

TENDER DOCUMENTS

NIT- 20/2023

FOR

Construction of Insectary room.

AT

INTERNATIONAL CENTRE FOR GENETIC ENGINEERING & BIOTECHNOLOGY (ICGEB)

Aruna Asaf Ali Marg, New Delhi – 110067

Website: 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 "Construction of Insectary room"
Interested & competent firm/individual may download the Bid documents from ICGEB website

IMPORTANT INFORMATION

Name of Work	Construction of Insectary room.
Tender No.	NIT-20/2023
Earnest Money Deposit (EMD) & Tender Fee	EMD of Rs. 20,000/- (Twenty Thousand Rupees only) & Tender Fee of Rs 1,000/-(One Thousand Rupees only) in the form of separate demand draft to be drawn in favour of International Centre for Genetic Engineering & Biotechnology payable at New Delhi.
Distribution of Tender Document	To be downloaded from the website of the ICGEB http://www.icgeb.res.in/ndinfo.htm
Last Date and time for Bid Submission	4 th Dec, 2023 till 3.00 PM
Address at which Bid is to be submitted	Should be dropped in the tender box at the reception of International Centre for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, and New Delhi – 110067.
Date, Time & Place of opening of the Technical Bid	4 th Dec, 2023 at 4:15 PM, ICGEB
Date, Time & Place of opening of the Financial Bid	Technically qualified bidders will be called for financial bid opening
Method of selection	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 opening date 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.

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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 address in Delhi/NCR.
2. Copies of the work order and completion certificate successfully executed for similar kind of work (Civil Related work) during the last 7 years preferably for reputed Public Ltd. Companies, Public sector, Govt. Institutions and autonomous bodies in the following manner.
 - A. The Bidder should have successfully completed one single assignment of similar kind of work for Rs. 8,00,000/-. **OR**
 - B. Two similar work of Rs. 5,00,000/- each. **OR**
 - C. Three Similar work of Rs. 4,00,000/- each.
3. The bidder should have valid GST/TIN, registration certificates from relevant authorities (provide latest receipts/challans for documentary evidence).
4. The bidder should submit PAN number with documentary evidence
5. 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.
6. 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.

(3)

GENERAL TERMS AND CONDITIONS FOR SUBMISSION OF THE BID

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

1. 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:

2. TECHNICAL BID should contain the following:

Note: All the Annexures to be filled properly and neatly.

- a. Technical Bid Form. (Annexure-A)
- b. Certificate of registration (GST, PAN).
- c. Documentary evidence for minimum qualifying criteria.
- d. Tender Fee of Rs. 1,000/-.
- e. EMD DD of Rs. 20,000/-
- f. Undertakings / declaration certificates (Annexure -B)
- g. Complete Tender document (except price bid) duly sign and stamp on each page as a token of acceptance
- h. Site Visit certificate (Annexure C)

3. FINANCIAL / PRICE BID:

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.

4. EARNEST MONEY DEPOSIT & TENDER FEE:

Earnest money deposit amount equivalent to Rs. 20,000/- (Twenty Thousand Rupees only) & Tender Fee of Rs 1,000/- (One Thousand Rupees 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. of successful bidder shall be released after submission of performance guarantee by him. 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.

- 5. 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.

6. 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, Email ID: ncdabral@icgeb.res.in on any working day (Monday to Friday) between 10:00 to 17:00 hours.

- 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 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:

1. 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.

2. 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.
3. No deviations in respect of NIT conditions are acceptable.
4. 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.

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. "Bid for Construction of Insectary room - Technical Bid"
- ii. "Bid for Construction of Insectary room - 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 "Construction of Insectary room". 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

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:

1. 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.
2. 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.
3. 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.
4. All non-substantial Technical Bids will be rejected as non-responsive and corresponding Financial Bids shall be excluded from further evaluation.
5. 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.
6. 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.
7. 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.
8. The Bidders who have duly complied with the Eligibility Criteria will be eligible for further processing.
9. The successful bidders of the Technical Bids will qualify for opening of the Financial Bids.
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 Construction of Insectary room.
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.

