

**CSIR- INDIAN INSTITUTE OF CHEMICAL
BIOLOGY, KOLKATA - 700 032**

TENDER

FOR

**Comprehensive Annual Maintenance Contract for 217 nos. of
Voltas Make Split A. C. Units at CSIR-IICB, Jadavpur & Salt Lake
Campus, Kolkata.**

JUNE 2017



TENDER NO. ADMN. 26(204)/2017

ENGINEERING SERVICE UNIT

Signature of Tenderer with Seal

CSIR – INDIAN INSTITUTE OF CHEMICAL BIOLOGY

4, RAJA S. C. MULLICK ROAD, JADAVPUR, KOLKATA – 700032.

Name of Work : Comprehensive Annual Maintenance Contract for 217 nos. of Voltas make Split AC units at CSIR-IICB, Jadavpur & Salt Lake Campus, Kolkata.

Tender No. : Admn.26(204)/2017

Date : **28.07.2017**

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*** Top of the Tender page at Web-site

NOTE:

Tenderer should confirm that they have received all the above papers. All the documents issued are to be submitted duly signed by the tenderer while submitting his offer.

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4, RAJA S. C. MULLICK ROAD, JADAVPUR, KOLKATA – 700032.

SHORT TENDER NOTICE

Tender No. : **Admn.26(204) / 2017**

Date: **28.07. 2017**

Tender are being invited in two envelope system from listed contractors for 'Comprehensive Annual Maintenance Contract for 217 Nos. A. C.s (CSIR-IICB, Jadavpur campus approx 207 nos and CSIR-IICB, Salt Lake campus approx 10 nos.) at CSIR-IICB, Jadavpur & Salt lake Campus, Kolkata.

1. Name of work : Comprehensive Annual Maintenance Contract for 217 nos. of Voltas make Split AC units at CSIR-IICB Jadavpur & Salt Lake Campus, Kolkata.
2. Tender No. **Admn. 26(204) / 2016**
3. Estimated Cost : Rs.7,34,600 (Rupees Seven Lakh Thirty Four Thousand Six Hundred Only)
4. Contract Period : 12 (Twelve Months).
5. Cost of Tender : Rs.500.00 (Rupees Five Hundred Only)
6. EMD : Rs.14,700.00 (Rupees Fourteen Thousand Seven Hundred Only)
7. Availability of tender at web-site : Up to **13/08/2017** up to 5-30 P.M
8. Last date & time of submission : **14/08/2017** up to 3.00 P.M
9. Date & Time of opening of : **14/08/2017** at 3.30 P.M
technical bids

Executive Engineer & Lab. Supervisor
Lab. Supervision & A.C. Section

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Tender No. Admn.26(204)/2017

Date: **28.07.2017**

NOTICE INVITING TENDER

Sealed tenders in two envelope systems (Envelope-I for Technical Bids with two draft, one as EMD and other for cost of tender and Envelope-II for price Bid) are invited from following works from experienced, reputed and capable **Original Equipment Manufacturers (OEM) or their authorized service provider/ authorized dealers** at CSIR-IICB, Jadavpur & Salt Lake Campus and who fulfil the others eligibility of criteria. The eligible contractors who have worked for CPWD, Railways, Post & Telegraph Dept, MES, State PWDs, others government departments or semi government Organizations or CSIR or its laboratories / Institutes and have successfully carried out similar works or provided services towards maintenance and upkeep of Voltas make Air Conditioners in any Research Institute, Higher Academic institute , Hospital, medical Institute or office Building.

Eligibility of Criteria:

The eligible contractors may submit their bid along with supporting documents of fulfilling the above conditions

- 1) **Contractor should have valid authorization letter from OEM vendor in case of authorized vendors or service provider**
- 2) **Experience: Should have satisfactorily completed Maintenance and upkeep of Air Conditioner and associated systems works of value(s) as under. Joint ventures are not accepted.**

Three completed works each costing Rs. 2.94 Lakh or above

or

Two completed works each costing Rs. 4.41 Lakh or above

or

One completed work costing Rs.5.88 Lakh or above.

- 3) **Statutory Requirements:** Should have EPF, ESI, Trade License, Service Tax, Professional Tax Enrolment Certificate with current Professional Tax payment challan, Sales Tax/VAT Registration Certificate with last quarter return upto **March 2017**, PAN/TAN number with the appropriate Authorities.

