tank- 01
12. Air curtain with NO/NC switch -01
13. Exhaust fan 12 inches (buffer room)- 01
14. Shade Net system
15. Benches-12(G5/B1-B12)

#### Green House No-06

1. Microprocessor Control panel- 01
2. Axial fan- 01
3. Commercial heater 2.5 KW- 03(G6/H1, H2, H3)
4. PAR lights- 04(G6/P1-P4)
5. Cooling pad with entire system-01
6. Water tanks (Cooling pad & Misting)- 02
7. Shade Net system
8. Benches-07(G6/B1-B7)

### **Green House No-07**

1. Microprocessor Control panel- 01
2. Axial fan- 01
3. Commercial heater 2.5 KW- 03(G7/H1, H2, H3)
4. PAR lights- 04(G7/P1-P4)
5. Cooling pad with entire system- 01
6. Water tanks (Cooling pad and Misting)- 02
7. Shade Net system
8. Benches-07(G7/B1-B7)

### **Green House No-08**

1. Microprocessor Control panel- 01
2. Commercial heater 2.5 KW- 04(G8/H1-H4)
3. RO with entire system –02(G8/RO-1, RO-2)
4. RO Water tank- 01
5. Humidifiers- 02(G8/Hum-1, Hum-2)
6. Lights(normal)- 06(G8/L1-L6)
7. Shade Net system
8. Benches-08(G8/B1-B8)

### **Green House No-09**

1. Microprocessor Control panel- 01
2. Axial fan- 01
3. Commercial heater 2.5 KW- 02(G9/H1, H2)
4. Cooling pad with entire system-01
5. Water tank (Cooling pad)- 01
6. Shade Net system
7. Benches-05(G9/B1-B5)

### **Buffer area(GH-6,7,8,9)**

1. Air curtain with NO/NC switch- 01
2. Exhaust fan (12 inches)- 01

### **Green House No-10**

1. Microprocessor Control panel- 01
2. Axial fans-02(G10/AF-1, AF-2)
3. Commercial heater 2.5 KW- 10(G10/H1-H10)
4. RO with entire system- 02(G10/RO-1, RO-2)
5. RO Water tank- 01
6. Humidifiers – 04(G10/Hum1-Hum4)

7. PAR lights- 20(G10/P1-P20)
8. Cooling pad with entire system -01
9. Water tank (Cooling pad)- 01
10. Water pump -01
11. Water storage tank- 01
12. Air curtain with NO/NC switch -01
13. Exhaust fan 12 inches (buffer room)- 01
14. Shade Net system
15. Benches-20(G10/B1-B20)

#### **Green House No-11**

1. Microprocessor Control panel- 01
2. Commercial heater 2.5 KW- 05(G11/H1-H5)
3. RO with entire system- 01
4. RO Water tank- 02
5. Humidifiers -02(G11/Hum-1, Hum-2)
6. PAR lights-04(G11/P1-P4)
7. Water pump- 01
8. Water storage tank- 01
9. Air curtain with NO/NC switch- 01
10. Exhaust fan 12 inches (buffer room)- 01
11. Shade Net system

#### **Green House No-12**

1. Microprocessor Control panel- 01
2. Programmable photoperiodic timer-01
3. Commercial heater 2.5 KW- 07(G12/H1-H7)
4. Misting with entire system
5. Water tank (Misting)- 01
6. Water storage tank- 01
7. PAR lights- 06(G12/P1-P6)
8. Air curtain with NO/NC switch -01
9. Exhaust fan 12 inches (buffer room)- 01
10. Shade Net system

#### **Green House No-13**

1. Microprocessor Control panel - 01
2. Axial fans- 02(G13/AF-1, AF-2)
3. Commercial heater 2.5 KW- 04(G13/H1-H4)
4. Mist fans with tank- 04(G13/MF-1,2,3,4)



5. Water tank (Misting) - 01
6. PAR lights- 22(G13/P1-P22)
7. Cooling pad with entire system – 01
8. Water tank (Cooling pad)- 01
9. Air curtain with NO/NC switch - 01
10. Exhaust fan 12 inches (buffer room)- 01
11. Shade Net system
12. Benches-07(G13/B1-B7)