22. ARBITRATION/RESOLUTION OF AND JURISDICTION

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


(4)

Scope of Work

Name of Work: Construction of Insectary room.

S. No.	Description of work	Qty.
A	CIVIL WORK	
1	Demolishing brick work manually / by mechanical means including stacking of serviceable materials and disposal of unserviceable materials within 50 metre In cement mortar.	2 CUM
2	EARTH WORK/ SITE CLEARENCE - Clearing grass and removal of rubbish up to a distance of 30 m outside the periphery of the area as per technical specification .	180 SQM
3	SUBBASE COURSE - - Granular Sub-Base with Coarse Graded Material (Construction of granular sub-base by providing coarse graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete for grading- Material. (6” Thickness))	30 CUM
4	Dry Lean Cement Concrete Sub- base (Construction of dry lean cement concrete Sub-base over a prepared subgrade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8- 10 tonnes vibratory roller, finishing and curing.) (Thickness -4”)	17 CUM
5	CEMENT CONCRETE PAVEMENT - (Construction of unreinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades (Thickness -4”))	22 CUM

6	R.C.C - connecting existing slab Providing and laying in position specified grade of reinforced cement Concrete work in plinth beam, tie beam, footing, columns excluding the cost of cantering shuttering. All work up to plinth level. (a) 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm. Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, beam pillars, piers, abutments, posts and struts etc. excluding the cost of cantering shuttering. Thickness – 4”	2 CUM
7	REINFORCEMENT- connecting steel in existing slab of RCC work including bending, binding and placing in position complete. Tar/ TMT steel complete DIA - 8mm MAKE -TATA, JINDAL	200 KG
8	FORM WORK -Cantering and shuttering including strutting propping etc. and removal of form work of: (a) Foundation, footings base of columns etc. for mass concrete. (b) Lintel ,Beam ,Plinth beam ,columns, arches.	3.5 SQM
9	BRICK WORK- Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level from Cement mortar 1:4 (1 cement: 4 coarse sand) 9” brick work for column	4 CUM
9.1	BRICK WORK 18” FOR FOUNDATION	2 CUM
10	OUTSIDE ROUGH CAST PLASTER- external plaster Providing and applying 15mm thick internal plaster in one coat in cement mortar 1:3 with at all heights and locations for masonry (except stone masonry) and concrete surfaces/ brick masonry.	20 SQM
11	OBD in Room- Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade: New work / old work (two or more coats) over and including priming coat (two coats) with cement primer. MAKE – BURGER , ASIAN	40SQM
12	OUTSIDE WALL PAINT –Providing and applying Same as previous two or more coats of Textured Paint/ Surface Coating of approved make and shade over walls etc. after preparing the surface with a coat of primer and 6 mm thick plaster of Paris punning to give a smooth and even surface etc. complete.	50 SQM
13	FLOOR TILES- Providing and fixing anti -skid Ceramic tiles with skirting of approved quality, shape and thickness not less than 8mm on floor, skirting over a cement mortar bed of 15 mm thick in prop 1:3 (1 cement: Coarse Sand) approved make fix with Fix-A-Tile (Choksy / Sika / Pedelite / Roof) including pointing in white cement mixed with pigment of matching shade complete. Tiles Size- 600 x 600 mm MAKE- KAJARIA, SOMANY	12 SQMT

14	<p>Water Proofing on Roof - Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc. consisting of following operations. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with proprietary water proofing compound conforming to IS. 2645 over the RCC slab including cleaning the surface before treatment. (b) Laying cement concrete using broken bricks/brick bats 25 mm to 100 mm size with 50% of cement mortar 1:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound conforming to IS: 2645 over 20 mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound conforming to IS: 2645 to required slope and treating similar the adjoining walls up to 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS: 2645. (d) Finishing the surface with 20 mm thick joint less cement mortar of mix 1:4 (1 cement: 4 coarse sand) admixed with proprietary water proofing compound conforming to IS: 2645 and finally finishing the surface with trowel with neat cement slurry and making of 300x300 mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order MAKE – SIKA, , DR.FIXIT</p>	25 SQMT
15	<p>M.S Benches With Granite Top - Supply Providing and fixing working benches of M.S structure with cabinet with fully finished with painting and size – (8ftx2.6 ft) with Black Granite top same size as table With provision for S.S Sink complete. Image provided below-</p> 	1 NO
B	FABRICATION WORK	