The tenderers are required to produce proof of fulfilling these conditions with covering letter of the firm in a sealed envelope along with the tender to determine Eligibility for the work.

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1. Estimated cost is Rs.7,34,600.00 (Rupees Seven Lakh Thirty Four Thousand Six Hundred only). This estimated cost however is given merely as a rough guide only.

2. Time for carrying out the work will be as per schedule and the date of commencement shall be reckoned from the tenth day of issue of award letter.

3. Complete contract documents to be complied with by the tenderer whose tender may be accepted can be seen at the CSIR-IICB website www.iicb.res.in.

4. Tenders should be on the specified form (Non transferable) which is available at the CSIR-IICB website www.iicb.res.in/tender.html/ from **02/08/2017** to **13/08/2017** up to 5.30 P.M. Interested contracts may download and take a print of all documents for filling up and submission. The Cost of Tender amounting to Rs. 500.00 (Rupees Five Hundred only) (Non – refundable) as Demand Draft or Pay Order of a scheduled bank drawn in favour of Director, Indian Institute of Chemical Biology, Kolkata should accompany the tender. Tender received without cost of tender will be invalid and summarily rejected.

5. (I) Tenders should be submitted in double sealed covers superscribed with the name of work, date and time of opening written both on the inner & outer envelopes.

(II) Eligibility documents and Financial Offers should be given separately in **two** sealed envelopes each marked with “**ELIGIBILITY DOCUMENTS - Envelope-1**” and “**FINANCIAL OFFER - Envelope-2**” respectively in the following manner :

(a) **Envelope-1** marked as ‘**ELIGIBILITY DOCUMENTS**’ should contain two separate sub-envelopes to be marked as **Cover-A** and **Cover-B**:

Cover-A should contain the following:

(i) **Earnest Money Deposit** of **Rs. 14,700.00** (Rupees Fourteen Thousand Seven hundred only) as Demand Draft or Pay Order of a schedule bank and drawn in favour of Director, Indian Institute of Chemical Biology, Kolkata

Cover-B should contain the following :

i. Cost of Tender of **Rs.500.00** (Rupees five hundred only) (Non-refundable) as Demand Draft or Pay Order of a scheduled bank drawn in favour of Director, Indian Institute of Chemical Biology, Kolkata

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ii. Letter of Transmittal (Annexure-I)

iii. Technical Details (Eligibility Criteria) with specified supporting documents as per Notice Inviting Tender.

(b) Envelope-2 marked as 'FINANCIAL OFFER' should contain tender documents along with price bid.

(III) Both the envelopes shall be submitted together in another sealed envelope.

Please note carefully that Financial Offer should not be submitted in Envelope-1.

(IV) They will be received **up to 3.00 P.M on 14/08/2017** and will be opened at **3.30 P.M** on the same day at **Room no. 50**, Works & Service Section in the office of Head (ESU). Tender should be dropped in the tender box kept in **Room no. 50**, Works & Service Section in the office of Head (ESU) before the closing date and time indicated. In case these are sent by post, these should be sent by Regd.post/speed post addressed to the **Director, CSIR- Indian Institute of Chemical Biology, 4 Raja S.C.Mullick Road, Kolkata – 700 032** . Tenderers are to ensure that they post the tender well in advance so as to reach before the closing time and date indicated.

(V) The envelope marked as 'Eligibility Documents' shall be opened at the same day. The time and date of opening of Financial Offer of only the qualified tenderers shall be opened at the notified time, date and place in the presence of the tenderers preferably within a month.

(VI) Before submission of tender, the bidders should visit the site at CSIR-IICB, Jadavpur campus, Kolkata-700032 during office hours of any working days (Monday to Friday) and clear all their queries, if any, from the Engineer.

6. The Earnest Money amounting to Rs. 14,700.00 (Rupees Fourteen Thousand Seven hundred only) as Demand Draft or Pay Order of a schedule bank and drawn in favour of Director, Indian Institute of Chemical Biology, Kolkata should be accompanied with the tender. Tenders received without earnest money will be invalid and summarily rejected.

7. The Employer reserves the right to accept or to reject any tender, to annul the process and reject all tenders at any time without assigning any reason or incurring any liability to the tenderers. The Employer also reserves the right to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.

The Employer does not bind himself to accept the lowest or any tender and reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rates quoted.

