**RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY**

**Poojappura,Thiruvananthapuram**

**TENDER NOTICE**

No. RGCB/BIC/INST-ELE/TENDER-AC/2024-25/01

Sealed Tenders (Technical and Financial bids) are invited from eligible bidders for the supply, Installation, testing and commissioning of Air Conditioning system (VRV/VRF System) for Rajiv Gandhi Centre for Biotechnology, Akkulam campus, Trivandrum. The detailed Tender documents are available in the website [www.rgcb.res.in](http://www.rgcb.res.in). The last date for submitting the tender is 03rd May 2024.

                                                                                                                                                                      Chief Controller

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1. Estimated cost of work : Rs.29,88,515.00

2. Earnest money to be deposited : Rs.59,770/- as Demand Draft from Any

Nationalised / Scheduled Bank

3. Period of completion : 45 days

4. Cost of tender form : Rs.500.00 + GST @18%

5. Time & Date of issue of Tender form : From 11 AM on 12th of April, 2024 Till 12.00 Noon  
 on 30th April 2024

6. Time & Last Date of submission of tender: 3 PM on 03rd of May 2024.

7.Time&Date of opening of Tender : 3.00 Pm on 06th May, 2024.

8.Defects liability period : 12 Months  
  
9.The Contractor, whose tender is accepted, will be required to furnish by way of initial security deposit for the due fulfilment of his contract, such sum as will amount to 2.5% of the estimated cost of work.

**TERMS AND CONDITIONS OF TENDER**

 01. The tenderer should submit all required documents asked for in the Technical Bid format, failing which the tender will be rejected.

02. The tenderer should have minimum ten years of experience in the installation of Air Conditioning works in the reputed organisations and should have an average turnover of Rs 50 lakh per finance year during the last three financial years. A Certificate issued by a Chartered Accountant should be submitted stating that the tenderer has ten years’ experience in Air Conditioning installation works and have average turnover of Rs.50 lakh per financial year during the last three financial years.

 03. The rates quoted should be indicated in figures as well as in words and there should not be any overwriting as far as possible. Overwriting, if any, should be initialled and put on the office seal.

 04. The contractor shall be required to give the insulation test certificate applicable type test and routine test conducted by the manufacturer.

05. Those who download the tender form from website shall endorse a DD for 590/- (Five Hundred Ninety) drawn in favour of RGCB payable at TVM, being the certificate of tender form along with tender bid.

06. Each and every page of the tender offer should be signed with an office seal by the Tenderer and be submitted with the technical bid as a token of acceptance of terms and conditions of the tender. Technical Bid and Financial Bid should be put in separate sealed covers and both the covers should be put in a big cover, superscribing “Tender for the supply, Installation, testing and commissioning of Air Conditioning system (VRV System)”. Corrections, if any, should be made legibly and duly signed with seal.

07. The rates quoted (In Indian Rupees) for each item should be inclusive of all expenses including transportation, cost of material and labour charges. GST will be paid as applicable at the time of check/ billing/supply

08. The Chief Controller, RGCB, reserves the right to accept or reject any or all the offers in full or part or to waive off any formality, minor deviations and omissions without assigning any reason(s) or to cancel the tender in whole. The Institute reserves the right to reject conditional tenders and also relax any tender condition at its discretion.

09. Only those who fully qualify the requirements should submit the tender and submission of tender shall be treated as the acceptance of the terms and conditions of the tender and any counter terms shall not be accepted. Similarly, conditional tenders will be invalid.

10. The tenderer shall not be permitted to withdraw his offer or modify the terms and conditions thereof.

 11. The Institute is not in any way bound to accept the lowest or any quotation and reserves the right to accept any quotation in whole or any part of the quotation or portion of the quantity offered and reserves the right if required to negotiate with any or all the Tenderers without assigning any reason(s), whatsoever.