1	<p>Aluminium Doors/Window- Frames and Shutters Providing and fixing aluminium work doors, window ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top. bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snab beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately) a) for fixed portion:10 Guage. Powder coated aluminium (minimum thickness of powder coating 50 micron DOOR - (3ftx 6.5 ft)- 1 NOS WINDOWS - (4ft x 3ft)- 2 NOS MAKE - TATA , JINDAL</p>	3 NOS
2	<p>Clean room facility DOOR - Providing and fixing fire resistant door frame of section 50 x 60mm on horizontal side & 35 x 60 mm on vertical sides having built in rebate made out of 1.6 mm thick GI sheet (Zinc coating not less than 120gm/m²) suitable for mounting 120 min Glazed Door Shutters. The frame shall be filled with Mineral wool Insulation having density min 96Kg/m³ . The frame will have a provision of G.I. Anchor fasteners (5 each on vertical style & 4 on horizontal style of size M10 x 80) suitable for fixing in the opening along with Factory made Template for SS Ball Bearing Hinges of Size 100x89x3mm for fixing of fire rated glazed shutter. The frame shall be finished with a approved fire resistant primer or Powder coating of not less than 30 micron in desired shade . (Cost of SS ball bearing hinges is included). ISI MARKED SIZE – (3ftX6.7 ft).</p>	1 NO

3	<p>M.S. SLOTTED ANGLE STORAGE- Providing and making M.S. slotted angle storage using angles of 18-gauge thickness and shelves of 20 gauge designed as per the specifications of standard manufacturers. Shelves shall be provided at 12” c/c (6 no’s shelves) & supported on frames on all four sides with vertical supports as per manufacturers' standard specifications completed with all necessary fitting and painting . size of storage - (14’ x 6’) with self according to size. Image provided below - Shelves shall be provided at 12” c/c (6 no’s shelves) .</p>  <p>MAKE – TATA , JINDAL</p>	1 NO
4	<p>S.S Sink- Providing and fixing Stainless Steel sink bowl with CPVC pipe connection for water from new building (approximate length 20 mtr 20 mm size)(overall size -25x18x9 inches and thickness- 1.2 mm) approx. (or as per site requirement/directed) of (Square designer satin finish) in the kitchen platform as under counter type in the granite slab and marble slab neatly according to the size of sink, complete as directed. The item includes waste coupling, Stainer, drain drop connection to the floor trap, waste pipe, drain pipe connectad to near manhole ,pipe size 4 inchPVC,length 15 mtr including cost of all material, labour charges, curing etc. complete as directed. ISI MARKED</p>	1 NO
5	<p>Swan neck mixer- Providing and fixing of swan neck mixer and tap for steel including cost of all material, labour charges etc. MAKE – CERA , JAQUAR</p>	1 NOS
C	<p>ELECTRICAL ITEMS</p>	
1	<p>GYSER – GEYSER – Supply installation testing and commissioning of 10 LTR storage water geyser with connection pipes and fittings as required. Make – (V-GUARD-VICTO 5 star , Havells – INSTANIO 10LTR GHWAICTWGO10)</p>	1 NO
2	<p>Supply, installation, testing and commissioning of 1.5 TR Split Ac, Five star, Inverter, copper including copper pipe with insulation (approximate 05 mtr) main supply cable , control wiring, drain piping, out door stand etc as required. (Make: OGENERAL, DAIKIN)</p>	02 Nos