#### **Green House No-14**

1. Microprocessor Control panel- 01
2. Axial fans- 04(G14/AF1-AF4)
3. Heaters(OFR)- 06(G14/H1-H6)
4. Mist fans with tank- 02(G14/MF-1,2)
5. Water tank(misting)- 01
6. PAR lights- 10(G14/P1-P10)
7. Cooling pad with entire system - 01
8. Water tank (Cooling pad)- 01
9. Air curtain with NO/NC switch -01
10. Exhaust fan 12 inches (buffer room)-01
11. Hydroponics with entire system-02(G14/Hydro-1, Hydro-2)
12. Shade Net system
13. Water storage tank- 01

#### **Green House No-15**

1. Microprocessor Control panel - 01
2. Commercial heater 2.5 KW- 08(G15/H1-H8)
3. RO with entire system- 03(G15/RO-1, RO-2, RO-3)
4. RO Water tank- 01
5. Humidifiers -06(G15/Hum1-Hum6)
6. PAR lights- 28(G15/P1-P28)
7. Exhaust fan 12 inches (buffer room)-01
8. Shade Net system
9. Water storage tank- 01

#### **Net Houses**

- **Net House No#1**(water pipe line with tap and valves)
- **Net House No#2** with Nylon mesh ((water pipe line with tap and valves)
- **Net House No#3** with SS mesh and 4 Exhaust fans (water pipe line with tap and valves)

## **CULTURE ROOMS**

### **Culture room No-1 (Green House)**

1. Temperature controller -01
2. Programmable photoperiodic timer-01
3. Room heaters-02(C-1/RH-1, RH-2)
4. Culture racks with all accessories-04(C1/CR-1,2,3,4)

### **Culture room No-2 (Green House)**

1. Temperature controller- 01
2. Programmable photoperiodic timer- 01
3. Heaters-02(C2/H1, H2)
4. Culture racks with all accessories-04(C2/CR-1,2,3,4)

### **Culture room No-3 (Green House)**

1. Microprocessor Control panel – 01
2. Photosynthetic light controller-01
3. Culture racks with all accessories-03(C3/CR-1,2,3)

### **Culture room No-4 (Green House)**

1. Microclimatic Temperature controller – 01
2. Temperature controller(AC)- 01
3. Culture racks with all accessories-06(C4/CR-1-6)

### **Culture Room No. 5 (First Floor Main building)**

1. Programmable photoperiodic Control panel-01
2. Culture racks with all accessories- 04

### **Culture Room No. 6 (Second Floor Main building)**

1. Control panel-01
2. Temperature controller(Model3300)- 01
3. Photosynthetic light controller- 01
4. Culture racks with all accessories- 13

### **Arabidopsis Room (Green House)**

1. Temperature controller – 01
2. Programmable photoperiodic timer-01
3. Sequential timer(ACs)- 01
4. Commercial heater 2.5 KW -01
5. Humidifier with entire system-01
6. Humidity controller- 01
7. Culture racks with all accessories-03

### **Soil mixing machine with covered Polycarbonate structure**

(4)

## **Terms of Payment**

**Payment terms:** Monthly after submission of tax invoice.

- Payment will be made against the monthly bill raised by the contractor, after due verification by the concerned official(s) of ICGEB responsible for supervision of the work, who may at his or her discretion, effect deductions for non-performance or delayed/improper work. The payment will be made within 15 days from the date of receipt of the bill.

## **Penalty Clause**

1. During CMC and warranty period, the complaint should be attended within a period of 12 hrs. of complaint lodge. Failure to which recovery of Rs. 1,000/- per day per complaint shall be made from the agency's bill.
2. The complaint must be resolved within a period of 72 hrs of complaint lodge. Failure to which a fine of Rs. 2000/- per day per complaint will be made from the agency's bill.