  12. Only technical bids will be opened on the date specified in the Tender Notice. Financial Bids of only those tenderers who qualify in the technical bid will be opened on a subsequent date with due intimation to the Tenderers.

 13. The selected tenderer should execute an agreement on Non-Judicial stamp paper worth of Rs.100/- as per the enclosed format and this should be done within 15 days from the date of issuing work order. If not submitted, the work order will stand automatically cancelled.

14. Copies of registration of the firm, GSTN, PAN should be attached with the tender.

15. The Chief Controller reserves the right to accept or reject any tender and can cancel the entire tendering process without assigning any reason thereof.

16. The contractor shall furnish all labour, materials, equipment, tools appurtenances, services and work to provide and complete the installation, testing and commissioning of Air Conditioning system (VRV/VRF) in perfect working order to the satisfaction of the Owner.

17. The tenderer shall not be entitled to any compensation for any loss suffered by him on account of delays in commencing or executing the work, whatever the cause of delays may be, including delays arising out of modifications to the work entrusted to him or in any sub‐contract connected therewith or delays in awarding contracts for other trades of the project or in commencement or completion of such works or in procuring government controlled materials for construction purposes or for any other reason whatsoever and the RGCB shall not be liable for any claim in respect thereof.    The RGCB does not accept liability for any sum besides the tender amount, subject to such variations as are provided for herein.

18. The tenderer must bear in mind that all the work shall be carried out strictly in accordance with the Specifications made by the RGCB

19. The successful tenderer for work should make his own arrangements to obtain all materials required for the work.

20. The tenderer shall pay and bear the cost of loading and unloading and transporting the same to the site as well as storage and all other charges and expenses whatsoever required for the completion of the items of work.

21. The tenderer shall have to use materials of the makes/manufacturers specified in the list of materials of approved brand and/or manufacture contained in this tender form.  The tenderer shall strictly comply with the safety code.

22. The tenderer shall be deemed to have carefully examined the work and site conditions including labour, the general and special conditions, the specifications, schedule and drawings and shall be deemed to have visited the site of work to have fully informed himself regarding the local conditions and carried out his own investigation to arrive at the rates quoted in the tender. If the Contractor shall have any doubts as to the meaning of any portion of the general conditions, or the special conditions or the scope of the work or the specifications and drawings or any other matter concerning the contract he shall in good time, before submitting his tender, put forth, the particulars thereof and submit them to the owner, in writing in order that such doubts may be clarified authoritatively in writing before tendering.    Once a tender is submitted the matter will be decided according to tender conditions in the absence of such authentic pre‐clarification.

23. Timely completion of the work is the essence of this contract and the time of the completion must be strictly adhered to us specified.

**Terms of Payment**

1. 75 % of the value of work on delivery of full material at Site and after inspection by RGCB.
2. Balance 25% (total 100%) on testing, commissioning and handing over the Air Conditioning system to RGCB.

3) The Contractor alone is responsible for the safety of his labourers and damages, if any payable under workmen’s Compensation Act will be to his debit. He shall abide by the conditions in all the relevant labour laws. All safety measures are to be ensured by the Contractor; the RGCB shall not be responsible for any mis‐happenings in the site due to the negligence or otherwise of the Contractor’s workers.

1. Defects, if any noticed within 12 months from the date of virtual completion of the work will be rectified by the contractor in default of which this will be attended by the Owner and the cost made good from the Contractor

**Extension of time of completion of work and fine:**

1. If the contractor fails to maintain the required progress in terms of tender or to complete the work on or before the contract or extended date of completion, he shall, Without prejudice to any other right to remedy, available under the law of the Government on account of such breach, pay, as agreed compensation, the amount calculated at the rates stipulated below that the progress remains below that specified in tender or that the work remains incomplete. Compensation:  @ 1.5% per month of delay to be computed on per day basis for the value of the work remaining to be done. Provided always that the total amount of compensation for delay to be paid shall not exceed 10% of the tendered value of work remaining to be done. The amount of compensation shall be adjusted against any sum payable to the contractor.