The Employer also reserves the right, without being liable for any damages or obligation to inform the tenderer, to:

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- (a) Amend the scope and value of contract to the tenderer
- (a) Reject any or all the applications without assigning any reason.

8. Canvassing in connection with the tenders is prohibited and the tenders submitted by contractor who resort to canvassing are liable for rejection.

9. The tenderer shall not be permitted to tender for work in the concerned unit of CSIR in which a relative is posted in the grade between Controller of Administration and junior Engineer, (both inclusive). He shall also intimate the names of person who are working with him in any capacity of subsequently employed by him and who are relatives as mentioned above.

NOTE : a person shall be deemed to be a relative of another if, and only if, (a) they are members of Hindu undivided family or (b) they are husband and wife or (c) the one is related to the other in the following manner. Father, Mother (include Step mother), son (include step son), Sons wife. Daughter (include step daughter), Father, Son's son, Son's son wife, Son's daughter, son's Daughter's husband, Brother (include step brother), wife, Sister (include step sister). Sister's husband.

10. Tender submitted shall remain valid for 90 days from the date of opening for the purpose of acceptance and award of work, validity beyond 90 days from the date of opening shall be by mutual consent.

11. The tenderer shall quote rate both in figures and words. He shall also workout the amount for each item of work and write in both figure and words. On check if there are difference between the rates quoted by the tenderer in words and in figures or in the amount worked out by him, the following procedure shall be followed.

(i) When where is difference between the rates in figure and in words, the rates which correspond to the amounts worked out by the tenderer shall be taken as correct.

(ii) When the amount of an item is not worked out by the tenderer or it does not correspond with the rate written either in figures or in words, the rate quoted by the tenderer in words shall be taken as correct.

(iii) When the rate quoted by the tenderer if figure and in words tallies but the amount is not worked out correctly the rate quoted by the tenderer shall be taken as correct and not the amount.

12. The tenderer should see drawings, site conditions and consider scope of works & time of completion and in case of doubt, obtain required particulars, which may in any way influence his tender from the Engineer as no claim whatsoever will be entertained for any alleged ignorance thereof.

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13. Before tendering, the tenderer shall inspect the site to fully acquaint himself about the condition in regard to accessibility of site, nature and extent of ground, working condition of site and locality including stacking of materials, installation of tools and plant (T & P) etc., condition affecting accommodation and movement of labour etc. required for the satisfactory execution of the work contract. No claim whatsoever on such account shall be entertained by the Employer in any circumstance.

14. Earnest money will be forfeited if the contractor fails to commence the work as per letter of award.

15. Vender should quoted all inclusive price, i.e. including all applicable taxes.

16. Expect writing rates and amount the tenderer should not write any conditions or make any changes, additions, alterations and modifications in the printed form of tenderers. Tenderers who are desirous to offer rebate the same should be brought our separately in the covering latter and submitted along with the tender.

17. Some of the provisions of General Conditions of contract are given below. Interpretation however shall be as given in the General Conditions of Contract.

a) Defects Liability Period :- Twelve months from the date of completion as certified by the Employer.

b) Minimum Value of Work for the intermediate Certified :- Rs. NIL intermediate certificate for a lesser amount can be admitted for payment only at the discretion of the Engineer.

c) Security Deposit :- A sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with the sum already deposited as earnest money, will amount to security deposit 5% of the tenderer value of work. In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as performance Security within the period prescribed for commencement of work in the letter of ward issued to him.

d) Compensation :- Contractor shall pay as-compensation and amount equal to one percent or such smaller amount as the Employer (whose decision in the writing shall be final) may decide on the cost of whole work as shown in the agreement, for every week that the work remains uncommenced or unfurnished or due quantity of work remains incomplete after the proper dates. Compensation to be paid shall not exceed ten percent of the estimated cost of the work as shown in the agreement.

18. Schedule showing approximate quantity of materials to be supplied by the contractor for stock maintenance.

NOTE:- The Tenderer shall ensure that particulars in the above form are filled in by the engineer before he submits the tender.

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CSIR – INDIAN INSTITUTE OF CHEMICAL BIOLOGY
4, RAJA S. C. MULLICK ROAD, JADAVPUR, KOLKATA – 700032.

Tender No. Admn.26(204)/2017

Date: 28.07.2017

Scope of Work and Terms and Conditions

1.0 Work to be done:-

Comprehensive Annual Maintenance Contract (AMC) for Voltas make split type air-conditions (**Total approx. 217 nos. [CSIR-IICB, Jadavpur campus approx. 207 nos. and CSIR-IICB, Salt Lake campus approx. 10 nos.]**), as is where is basis to ensure their proper functioning.