(5)

**General terms and Condition Relating to Work**

1. **Escalation:** No escalation over and above items rates quoted by the bidder shall be paid during the execution of contract due to whatsoever reasons.
2. **Security deposit of 15 %** The successful bidder would have to deposit an amount of 15% of the annual contract value towards security deposit through demand draft/ pay order/ FDR/ Bank Guarantee from a commercial bank in favour of ICGEB which would remain with ICGEB during the contract period and no interest shall be payable on the security deposit amount.
3. **Deviations:** No deviation from the stipulated terms and conditions will be allowed. Tenders should be unconditional.
4. **Guarantee of Replacement / Repair:** During this period if any replacement of items and/or repairs / rectification is needed, the same should be replaced / repaired free of cost to ICGEB.
5. **Specifications:** Contractor is to follow relevant Indian standards codes for fire, electricity, safety and building rules. Where not specified will be as per the best industry practices, ISI marked or CPWD Technical Specifications whichever is superior. In case of any variation in specifications at different places in NIT, the best /richer specification will be considered. However, decision of ICGEB will be final.
6. Inferior and Poor quality material shall not be accepted.
7. The contractor will have to undertake responsibility of accidents etc. for his persons working on site and same will be on stamped paper of Rs.50/100 or the appropriate value (if revised by Govt.) The cost of stamp will be borne by the contractor.
8. The Contractor shall clean the site after completion of work. Any dismantled material shall be stacked in designated place as instructed by the Engineer-in-charge.
9. Charges for scaffolding or jhula if any, will be considered included in the quoted rates and no extra amount will be paid on this account.
10. All materials brought at site shall be got approved from the Engineer in charge before incorporation.
11. Contractor shall carry out the various tests as enumerated in CPWD/BIS/DPCC/ Biosafety specification at his own cost.
12. In case the bidder resiles from the offer within the validity of tender or contractor fails to work as per specification after issue of the award letter, the earnest money and security deposit will be forfeited. Other suitable administrative punitive action may also have imposed as deemed fit.
13. Contractor should depute a qualified supervisor dedicated for this site, who will co-ordinate work execution activities and interact with the ICGEB representative responsible for supervision of

- work. All the persons deployed at ICGEB site should carry valid gate-passes. Any negligence/offence on their part will attract immediate removal from site.
14. The contractor will provide for all necessary materials, tools, equipment, measuring instruments and working consumables etc., needed for execution of the works. Safe custody of all such material will be contractor's sole responsibility. No extra charges will be paid for the same.
  15. Watch and Ward of all material till the system is taken over by ICGEB shall be the sole responsibility of the contractor and pilferage etc. shall be entirely to his account.
  16. During execution of work, the contractor should follow all standard norms of safety measures / precautions to avoid accidents / damages to man, machines and buildings. On non-adherence of this clause, suitable fines as decided by the Director, ICGEB shall be imposed.
  17. Challan: No material belonging to the contractor whether consumable or non-consumable should be brought inside the ICGEB campus without proper entry at the main gate nor any material should be taken out without proper gate pass issued by the ICGEB. List of all inwards / outwards challan to be maintained by the contractor with a copy mark to ICGEB.
  18. ICGEB will provide free water and electricity during installation work at ICGEB at one point. The contractor has to make his own arrangements for distribution of power and water from that point as per his requirements.
  19. Termination of Contract: The Director, ICGEB reserves the right to terminate the contract on account of poor workmanship, non-compliance of set norms/ specifications for the works, delay in progress of work, violation of any contract provisions by the contractor. In such case the contractor is liable to pay liquidated damages @ 10% of tendered value besides performance security / EMD.
  20. The vendor has to ensure that at the time of completion of the contract, he will hand over the site to the next selected vendor in full operational condition with standard parameters.

(6)

## **SPECIAL TERMS AND CONDITION**

### **1. GUARANTEE AND MAINTENANCE**

1.1 Guarantee - The successful bidder shall guarantee all equipment parts, materials and workmanship furnished for the installation. The guarantee warrants replacing parts. All failed parts during guarantee period shall be replaced without any cost to ICGEB and such replacement shall be factory approved new, equal or better than original. All expenses for labour, tools, materials, transportation, insurance, etc., required in performance of guarantee work shall be at the successful bidder's expense.

### **2. SAFETY PRECAUTIONS**

- i) It is entirely the responsibility of the successful bidder to practice the principles of 'SAFETY FIRST' during the entire tenure of work with adequate insurance covering injury or death of workmen, loss by theft or damage to materials and property and third party.
- ii) The successful bidder should clear the site of all debris every day to avoid accidents. In case this is not done, the Owner may engage necessary labour to maintain the cleanliness of the premises and removal of debris and recover all or part of the expenditure so incurred from the successful bidder.
- iii) The successful bidder shall, at his own cost, ensure that all of his personnel, employees, workmen and other associated persons working with him at the site are adequately insured as per labour laws and statutory provisions. The successful bidder shall be responsible for all injuries/damages to men, materials and properties etc., which may arise from the operations or negligence of himself and/or his sub-contractor and indemnify ICGEB for all such expenses, which shall be solely to successful bidder's own account.'