3	Supply, installation, testing and commissioning of 12 inches' ventilation fan with shutter plastic body, including exhaust fan wiring (multi strand wire 1.5 sq mm), PVC conduit ON/OFF switches as required Make :Finolex, Havells.	01 no
4	Supply, installation, testing and commissioning of led batten 20 W, wiring (multi strand wire 1.5 sq mm), ON/OFF switches, pvc conduit as required Make :Finolex, Havells.	04 nos
5	Supply, installation, testing and commissioning of light controller (analog timer L&T 67 D 110-240 V Timer)	01 no
6	Supply, installation, testing and commissioning of Humidity controller (Honeywell) Wiring complete as required.	01 No
7	Supply, installation, testing and commissioning of Desert cooler (Havells CELIA, 55 ltr)	01 No
8	Supply installation, testing and commissioning of 25 x 4 Sq mm XLPE PVC insulated Aluminium conductor armoured cable 650/1100 volts complete with cable tray clamps, saddles, thimble, cable gland, etc including effective proper connection all necessary termination and digging etc to the work as required. Make :Finolex, Havells	30 Mtr.
9	Supply, installation testing and commissioning of Double door Three phase four way power distribution board and following MCB a) TPN 63 A - 01 no b) DP MCB 63 A - 03 nos c) SP MCB 20 A - 06 nos d) DP MCB 32 A - 01 no including Neutral link, earth link ,internal wirings as required Make : Havells, Legrand.	01 no
10	Providing and Fixing of Aluminium tubular sections in a wall , appropriate sections size 4 x 2.5 inch for fixing electrical power points, including hole cutting as required Make; JINDAL , TATA	10 Mtr
11	Supply, installation, testing and commissioning of 16 A switch with socket (modular type power points), wiring fixing complete as required.(wiring for power points to PDB four circuits, used 4 SQ mm for neutral/phase and 1.5 sq mm for earth) Make :Finolex, Havells	12 Nos
12.	Supply and Installation of Dawn & Dusk Simulator Sunlight Mimicking System for Insectaries.	1 No.

Approved make:

SPLIT AC– OGENERAL AND DAIKIN
CEMENT – ULTRATECH, AMBUJA

(5)

TERMS OF PAYMENT

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. **Performance Guarantee @ 5%** shall be deposited to the department on the work order amount by the agency within a period of 15 days from the date of issue of LOI (work order) before commencement of work. Performance guaranty shall only be acceptable in the form of bank guarantee /DD and it will be returned after successful completion of work. (Date of completion certificate issued by ICGEB)

If tenderer fails to deposit the said performance security within the period as indicated, the Earnest Money deposited by the tenderer shall be forfeited automatically without any notice to the tenderer and without prejudice to any other right or remedy. Performance Bank guarantee shall be valid for entire contract period and two extra months. In case of con-tract extension with or without LD the validity of BG shall also be extended for the extended period with additional two months.

- FORFEITURE: Performance Bank guarantee shall contain a statement that it shall be automatically and unconditionally forfeited without recourse and payable against the presentation by ICGEB to the relevant company/ correspondent bank, as the case may be, together with a simple statement that tenderer has failed to com- ply with any term or condition set forth in the Contract.
 - RELEASE: Performance Bank guarantee will be released without interest on successful taking over of the project by ICGEB on receipt of written request from tenderer.
3. **Security deposit of 10%** will be deducted from the Contractors bills and same will be released after successful expiry of defect liability of 12 months from date of completion of Work.
 4. **Payment of bills:**
100 % payments after satisfactory completions of work.
 5. **Extra Items:** - During the execution of work, the contractor may require to execute certain additional/extra items in order to complete the job/works beyond the BOQ for which no rates are available. The payment for such extra/deviated items shall be paid as per rate approved on the basis of analysis. The cost component for rate analysis shall be (i) cost of material (ii) cost of direct labour (iii) Contractor over heads & profit 10%. Before execution of extra work, the rate analysis may be forwarded to ICGEB for approval of the Director, ICGEB. However, the extra items amount should not exceed 10% of the total contract value including all taxes.
 6. **Guarantee/Defect Liability Period:** The contractor should guarantee for the works / items executed by him against the bad material / workmanship for a period of one year from the

date of acceptance by ICGEB. During this period if any replacement of items and/or repairs / rectification is needed, the same should be replaced / repaired free of cost to ICGE