Following works are included in the Comprehensive annual maintenance service contract of Voltas make split type all air-conditioners.

1.1 Description of the work:

The maintenance services will consists of

- a) The AMC will be **comprehensive** in nature.
- b) Routine maintenance work of all AC units(**Quarterly service / maintenance report should be submitted along with bill**)
- c) Corrective maintenance work by repairing and or replacement of defective or damaged parts, components and other accessories including compressors, capacitors relays and other necessary components etc.

2.0 Time scheduled and periodicity of work: For 6 months and extendable for another
6 Months subject to satisfactory performance

3.0 Scope of work :**3.1 Scope of Annual Maintenance Work (Comprehensive):**

1. Scope of annual routine maintenance services shall include providing routine maintenance services, attending complaints as and when required for split air conditioners. Service includes providing adequate man power especially during summer time (March to Sep., 6 months), tools etc.
2. Contractor to provide services onsite on all working days (9.30 AM to 6.00 PM) to attend complaint and provide adequate services as and when required for day to day maintenance / repair of Split type AC units.
3. Contractor must be provided safety PPE's (Personal protective equipments like safety belt, hand gloves, goggles etc.) & LOTO (Lock out and Tag out) device for safe maintenance for their maintenance personal.

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4. Consumable essential spare, accessories, etc. need to be kept in store by contractor for smooth AC maintenance. Mention in **Annexure-I**
5. Attending the breakdown calls on the same day or within 2 working hours. Sufficient manpower to be deployed for this purpose. Kindly note that since this is a Chemical & Biological research institute, the breakdown time must be kept as minimum as possible.
6. Minor repairs must be done within one working day or as early as possible. Major repairs must be completed within 3 working days. If it is delayed more than 3 working days the contractor will have to give proper explanation for the delay.

Note: The down time for attending to and ratification of defects / complaint has been mentioned earlier. Failing of which a penalty of Rs. 300/- per complaint / day will be deducted from AMC bill.

7. All AC machines should be maintained properly and in such a way that there is no repetitive break down of the same machine.
8. Cleaning of split AC air filters as per requirement.
9. Cleaning of condenser and evaporator coils with suitable detergent / chemical solution and flushing with high pressure jet water thoroughly as per requirement.
10. Checking of current drawn by each AC unit to know the health condition as and when required.
11. Checking the operation of all motors and ensuring that it is not abnormally heated up. If needed lubrication on the movable parts should be done as & when required.
12. Greasing of blower motors and all moving parts.
13. Checking of thermostat limits for proper temperature control.
14. Tightening of electrical & mechanical connections.
15. Repairing / replacement of defective remote control units
16. Repairing / replacement of defective compressors.
17. Plywood need to be provided by contractor for installation of Indoor unit as where required.
18. Checking firmness of the supporting arrangement for the compressor, blower motor, air conditioners casing and fixing of the air conditioners etc.

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19. Repairing or replacement of outdoor support frame wherever needed.
20. Painting of support frame once every year
21. Painting / repairing / replacement of all the rusted portion of AC Units.
22. All AC drain pipes must be in position and connected to the main drain line dedicated for the AC. Under no circumstance, there should be any water leakage from the AC's.
23. Repair / replacement of drain pipe line of AC's as and where required.
24. Most of the AC's are accessible through sun shed and service ladder. However, for service and maintenance etc. of inaccessible AC's (very few in numbers) scaffolding must be done by the contractor at his own expenses.
25. Checking of PVC insulation of refrigerant pipe lines and replacing the same with new ones immediately whenever needed.
26. Replace of condenser and evaporator coil as and when required.
27. Repair / Replacement of AC remote / hand set/ remote batteries as and when required.
28. For the above maintenance, any or all materials, tools, instruments etc. needed are to be arranged by the contractor at his own cost. Institute, will not provide anything to the contractor irrespective of consumable or non-consumable parts.
29. 1st quarterly servicing to be done soon after award of the work and as per condition of award letter but to be imitated within 3 days of effectiveness of the award letter. During the 1st servicing minor repairing of body & cover and painting is to be done.
30. **For each AC Machines one service report card will be made. The card has to sign by the user, service person and the Scientist-in-charge. Payment will be made after reviewing each and every card.**
31. The service provider and service men appointed for servicing will report to AC maintenance in charge.
32. Any other relevant issues as directed by the Head ESU / AC Section.