### **3. INSURANCE**

The successful bidder shall, at his own expense, arrange for insurance policies, such as Workmen Compensation Policy and Bidder's All Risk Policy in the amount of the Contract effective from the date of commencement of work until final completion, against all of the following risks.

- i) Injuries and damage of persons, property, animals or things, within or outside the site, arising out of his operations or of any sub-contractors, nominated or otherwise or out of any actions of his employees, agents or representatives.
- ii) Injuries to his or any sub-contractor's employees.

- iii) Damage to or loss of property, equipment, and materials at site, of the Owner, Bidder and all sub-contractors, as a result of natural causes such as lightning, storm, flood, rain, fire, earthquake, explosion, landslide, etc.
- iv) Damage and injuries to persons, property and materials arising out of riot and civil commotion, theft, sabotage malicious acts, terrorist activities, etc.
- v) No certificate of payment shall be issued by ICGEB if the Bidder fails to arrange for total insurance cover.
- vi) The bidder shall reinstate in a manner approved by the Project Manager, all damage of every sort entirely at his cost, so as to deliver up to the Owner the whole of the works complete and perfect in all respects and so certified by the ICGEB and also be made good or otherwise satisfy all clause for damage to the property of third parties.
- vii) The bidder shall be responsible for anything within his control and for all risks and consequences, which are not included in the purview of the insurance policies.
- viii) The insurance shall be extended until final completion.
- ix) The bidder undertakes not to cancel any insurance policy or reduce its scope without the written consent of the ICGEB.

4. **Jurisdiction –**

Any dispute arising out of this contract will be in accordance with the principle of international laws.

5. **SITE VISIT:**

Interested Bidders may visit the ICGEB Campus before submission of the bid. For site visit, please contact Mr. Naresh Chand Dabral Component In-charge, Tel: 26741358, 26742357 on any working day (Monday to Friday) between 10:00 to 17:00 hours.

- 6. The contractor shall submit a list of staff to be deployed by them showing their full name, local and permanent address, age, father's name, qualification and police station verification/ registration and shall be fully responsible for the safety and security of their staff. No compensation shall be payable by ICGEB in case of any accident/death of any of them while operating/servicing the plants and equipment.
- 7. ICGEB shall be fully empowered to expel any of the contractor's staff in case of any misbehaviour / indiscipline / misconduct / violence / late attendance / incompetence / theft and if such an expulsion takes place, then the relevant clause of recovery shall be applicable.
- 8. The contractor shall ensure that the breakdown call of normal nature is attended to immediately. Breakdown due to reasons beyond control, shall however, be attended/rectified within reasonable time to be decided in consultation with the ICGEB officials.

9. For undertaking works like cleaning of cooling coil, de-scaling of condensers, valves, or for any heavy dismantling work for proper inspection/maintenance, any extra manpower or tools and tackle required, shall be arranged by the contractor without any extra charges.
10. Since the contract is for operation on 24-hour basis, physical custody and responsibility of all the plants, equipment and machinery covered under this contract, shall rest on the contractor.
11. All consumables like de-scaling chemical, vaniclean/ soft action cleaning chemical for cleaning of, gland packing, rubber / neoprene gaskets, grease, old dhoti, duster, broom etc., shall be supplied by the contractor without any extra charges.
12. ICGEB shall have the option to extend the terms of this contract for an additional period as mutually agreed, with the same terms and conditions for a maximum of three years
13. The contractor will also be bound to any notice from ICGEB, with respect to improving the maintenance in the awarded area, as required from time to time during the course of this maintenance contract.
14. Please note that the payment of any statutory direct or indirect taxes at the contractor's end, arising out of transactions due to this contract will be solely the contractor's responsibility.
15. The contractor shall ensure compliance with all the statutory laws and by-laws of the Central Government/State Government/Municipal authorities related to the employment of their staff and all such obligations under Wage Act, Workmen compensation Act, E. S. I. Act, Provident Fund & Miscellaneous Provision Act, Bonus Act, and Contract Labour Act 1971 etc., and any other governing Act applicable. ICGEB will not be involved or be responsible for such matters in any way.
16. The contractor shall pay his workers not below the rates under Minimum Wages Act, as notified from time to time, and comply with various Labour Acts. Payment of the Income Tax, if required, shall be the responsibility of the contractor.
17. The contract can be terminated mutually by giving minimum two-month notice