7. **Liquidated Damage:** In case the work is delayed beyond the specified completion period for reasons attributed to the contractor, deductions on account of Liquidated damages @ 1 % of the contract value per week will be deducted subject to a maximum of 10% of the total contract value excluding GST. However, in case the works are delayed beyond the schedule completion/contract period, ICGEB reserves the right to get the work done by any other contractor at the risk and cost of the contractor and amount to this affect along with 10% over heads will be deductible from his bills/dues.

8. Rates quoted by bidder in 'Price Bid' will be item rates i.e. will be all inclusive including material, labour, cartage, tools, tackles, all access ladders & scaffolding, (all taxes excluding GST), Contractors overhead profit and all other expenses not specifically mentioned but reasonably implied.

(6)

GENERAL TERMS AND CONDITIONS RELATING TO WORKS

1. **Completion Time:** Time limit for completion of the work is 45 days from the date of the order issued. The time shall be the essence of this contract and entire work as titled above is to be completed in all respects within the given time from the date of issue of work order. The successful bidder has to submit the time & activity chart for the completion of work.

Under the force-major conditions or delay due to reasons beyond control of the contractor, ICGEB may grant suitable time extension for which the contractor has to request along with the justification/ reasons well in advance to the Director, ICGEB for approval without any prejudice to price escalation. No time extension request shall be considered after the expiry of completion period of contract. The decision of the Director will be final and binding on the bidder/contractor.

2. Kindly note that payment shall be made as per the actual quantities executed and not on the basis of materials supplied. The final payment will only be made on the basis of the actual work quantities executed and for this a joint measurement by ICGEB and the contractor will have to be taken. The responsibility and the facilitation for taking the measurements will rest with the contractor.
3. The Work shall be done as per schedule of items, specification terms and conditions and instruction of Engineer-in-charge on as and when required basis.
4. The rates shall be inclusive of cartage/ loading unloading or any other expenses. GST should be clearly shown separately. Rate must be valid and firm for a period of one year from the date of award of contract/Letter.
5. Inferior and Poor quality material shall not be accepted and contractor will redo such works
6. The contractor will have to undertake COMPLETE responsibility of accidents etc. for his persons working on site. ICGEB shall not be held liable for any injuries or damages. Also, any damage to any ICGEB property due to the actions of the contractor or its employees shall be compensated by the contractor".
7. The Contractor shall clean the site after completion of work before submission of final bill. Any dismantled material shall be stacked in designated place as instructed by the Engineer-in-charge.
8. 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.
9. Measurement shall be taken jointly by the Engineer-in-Charge or his authorized representative and by the contractor or his authorized representative.

- 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 specification at his own cost.
- 12.** Quantities are indicative and likely to vary. Bidder will have no objection for variation in quantities thereon. Payment will be as per actual work executed. 10%±deviation in quantities would be permitted.
- 13.** In case the bidder withdraws his offer within the validity of tender or contractor fails to work as per contract terms & conditions specifications after issue of the award letter, the earnest money will be forfeited. Other suitable administrative punitive action may also be imposed as deemed fit.
- 14.** Contractor should depute a qualified supervisor dedicated for this site, who will co-ordinate work and interact with the ICGEB representative responsible for supervision of work. Without a Supervisor, work will not be allowed. All the persons deployed at ICGEB site should carry valid gate-passes. Any negligence/offence on their part will attract immediate removal from site.
- 15.** The contractor will provide 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.
- 16.** 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.
- 17.** 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.
- 18.** 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 marked to ICGEB.
- 19.** ICGEB will provide free water and electricity during Construction of Insectary room. The contractor has to make his own arrangements for distribution of power and water from that point as per his requirements.
- 20.** Termination of Contract: The Director, ICGEB reserves the right to terminate the contract on account of poor workmanship, failure to mobilise the site within 30 days, 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 for failure of EMD.