2. The time allowed for the works as specified or the extended time granted in accordance with these conditions shall be the essence of the contract.    The execution of works shall commence from such time period specified in the selection notice.  If the contractor fails to commence the work in the stipulated time, the RGCB will be at liberty to forfeit the earnest money deposit and performance guarantee absolutely.

 3. The Contractor has to engage and nominate appropriate staff(engineers and supervisors) during the installation and up to completion.

**COMMUNICATIONS FOR CONDUCT OF CONTRACT WORK**

The following procedure for communication between Owner and Contractor will be in force:

1. For day‐to‐day operations on technical aspects, arrangement of works, measurements, instructions in the field, periodical reports etc

Electrical Supervisor

(2) For more important aspects of the Contract such as rescheduling of works, defaults/ delays, negligence etc of Contractor, submission of contract certificates, requests for extra items, finalization of rates therefore etc

DGM (Instrumentation)

(3) On Major issues involving financial aspects, payment of bills, disputes etc.

   Finance Officer

**DECLARATION BY TENDERER**

I . . . .. . . .. . . . . . . . . ... . . . .. . . . . . . ... .. . .. . . . .. . . . .. . . . . ..... .. . . . . .. . . ..... .. .. hereby declare that I am not related to an Employee of the owner who is in charge of or having control of this work. I agree that if at any stage it is provided that this declaration is untrue, the Earnest Money/Security Deposit paid by me will be forfeited and the Contract entered will stand cancelled. It is understood that the relationship with the owner Employee referred to herein will be restricted to my Father, Mother, Son, Daughter, and Brother, Sister, Direct Uncle, Nephew, Father‐in‐law, Mother‐in‐law, Brother‐in‐law, Sister‐in‐law and first Cousin of the Employee concerned.

SIGNATURE OF THE TENDERER

Place:

 Date:

**Scope of Contract**

The Contractor shall carry out and complete the said work in every respect in accordance with this contract and with the directions of and to the satisfaction of the DGM(INSTRUMENTATION).

**TESTING & COMMISSIONING**:

Supply, Installation, testing and commissioning of Air Conditioning system (VRV/VRF) under the supervision of the local authority and in the presence of Electrical Engineer and DGM (Instrumentation) shall be carried out before the distribution Air Conditioning system is handed over.

**SPECIAL CONDITIONS FOR THIS CONTRACT**

1. All materials and services shall satisfy ISI specifications; samples of these must be furnished and approved by the DGM (Instrumentation).

2. The Bidder should have an authorized service and maintenance facility at Thiruvananthapuram.

3. Cutting openings chases etc. in floors, walls and ceilings for installation and making good, after completion of the work.

                                                                                 (Name, signature and seal of Tenderer)

**RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY**

**COMMERCIAL BID**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.No** | **ITEM DESCRIPTION** | **UNIT** | **Qty** | **RATE** | **AMOUNT** |
| **Part-A** | | | | | |
| 1 | 1.0 TR Hiwall AC with wired remote | Nos | 2 |  |  |
| 2 | 2.1 TR Hiwall AC with wired remote | Nos | 1 |  |  |
| 3 | 1.6 TR Fourway cassette AC with panel & wired remote | Nos | 1 |  |  |
| 4 | 2.1 TR Fourway cassette with panel & wired remote | Nos | 7 |  |  |
| 5 | 3 TR Fourway cassette with panel & wired remote | Nos | 1 |  |  |
| 6 | 36 HP ODU (12+12+12) | Nos | 1 |  |  |
| 7 | Refnet | Nos | 11 |  |  |
| 8 | Branch Kit | Nos | 2 |  |  |
| 9 | Centralized Remote Control. | Nos | 1 |  |  |
| **Total amount Part A** | | | |  |  |
| **Part A Total with GST 28%** | | | |  |  |
| **Part B** | | | | | |
| 10 | 36 HP ODU (12+12+12) | Nos | 1 |  |  |
| 11 | Refrigeration Gas (R410) as additional Required | Kg | 25 |  |  |
| 12 | 1.0 TR Hiwall AC | Nos | 2 |  |  |
| 13 | 2.1 TR Hiwall AC | Nos | 1 |  |  |
| 14 | 1.6 TR Fourway cassette AC with panel | Nos | 1 |  |  |
| 15 | 2.1 TR Fourway cassette with panel | Nos | 7 |  |  |
| 16 | 3 TR Fourway cassette with panel | Nos | 1 |  |  |
| 17 | Installation of wired Remote | Nos | 12 |  |  |
| 18 | Installation, Testing and Commissioning of Branch distribution referent joints, Y-shape branching joints, branch headers/ Tshape branching joints etc. for VRV/VRF units as required. | Nos | 11 |  |  |
| 19 | Installation, Testing and Commissioning of Branch Kit | Nos | 2 |  |  |
| 20 | Control Valve System for stand- by | Lot | 1 |  |  |
| 21 | 6.4 mm with 13mm / 19mm Thick Insulation | Rmt | 33 |  |  |
| 22 | 9.5 mm with 13mm / 19mm Thick Insulation | Rmt | 75 |  |  |
| 23 | 12.7 mm with 13mm / 19mm Thick Insulation | Rmt | 40 |  |  |
| 24 | 15.9 mm with 13mm / 19mm Thick Insulation | Rmt | 70 |  |  |
| 25 | 19.10 mm with 13mm / 19mm Thick Insulation | Rmt | 10 |  |  |
| 26 | 22.2 mm with 13mm / 19mm Thick Insulation | Rmt | 8 |  |  |
| 27 | 25.40 mm with 13mm / 19mm Thick Insulation | Rmt |  |  |  |
| 28 | 28.60 mm with 13mm / 19mm Thick Insulation | Rmt | 10 |  |  |
| 29 | 31.80 mm with 13mm / 19mm Thick Insulation | Rmt |  |  |  |
| 30 | 34.90 mm with 13mm / 19mm Thick Insulation | Rmt | 3 |  |  |
| 31 | 38.10 mm with 13mm / 19mm Thick Insulation | Rmt |  |  |  |
| 32 | 41.30 mm with 13mm / 19mm Thick Insulation | Rmt | 5 |  |  |
| 33 | 44.30 mm with 13mm / 19mm Thick Insulation | Rmt |  |  |  |
| 34 | Ladder type tray support for exposed copper pipes outside the building, all copper pipes shall be neatly clamped and fixed properly with supports, hangers, railing, brackets etc. and tray shall be coated with two coat of epoxy primer and two coat of epoxy paint of black color. | Rmt | 0 |  |  |
| 35 | Supply, installation, testing and commissioning of Protective layer for copper piping with woven fiber glass cloth wrapped around copper piping tubular insulation and finished with PVAC based high strength glue with anti-fungal property of approved colors. | Rmt | 0 |  |  |
| 36 | 25mm | Rmt |  |  |  |
| 37 | 32mm | Rmt | 70 |  |  |
| 38 | 40mm | Rmt |  |  |  |
| 39 | Supply & Installation of Communication cable between indoor and outdoor units with shielded cable with PVC conduit and accessories as required. | Rmt | 135 |  |  |
| 40 | Ceiling Suspended Ductable Toilet Exhaust fan - 100 cfm | Nos | 5 |  |  |
| 41 | Ceiling Suspended Ductable Toilet Exhaust fan - 150 cfm | Nos | 4 |  |  |
| 42 | Ceiling Suspended Ductable Toilet Exhaust fan - 200 cfm | Nos | 2 |  |  |
| 43 | Ceiling Suspended Ductable Toilet Exhaust fan - 500 cfm | Nos | 1 |  |  |
| 44 | 24G | Sqm | 35 |  |  |
| 45 | Round Exhaust grille | Nos | 21 |  |  |
| 46 | Supply and installation of powder coated Aluminium SA / RA Diffuser / Grilles for Exhaust | sqm | 0.5 |  |  |
| 47 | Supply and installation of powder coated Aluminium Louvers with Bird Screen. | Nos | 12 |  |  |
| **Total Amount Part B** | | | |  |  |
|  | **Part B Total with GST 18%** |  |  |  |  |
| **Total Amount with GST(Part A+ Part B)** | |  |  |  |  |

**RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY**

**TECHNICAL BID**

The firm is requested to follow the check list at the time of submission of Tender document without which the offer is liable to be cancelled.

|  |  |  |
| --- | --- | --- |
| **Sl No** | **Check list** | **Submitted (Yes/ No)** |
| 01 | Name of Firm |  |
| 02 | Address and E-mail |  |
| 03 | Experience in installation of Air conditioning system (VRV/VRF) |  |
| 04 | Contact Person |  |
| 05 | Phone Number |  |
| 06 | Certificate issued by a Chartered Accountant should be submitted stating that the tenderer has 5 years’ experience in installation of Air Conditioning system (VRV/VRF), organisations and have average turnover of Rs.50 lakh per financial year during the last three years. |  |
| 07 | Copies Of registration of the firm |  |
| 08 | GSTN and PAN No. |  |

Signature with seal

 (On 100 rupees non-judicial stamp paper – to be submitted on award of work order)

 A G R E E M E N T This agreement is entered into this \_\_\_\_\_\_\_\_\_\_\_\_\_ day of\_\_\_\_\_\_\_\_\_ 2024 between Rajiv Gandhi Centre for Biotechnology,Poojappura,Trivandrum (being represented by its Controller  which expression shall include his successors in office), the first party of the Agreement, and M/s\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (being represented by its proprietor which expression shall include its successors or assignees), the second party on the other part of the Agreement. WHEREAS, the Tender of Rajiv Gandhi Centre for Biotechnology, Poojappura, Trivandrum, vide Purchase Order No…………. dated……………. placed to M/s,………………… for supply of ………………………. details given in the Purchase Order (Annexure-I which shall form the part of this agreement). WHEREAS the party on the first part has accepted the Purchase Order of the party for the supply of item(s) as per the details given in the Annexure-I and the said party has agreed to supply the items on the terms and conditions explained hereafter and also as per the Order No…………………………………… dated………………… THIS AGREEMENT THUS WITNESSES AS FOLLOWS

01. That the party on the second part will supply the item(s) on the rates mentioned in the Annexure-1 for the period from …………… to…………

 02. That the ordered items will be supplied as per the Purchase/Work Order.

03. That the items will be supplied strictly according to the Brand/specifications/samples approved by the competent authority of the RGCB.

04. That in case of inferior quality or delay in supply, the penalty of 1. 5% of the total cost of the ordered items will be imposed or complete rejection of the items will effect.

05. The party on the first part has the right to increase/decrease the quantity of items to be ordered.

06. The party on the first has the full right to cancel the order at any time without assigning any reason and in case of any loss caused to the first party from the party on the second part, the party on the first part has the full right to recover the amount from pending/future bill of the party on the second part.

07. That, the party of the second part agreed that they will not make any request for enhancement in the approved rates as per the terms and conditions of the work order.

08. That the party on the second part shall be liable and answerable to the party on the first part in respect of all causes of damages, claims, charges, etc. of any, arising out of carelessness, breach of the agreement.

09. In case of dispute arising between the parties in respect of interpretation, construction of this agreement, the same shall be referred to the Chief Controller RGCB for adjudication thereof and whose decision shall be final and binding upon both the parties.

 IN WITNESSES WHEREOF, both the parties of this Agreement, sign and execute this agreement on the date as aforesaid at Trivandrum.

(Chief Controller)

Second party:

Name: M/s