(To be made on Rs.100.00 Non Judicial Stamp Paper)

### DRAFT AGREEMENT

This Agreement is made on \_\_\_\_\_ day of \_\_\_\_\_ Two thousand \_\_\_\_\_ between International Centre for Genetic Engineering & Biotechnology, New Delhi, as one part, hereinafter called ICGEB and M/s \_\_\_\_\_ Agency for “Comprehensive Maintenance Contract of Green house facility at ICGEB campus” on the other part.

WHEREAS the ICGEB is desirous to engage the Agency for providing “Comprehensive Maintenance Contract of Green house facility” at ICGEB New Delhi campus, on the terms and conditions as stated below:

1. The agency shall be solely responsible for compliance to provisions of various labour, industrial and any other laws applicable and all statutory obligations, such as, wages, allowances, compensations, EPF, Bonus, Gratuity, ESI etc relating to contract personnel deployed in ICGEB. The ICGEB shall have no liability in this regard.
2. The Agency shall be solely responsible for any death/accident/medical/health related liability/compensation for the personnel deployed by it at ICGEB while carrying out work at ICGEB or otherwise. The ICGEB shall have no liability in this regard.
3. Any violation of instructions/agreement or suppression of facts will attract cancellation of agreement without any reference or any notice period.
4. The contract can be terminated by giving two months notice on either side.
5. In case of non-compliance with the contract, ICGEB reserves its right to:
  - a. Cancel/revoke the contract, and /or
  - b. Impose penalty up to 10% of the total annual value of the contract.
6. Security deposit equal to 15% of the Annual Contract Value (refundable without interest after two months of termination of the contract) in the form of pay order/demand draft/FDR/or bank guarantee from a commercial bank shall be furnished at the time of signing of the Agreement.
7. The personnel provided by the Agency will not claim to become the employees of ICGEB and there will be no Employee and Employer relationship between the personnel engaged by the Agency for deployment in ICGEB.
8. The agency also agrees to comply with **Terms and Condition of NIT- 07/2023** and amendments thereto from time to time.
9. Decision of ICGEB in regard to interpretation of the terms and conditions and the Agreement shall be final and binding on the Agency.
10. All the terms and conditions detailed in the tender document (ICGEB/NIT /Infrastructural Facilities/2023) will remain in force during the term of the contract.

11. In case of any dispute between the Agency and ICGEB, ICGEB shall have the right to decide. Any dispute arising out of this contract will be in accordance with the principle of international laws.

IN WITNESS WHEREOF both the parties have set and subscribed their respective hands with their Seal in ICGEB campus, New Delhi in the presence of the witness:

**International Centre for Genetic Engineering & Biotechnology:**

Witness:

1.

1.

Biju Mathew  
(Administrative Officer)

**Agency:**

Witness:

1.

Authorised Signatory  
Name & Address of the firm with seal

2.

**(7)**

## **Annexures for Technical Bid**

**Note: All the Annexures should be filled properly and neatly.**

## Annexure-A

## TECHNICAL BID FORM

S. No.	Description.	Fill the detail	Page No. of documentary
1.	Name of Agency.		
2.	Name of the Contractor (Firm/Individual) and Contact Person.		
3.	Date of Incorporation of the Firm		
4.	Whether Proprietary / Partnership		
5	Office Address in Delhi NCR, Tel. Nos and Email ID:		
6	GST Registration details (with documentary evidence)	No.	
7	PAN No. (with documentary evidence)	No.	
8	ESI Registration No and date of registration (Receipts/ Challans for documentary evidence)	No. Date.	
9	EPF Registration No. and date of registration Receipts/ Challans for documentary evidence	No. Date.	
10	An average annual turnover of not less than Rs. 1.00 Crore for last three years (2019-20, 2020-21 and 2021-22)	2019-20 Rs. 2020-21 Rs. 2021-22 Rs.	
11	Experience (last Seven years) (with 02 years continuation in a single organization) ending Apr, 2023 (copies of work orders and completion certificates if fully executed)		