(7)

Technical Specifications

Technical Specifications of for each item of work will be in accordance with relevant IS codes and CPWD specifications unless noted otherwise.

(8)

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)		
7	PAN No. (with documentary evidence)		
8	One similar work of value not less than Rs. 8,00,000/-.	1. Work order No. Date: Rs.	
9	Two similar works, each of value not less than Rs. 5,00,000 each.	1. Work order No. Date: Rs. 2. Work order No. Date: Rs.	

10	Three Similar works each of value not less than Rs. 4,00,000 each.	1. Work order No. Date: Rs. 2. Work order No. Date: Rs. 3. Work order No. Date: Rs.	
11	Completion certificate, if fully executed.		
12	Signed and stamped Tender document		
13	Tender Fee		
14	Earnest Money Deposit		
15	Undertaking for not black listed		
16	Site visit acceptance certificate (signed and stamped)		

Authorised Signatory
Name & Address of the firm with seal

UNDERTAKING/DECLARATION FOR NOT BEING BLACK LISTED

Date.....

To,
The Administrative Officer
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

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

Site Visit Certificate/ Undertaking

This is to certify that we have visited the site for work of **Construction of Insectary room on** 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

(9)

PRICE BID


PRICE BID (Schedule of Rate)


Name of Work: Construction of Insectary room.

S. No.	Description of work	QTY	UNIT	RATE	AMOUNT
A	CIVIL WORK				
1	Demolishing brick work manually / by mechanical means including stacking of serviceable materials and disposal of unserviceable materials within 50 metre In cement mortar.	2	CUM		
2	EARTH WORK/ SITE CLEARENCE - Clearing grass and removal of rubbish up to a distance of 30 m outside the periphery of the area as per technical specification .	180	SQM		
3	SUBBASE COURSE - - Granular Sub-Base with Coarse Graded Material (Construction of granular sub-base by providing coarse graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete for grading- Material. (6" Thickness)	30	CUM		
4	Dry Lean Cement Concrete Sub- base (Construction of dry lean cement concrete Sub- base over a prepared subgrade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8- 10 tonnes vibratory roller, finishing and curing.) (Thickness -4")	17	CUM		
5	CEMENT CONCRETE PAVEMENT - (Construction of unreinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383,	22	CUM		

6	R.C.C - connecting existing slab Providing and laying in position specified grade of reinforced cement Concrete work in plinth beam, tie beam, footing, columns excluding the cost of cantering shuttering. All work up to plinth level. (a) 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm. Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, beam pillars, piers, abutments, posts and struts etc. excluding the cost of cantering shuttering. Thickness – 4”	2	CUM		
7	REINFORCEMENT- connecting steel in existing slab of RCC work including bending, binding and placing in position complete. Tar/ TMT steel complete DIA - 8mm	200	KG		
8	FORM WORK -Cantering and shuttering including strutting propping etc. and removal of form work of: (b) Foundation, footings base of columns etc. for mass concrete. (b) Lintel ,Beam ,Plinth beam ,columns, arches.	3.5	SQM		
9	BRICK WORK- Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level from Cement mortar 1:4 (1 cement: 4 coarse sand) 9” brick work for column	4	CUM		
9.1	BRICK WORK 18” FOR FOUNDATION	2	CUM		
10	OUTSIDE ROUGH CAST PLASTER- external plaster Providing and applying 15mm thick internal plaster in one coat in cement mortar 1:3 with at all heights and locations for masonry (except stone masonry) and concrete surfaces/ brick masonry.	20	SQM		
11	OBD in Room- Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade: New work / old work (two or more coats) over and including priming coat (two coats) with cement primer. MAKE – BURGER , ASIAN	40	SQM		