4.0 Additional work description:

a) The contractor required to carry out the above the jobs irrespective of number which may be more or less than the stipulated number, and as per requirement of the laboratory. Payment for the items will be made on the actual basis and as per item rate quoted.

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b) Contractor should take the prior approval any kind of repairing or replacing work of AC units from the concerned department. No claim for additional charges for repairing or replacing spares should be entertained if approval is not taken.

c) Blocking of pocket with wooden board and nails and blocking of hole for split AC pipe lines should include in the cost. The work has to be executed as directed by the AC section.

d) All work mention in the list from SL. No. 1.0 to 1.11 of their quoted amount will be taken into consideration for the evaluation of selection the lowest bidder.

5.0 Others:

1. All components & spare required to replacement will be of manufacture's make.

2. The contractor to provide sufficient "Service Unit" for defective Split type AC machine.

3. Contractor shall not repair any AC machine, which is not under AMC, without prior approval and sanction of the competent authority. In the event of non-compliance of the same, the contractor shall be held responsible and liable to pay charges towards any loss or damage to the machine.

4. The contractor shall hand over the charges either to the concern section or to the next qualified bidder under satisfactory & running condition after expiry of the contract and as directed by the concern section

5. In case the work by AMC contractor is not found satisfactory, the contract may be terminated by IICB giving one month notice.

6. In case the contractor wants withdraw, the AMC contractor has to give three months prior notice with sufficient valid reasons of withdrawal.

7. Contractor to provide sufficient worker / AC service manpower as per the load of complaints or breakdown.

8. Contractor to provide safety harness belt, helmet, goggles, hand gloves etc for each worker for safely work.

9. Contractor to be liable for any incident and accident for related to AC maintenance and their maintenance personal.

10. Vendor should quote all- inclusive price i.e. including all applicable taxes

TO UNDERSTAND THE COMPLETE WORK, CONTRACTOR MUST VISIT THE SITE (IICB, KOLKATA) AND CONSULTE ENGINEER IN CHARGE BEFORE QUOTING THE RATES.

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Annexure-I

Sl. No.	Item
	<p>Following spare materials, accessories, and consumable items required for necessary service and maintenance of Voltas make different types of Split type AC units (1.5 /2.0 Ton Capacity). Materials are to be store as per list.</p> <p>(a) P.C.B. of indoor and outdoor unit of Voltas makes & different models AC machines as per sample</p> <p>(b) Motor of AC machine Voltas makes & different models as per sample</p> <p style="padding-left: 40px;">(a) Fan motor of condenser unit of split type AC.</p> <p style="padding-left: 40px;">(b) Blower motor of cooling unit of split type AC.</p> <p>(c) Compressor (Voltas make and different model) make complete in all respects including requisite amount of proper refrigerant.</p> <p style="padding-left: 40px;">(a) 1.5 TR single / three phase rotary / Reciprocating type</p> <p style="padding-left: 40px;">(b) 2.0 TR single / three phase rotary / reciprocating type</p> <p>(d) copper pipe with insulation of suitable size (dia. ¼” ,3/4” , 3/8” , 5/8”)</p> <p>(e) Iron bracket of suitable size for outdoor AC unit (1.5 /2.0 ton Capacity)</p> <p>(f) PVC hard braded drain water pipe with insulation.</p> <p>(g) Running Capacitor</p> <p style="padding-left: 40px;">(1) 36 mfd</p> <p style="padding-left: 40px;">(2) 45 mfd</p> <p style="padding-left: 40px;">(3) 50 mfd</p> <p style="padding-left: 40px;">(4) 60 mfd</p> <p>(h) Starting Capacitor</p> <p style="padding-left: 40px;">(1) 80-100 mfd</p> <p style="padding-left: 40px;">(2) 120-150 mfd</p> <p>(i) Motor Capacitor</p>