12	One similar work of value not less than Rs 4.00 Lakhs per annum.	1. Work order No. Date: Rs.	
13	Two similar works, each of value not less than Rs. 2.50 Lakhs each per annum.	1. Work order No. Date: Rs. 2. Work order No. Date: Rs.	
14	Three Similar works each of value not less than Rs 2.00 Lakhs each per annum	1. Work order No. Date: Rs. 2. Work order No. Date: Rs. 3. Work order No. Date: Rs.	
15	Completion certificate, if fully executed.		
16	Signed and stamped Tender document		
17	Tender Fee		
18	Earnest Money Deposit		
19	Undertaking for not black listed		
20	Site visit acceptance certificate (signed and stamped)		

Authorised Signatory  
Name & Address of the firm with seal

**Annexure-B****TURNOVER DETAILS****Last Three Years Annual Turnover of the Bidding Entity**

(As per the Audited Financial Statement/Annual reports to be enclosed duly certified by CA, copies of Income tax returns also enclosed as proof)

<b>Financial Year</b>	<b>Turnover of operations in similar kind of business</b>	<b>Turnover in Other Operations</b>	<b>Total Turnover</b>	<b>Net Profit</b>

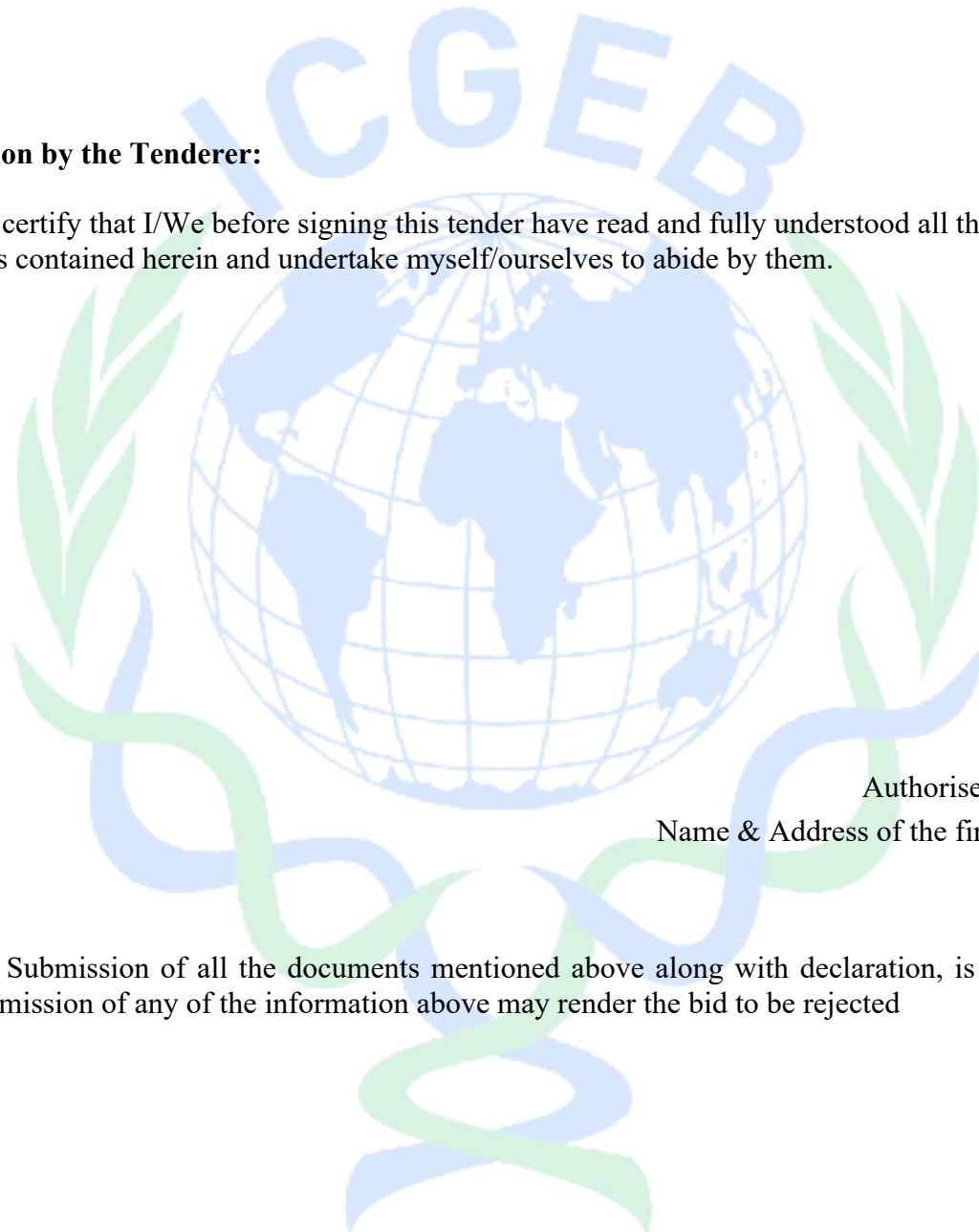
- i. Financial Statements are Balance Sheets and Profit & Loss Statements duly certified by a CA.
- ii. The Audited Financial Statement etc., are for the year 2019-2020, 2020-2021 and 2021-2022 (Proofs to be submitted to satisfy/meet the requirements of the Eligibility criteria).