12	<p>OUTSIDE WALL PAINT –Providing and applying Same as previous two or more coats of Textured Paint/ Surface Coating of approved make and shade over walls etc. after preparing the surface with a coat of primer and 6 mm thick plaster of Paris punning to give a smooth and even surface etc. complete.</p>	50	SQM		
13	<p>FLOOR TILES-Providing and fixing anti -skid Ceramic tiles with skirting of approved quality, shape and thickness not less than 8mm on floor, skirting over a cement mortar bed of 15 mm thick in prop 1:3 (1 cement: Coarse Sand) approved make fix with Fix-A-Tile (Choksy / Sika / Pedelite / Roof) including pointing in white cement mixed with pigment of matching shade complete. Tiles Size- 600 x 600 mm MAKE- KAJARIA, SOMANY</p>	12	SQM		
14	<p>Water Proofing on Roof - Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc. consisting of following operations. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with proprietary water proofing compound conforming to IS. .2645 over the RCC slab including cleaning the surface before treatment. (b) Laying cement concrete using broken bricks/brick bats 25 mm to 100 mm size with 50% of cement mortar 1:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound conforming to IS: 2645 over 20 mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound conforming to IS: 2645 to required slope and treating similar the adjoining walls up to 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS: 2645. (d) Finishing the surface with 20 mm thick joint less cement mortar of mix 1:4 (1 cement: 4 coarse sand) admixed with proprietary water proofing compound conforming to IS: 2645 and finally finishing the surface with trowel with neat cement slurry and making of 300x300 mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order MAKE – SIKA, , DR.FIXIT</p>	25	SQM		

15	<p>M.S Benches With Granite Top - Supply Providing and fixing working benches of M.S structure with cabinet with fully finished with painting and size – (8ftx2.6 ft) with Black Granite top same size as table With provision for S.S Sink complete. Image provided below-</p> 	1	NO		
Sub Total (A)					
B	FABRICATION WORK				
1	<p>Aluminium Doors/Window- Frames and Shutters Providing and fixing aluminium work doors, window ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top. bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snab beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately) a) for fixed portion:10 Guage. Powder coated aluminium (minimum thickness of powder coating 50 micron DOOR - (3ftx 6.5 ft)- 1 NOS WINDOWS - (4ft x 3ft)- 2 NOS MAKE - TATA , JINDAL</p>	3	NOS		

<p>2</p>	<p>Clean room facility DOOR - Providing and fixing fire resistant door frame of section 50 x 60mm on horizontal side & 35 x 60 mm on vertical sides having built in rebate made out of 1.6 mm thick GI sheet (Zinc coating not less than 120gm/m²) suitable for mounting 120 min Glazed Door Shutters. The frame shall be filled with Mineral Wool Insulation having density min 96Kg/m³. The frame will have a provision of G.I. Anchor fasteners (5 each on vertical style & 4 on horizontal style of size M10 x 80) suitable for fixing in the opening along with Factory made Template for SS Ball Bearing Hinges of Size 100x89x3mm for fixing of fire rated glazed shutter. The frame shall be finished with a approved fire resistant primer or Powder coating of not less than 30 micron in desired shade. (Cost of SS ball bearing hinges is included). ISI MARKED SIZE – (3ftX6.7 ft).</p>	<p>1</p>	<p>NO</p>		
<p>3</p>	<p>M.S. SLOTTED ANGLE STORAGE- Providing and making M.S. slotted angle storage using angles of 18-gauge thickness and shelves of 20 gauge designed as per the specifications of standard manufacturers. Shelves shall be provided at 12” c/c (6 no’s shelves) & supported on frames on all four sides with vertical supports as per manufacturers' standard specifications completed with all necessary fitting and painting. size of storage - (14’ x 6’) with self-according to size. Image provided below - Shelves shall be provided at 12” c/c (6 no’s shelves) .</p>  <p>MAKE – TATA , JINDAL</p>	<p>1</p>	<p>NO</p>		