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	(1) 2.0 /2.5 /3.0 mfd.
	(2) 4.0 / 6.0 mfd.
	(3) 8.0 /10.0 mfd.
(j)	Relay
(k)	Contractor (Make as per sample)
(l)	Time delay Switch
(m)	Selector Switch
(n)	Thermostat Switch
(o)	Air filter (Make as per sample)
	(1) For Split Type AC.
(p)	Runner (Make as per sample)
	(1) For Split Type AC.
(q)	Condenser fan blade (As per sample)
(r)	Swing motor (Make as per sample)
(s)	Refrigerant Gas
(t)	Condenser coil (make as per sample)
(u)	Air Sensor / coil sensor (make as per sample)
(v)	LPG gas for brazing (225 gm. Container)
(w)	Remote battery
(x)	Fan Motor of Condenser unit of split AC
(y)	Blower motor of cooling unit of split type AC

**CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY
KOLKATA – 700 032.**

Name of Work: Comprehensive Annual Maintenance contract of 217 nos. of Voltas make Split AC units at CSIR-IICB Jadavpur & Salt Lake campus.

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SUMMARY OF COST

Total [brought forward from page no.19] = Rs.....

Total in Words: (Rupees.....

.....**only**

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Tender No. Admn.26(204)/2017

Date: 28.07.2017

BILLS OF QUANTITY (FINANCIAL BID)

Name of Work: Comprehensive Annual Maintenance contract of 217 nos. of Voltas make Split AC units at CSIR-IICB Jadavpur & Salt Lake campus.

Sl. No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
1.0	<p>Annual service & maintenance: Comprehensive Annual Maintenance of Voltas make Split type Air Conditioning Units of different models installed at different room / sections (see attached list) of institute for their effective functioning throughout the period of one year. This work will be including supply of all necessary spare parts & consumable materials viz. Air filter, Refrigerant gas, Capacitor, Compressor, P.C.B., Bracket, Base plate, Condenser & evaporator cooling coil, Runner, Copper pipe(Dia:1/4",3/4",3/8",5/8"), clear braided flexible PVC hose pipe, Three/ four core Electric wire, Condenser fan motor, Indoor fan motor, dry cell / batteries (for remote control units) etc. complete as required and as per standard engineering practice. Here the scope of work is inclusive of general servicing, overhauling, leak testing, required refrigerant gas charging, cleaning (also see the scope of work) up keeping of air conditioning unit and their immediate surroundings (room / lab). For this purpose all essential consumable & cleaning materials viz. Cloth, Cotton west, Soap detergent etc. are to be arranged by the AC maintenance contractor. All the consumable materials to use shall be of reputed make and or shall be used in consultation of ESU AC section. AC Maintenance Contractor's scope of work briefly describe latter.</p> <p>(a) 1.5 /2.0 TR capacity split type AC unit</p> <p>Note: Total number of AC units may be change during the contract, thus proportionate rate / amount will be decided on the basis of actual number of AC units. Once in a quarter complete overhauling & servicing for each AC machine need to be done by AC maintenance contractor. Service report must be submitted along with quarterly bill submission.</p>	217	Yearly		

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Sl. No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
1.1	<p>Dismantling of AC unit: Dismantling of existing Split type AC units (voltas make & different model) from the specific location and keeping the dismantled AC units to store / place / location as indicated by the engineer in charge within institute campus. This work is inclusive of making arrangement of covering the holes for split AC pipe lines and blocking of pocket with ply wooden board and nails (as applicable) as required to meet actual site requirement.</p> <p>(a) 1.5 / 2.0 TR capacity split type AC unit Note: If require</p>	01	Each		
1.2	<p>Re installation of AC Unit: Standard complete re-installing of Split type AC units (Voltas makes & different models) for shifting the same from one place to another place as indicated by the engineer in charge / lab in charge within the institute campus. This work is inclusive of all necessary work like overhauling, servicing, leak testing, required gas charging etc. and necessary accessories and erection consumable materials like copper pipe with suitable size (Dia ¼", ¾", 3/8", 5/8" etc), iron bracket of suitable size for outdoor units, PVC drain pipe, three core electric wire etc.) as required.</p> <p>(a) 1.5 / 2.0 TR capacity Split type AC unit Note: If require</p>	01	Each		
1.3	<p>Supplying and laying necessary copper pipe with insulation of suitable size (Dia ¼" ,3/4", 3/8", 5/8") for supply and return refrigerant gas line of AC machines.</p> <p>Note: If require</p>	01	Ft.		
1.4	<p>Supplying and laying of clear braided flexible PVC hard braded hose pipe for AC drain water with all accessories</p> <p>Note: If require</p>	01	Ft.		
1.5	<p>Supplying and laying of Three/four Core Electric Wire</p> <p>Note: If require</p>	01	Ft.		
1.6	<p>Supply and installation of bracket of suitable size for outdoor unit. The job is including of cutting the wall and repair the damage.</p> <p>Note: If require</p>	01	Set		