Authorised Signatory  
Name & Address of the firm with seal

**Annexure – C**

**Declaration by the Tenderer:**

This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself/ourselves to abide by them.



Authorised Signatory  
Name & Address of the firm with seal

NOTE: Submission of all the documents mentioned above along with declaration, is mandatory.  
Non submission of any of the information above may render the bid to be rejected

**Annexure –D**

**Details of other organizations where such contracts were undertaken as per the eligibility criteria.**

(Enclose supporting documents).

Proforma containing details of other organizations where such or similar contracts were undertaken.

Sl. No.	Name &Address of the rganization, contact number	No. of personnel supplied	Period of contract	Whether international / Govt/semiGovt/ Autonomous Bodies/ research laboratories//PSUs/ Institutions/ Industries etc. (pls. specify)	Amount of contract	Reason for termination (if currently not valid)



**Annexure –E**

**UNDERTAKING/DECLARATION FOR NOT BEING BLACKLISTED**

Date.....

To,  
The Director  
International Centre for Genetic Engineering & Biotechnology  
ArunaAsaf Ali Marg  
New Delhi – 110 067.

Dear Sir,

I / We ..... hereby confirm that our firm has not been banned or Blacklisted by any government organizations/Institutions/Court/Public sector Units/Private organization. Further it is certified that there is no police case pending against our firm/partner relating to previous service contracts.

Authorised Signatory  
Name & Address of the firm with seal

**Annexure - F**

This certificate shall be furnished duly signed & stamped with Techno-commercial Bid.

**Site Visit Certificate**

This is to certify that we have visited the site for work of Comprehensive Maintenance Contract of Green house facility at ICGEB campus..... and assessed the actual situation & nature of site. We have also assessed the amount of work involved at site for tendered work before submitting our offer. We will be able to complete the above work within stipulated time as per site conditions.

We further undertake that no extra cost will be claimed by us later-on for any difficulties/ modifications involved during the execution of tendered works. We understand that work is to be executed in an already operational/ functional institute.

Component In Charge  
ICGEB New Delhi

Authorised Signatory  
Name & Address of the firm with seal



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# Price bid

**PART-II****PRICE BID (Schedule of Rate)  
Comprehensive Maintenance Contract of Green House Facility**

<b>S. No.</b>	<b>Description</b>	<b>Amount</b>
	<b>Comprehensive Maintenance Contract of Green house Facility</b>	
A	One year (Twelve months) Comprehensive Maintenance Contract cost for 15 no's Green houses, 3 Net houses, 6 Culture rooms, 1 Arabidopsis room and 1 Soil mixing machine.	
B	GST	
<b>Total</b>	A + B =	
(Amt. in words: _____ )		

**Note:**

1. Abnormally low and high bid will not be entertained.
2. Before quoting the rates, the Contractors should inspect the works at campus of ICGEB.

*Authorised Signatory  
Name & Address of the firm with seal*