4	<p>S.S Sink- Providing and fixing Stainless Steel sink bowl with CPVC pipe connection for water from new building (approximate length 20 mtr 20 mm size) (overall size - 25x18x9 inches and thickness- 1.2 mm) approx. (or as per site requirement/directed) of (Square designer satin finish) in the kitchen platform as under counter type in the granite slab and marble slab neatly according to the size of sink, complete as directed. The item includes waste coupling, Stainer, drain drop connection to the floor trap, waste pipe, drain pipe connected to near manhole, pipe size 4 inch PVC, length 15 mtr including cost of all material, labour charges, curing etc. complete as directed.</p> <p>ISI MARKED</p>	1	NO		
5	<p>Swan neck mixer- Providing and fixing of swan neck mixer and tap for steel including cost of all material, labour charges etc.</p> <p>MAKE – CERA , JAQUAR</p>	1	NO		
	Sub Total (B)				
C	ELECTRICAL ITEMS				
1	<p>GYSER – GEYSER – Supply installation testing and commissioning of 10 LTR storage water geyser with connection pipes and fittings as required.</p> <p>Make – (V-GUARD-VICTO 5 star , Havells – INSTANIO 10LTR GHWAICTWGO10)</p>	1	NO		
2	<p>Supply, installation, testing and commissioning of 1.5 TR Split Ac, Five star, Inverter, copper including copper pipe with insulation (approximate 05 mtr) main supply cable , control wiring, drain piping, outdoor stand etc as required.</p> <p>(Make: OGENERAL, DAIKIN)</p>	02	NOS		
3	<p>Supply, installation, testing and commissioning of 12 inches’ ventilation fan with shutter plastic body, including exhaust fan wiring (multi strand wire 1.5 sq mm), PVC conduit ON/OFF switches as required</p> <p>Make :Finolex, Havells.</p>	01	NO		
4	<p>Supply, installation, testing and commissioning of led batten 20 W, wiring (multi strand wire 1.5 sq mm), ON/OFF switches, pvc conduit as required</p> <p>Make :Finolex, Havells.</p>	04	NOS		
5	<p>Supply, installation, testing and commissioning of light cont (analog timer L&T 67 DDTO 110-240 V Timer)</p>	01	NO		

6	Supply, installation, testing and commissioning of Humidity controller (Honeywell) Wiring complete as required.	01	NO		
7	Supply, installation, testing and commissioning of Desert cooler (Havells CELIA, 55 ltr)	01	NO		
8	Supply installation, testing and commissioning of 25 x 4 Sq mm XLPE PVC insulated Aluminium conductor armoured cable 650/1100 volts complete with cable tray clamps, saddles, thimble, cable gland, etc including effective proper connection all necessary termination and digging etc to the work as required. Make :Finolex, Havells	30	MTR		
9	Supply, installation testing and commissioning of Double Door Three phase four-way power distribution board and following MCB a) TPN 63 A - 01 no b) DP MCB 63 A - 03 nos c) SP MCB 20 A - 06 nos d) DP MCB 32 A - 01 no including Neutral link, earth link, internal wirings as required Make : Havells, Legrand.	01	NO		
10	Providing and Fixing of Aluminium tubular sections in a wall, appropriate sections size 4 x 2.5 inch for fixing electrical power points, including hole cutting as required Make; JINDAL , TATA	10	MTR		
11	Supply, installation, testing and commissioning of 16 A switch with socket (modular type power points), wiring fixing complete as required.(wiring for power points to PDB four circuits, used 4 sq mm for neutral/phase and 1.5 SQ mm for earth) Make :Finolex, Havells	12	NOS		
12	Supply and Installation of Dawn & Dusk Simulator Sunlight Mimicking System for Insectaries.	01	NOS.		
	Sub Total (C)				
	TOTAL (A+B+C)				
	GST				
	GRAND TOTAL				

Approved make:

Split Ac – OGENERAL AND DAIKIN
G.I - JINDAL, TATA

Note: -

1. Abnormally low and high bid will not be entertained.
2. GST should be mentioned separately.
3. Before quoting the rates, the Contractors should inspect the works at campus of ICGEB.
4. Fill the price bid in Excel format.

Authorised Signatory
Name & Address of the firm with seal