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Sl. No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
1.7	Repairing and replacement of motor of AC machine Voltas makes & different models(Capacity 1.5 /2.0 Ton split AC) as per sample (a) Fan motor of condenser unit of split type AC. (b) Blower motor of cooling unit of split type AC. Note: if require	01 01	Each Each		
1.8	Supply, installation, testing & commissioning of new compressor (Voltas makes and different models) make complete in all respects including requisite amount of proper refrigerant. (a) 1.5 TR single / three phase rotary / Reciprocating type (b) 2.0 TR single / three phase rotary / reciprocating type Note: If require	01 01	Each Each		
1.9	Condenser / Evaporator coil (make as per sample) replacement of Voltas makes & different models AC machines (Capacity 1.5 /2.0 Ton split AC) as per sample Note: If require	01	Each		
1.10	Repairing and replacement of P.C.B. of indoor and outdoor unit of Voltas makes & different models AC machines (Capacity 1.5 /2.0 Ton split) as per sample Note: If require	01	Each		
1.11	Repairing and replacement of remote or handset of Voltas make & different models of Split type AC machine (Capacity 1.5 /2.0 Ton split AC) as per sample Note: If require	01	Each		
Grand Total					

Signature of Tenderer with Seal

Letter of Transmittal
Request for Eligibility

To be submitted by type-written in the letterhead of Tenderer

Tender No. Admn.26(204)/2017

Date:2017

To
The Director
CSIR-Indian Institute of Chemical Biology,
4, Raja S. C. Mullick Road, Jadavpur,
Kolkata – 700 032.

Sub: Submission of Tender for the Work of 'Comprehensive Annual Maintenance contract of 217 nos. of Voltas make Split AC Units at CSIR-IICB, Jadavpur & Salt Lake Campus, Kolkata .

Sir,

I/we have read, examined tender documents with all its contents carefully and have no doubt on it.

I/we hereby certify that all documents displayed in the tender documents are downloaded and printed at its true format as displayed and no addition alteration modification are made in that document. I/we also agree that if any addition alteration modifications are found in my/our tender, this would be summarily rejected and I/we would have no claim on it.

I/we have furnished all information and supporting details necessary for eligibility and have no further pertinent information to supply. I/we also certify that all the information supplied is true and correct. I/we also agree that in case of any misleading or false or deliberately suppressed information or record of poor performance such as abandoning work, not properly completing contract or financial failure/weakness etc. I/we may be liable for disqualification.

I/we also authorize the Director, IICB or his authorized representative to approach individuals, employers, firms or corporation to verify our competence and general reputation.

I/we hereby tender for the execution of aforesaid work within the time specified in tender and in accordance in all respects with the specifications, designs, drawings and instructions referred in General condition of contract and with such materials as are provided for by and in respects in accordance with such conditions, so far as applicable.

I/we agree to keep the tender open for 90 days after opening of price bid which would be opened preferably within a month after opening of eligibility documents and not to make any modifications in its terms and conditions.

'Earnest Money' amounting to Rs. 14,700/- from scheduled bankbranch..... vide DD/Pay Order No..... as well as 'Cost of Tender' amounting to Rs. 500/- from scheduled bankbranch..... vide DD/Pay Order No..... ; both drawn in favour of Director, Indian Institute of Chemical Biology, Kolkata are deposited along with the tender and are placed inside 'Envelope No1' marked as 'Eligibility Documents'.

I/we further agree that if I/we fail to furnish the prescribed performance security within the prescribed period, IICB without prejudice to any other right or remedy be at liberty to forfeit the earnest money absolutely. Further if I/we fail to commence the work as specified, I/we agreed that IICB shall without prejudice to any other right or remedy be at liberty to forfeit both the earnest money and performance security absolutely.

Further I/we agree that in case of forfeiture of earnest money or earnest money and performance security as aforesaid, I/we shall be debarred for participation in the re-tendering process of the work.

I/we hereby declare that I/we shall treat the tender documents, drawings and other records connected to this work as secret / confidential documents and shall not communicate information derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety and security to IICB.

Enclosure:

Signature of Tenderer with Seal