

Indian Association for the Cultivation of Science

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Tender Notice

NIT No. : IACS/WS/AC (PURCHASE) /2021 -22/81 , Dtd.30/09/2021

Sub : Purchase Enquiry for 6 nos. 3 star 2.0 TR Split Airconditioners (Inverter Type) unit for IACS, Jadavpur. for Prof.Surojit Sinha's Lab , T.K. Paine's Lab and Prof. Anuja Dutta's Lab

Sealed item rate Tender in single bid system (Technical bid & Financial bid) is invited for purchase of 6 nos. 2.0 TR (3 STAR TYPE) Split Inverter type AC unit from Nationally/ Internationally established original manufacturers or their authorized distributors having marketing and servicing establishment all over India including Kolkata (it is a must to qualify a bidder in the technical bid) or from their authorized distributors/dealers who have supplied and installed at least 15 AC unit of similar capacity or above to Government Organization /Government Research Institute or Highly Reputed Private Organization for Industrial / Research Application etc. during the last 5 years reckoned from the date of issue of this purchase enquiry notice . Therefore, interested parties may please send the offer ("Technical Bid" & " Financial bid" in a sealed envelopes) to the Receiving & Despatch Section of IACS, Jadavpur on or before 18/10/2021 (up to 3 p . m .) mentioning the item of purchase, Enquiry no. & due date on the top of the envelope, which (Technical Bid) will be opened on 18/10/2021 i.e. on the same day at 4.30 p.m. in presence of the intending bidders under the following terms & conditions. If holiday is declared on the schedule date of opening, the Technical Bid / bid will be opened on the next working day at 4.30 P.M. **The Technical bid shall contain the credential to fulfil the eligibility criterion as asked for in this purchase enquiry notice, earnest money deposit (EMD), printed product literature / technical specification of the product to be offered, VAT registration certificate, PAN, Dealership/Distributorship Certificate (in case of dealer or distributor) issued by the manufacturer, client list, warranty provision, test certificate etc along with this tender document duly filled in all respect and properly signed & sealed in all pages and any other documents considered to be essential to establish their credibility EXCEPT THE PRICED OFFER. THE PRICE BID SHALL INCLUDE THE PRICED OFFER ONLY.** The sealed envelopes should bear the name of work , NIT no. and due date of opening on the top of the envelopes and should reach the Registrar, IACS, Jadavpur, Kolkata 700032 on or before on before the scheduled date & time specified below. The down loaded tender document should be submitted with bid along with a Bank Draft./ Bankers cheque of Rs. 526/- (500/- + 5% GST = Rs.526/ - , CGST & SGST@ Rs.12.50 rounded to Rs.13.00 each) , as a Tender paper cost(non refundable) .

Total estimated cost (approx.) = Rs. 314122 /-(Inclusive all)

Tender Notice No./ NIT No.	IACS/WS/AC (Purchase) /2021-22 /81	Dtd.
	30/09/2021	
Last date and time of submitting tender	18/10/2021 upto 3.00PM	
Pre-bid meeting to discuss technical specification and other related matter	Not applicable	
Date and time of opening tender (Technical Bids)	18/10/2021 at 4.30 PM	
Contact Details	S. Banerjee (Ext. 1700) / S. Mallik ,(Ext. 1811)	

(Sign and Seal of bidders)

Terms & Conditions :

- 1) The offer / BID should be valid for minimum 60 days for acceptance of the same. **The quoted rate should be inclusive of all taxes, delivery charges etc.** Nothing extra will be paid except to the accepted rate.
- 2) Delivery at site at bidder cost and risk within 12 days from the date of issue of Purchase Order or at the written permission of IACS , failing which this order will be cancelled & EMD will be forfeited.
- 3) Payment is likely to be released within 45 days against successful delivery, installation, testing & trial run/commissioning.
- 4) An Earnest Money (EMD) of Rs.9424 /- i.e. 3 % of the estimated cost (Rupees Three Thousand one Hundred Ninety Three only) , to be enclosed with the quotation (Technical bids) favouring "Indian Association for the Cultivation of Science" through pay order/ demand draft on local Bank which will be released to the unsuccessful bidders on demand after issuing the Work Order / Purchase Order to the successfully bidder . The EMD shall not carry any interest & the same will be released to the successful bidder after receiving performance bank Guarantee or as per direction of authority of IACS .
- 5) Installation of all ACs should be completed within 12 days from the date of delivery of ACs or as per direction of IACS
- 6) The Successful bidder (i.e. Technically and financially qualified) should supply the Airconditioners within 12 days from the date of receipt of Purchase Order / Work Order , failing which EMD will be forfeited & Order will be cancelled without any further notice & the supplier/ vendor will be delisted from the Vendor list of IACS.
- 7)The AC to be supplied should have warranty of not less than 12 months from the date of successful installation or 15 months from the date of successful delivery whichever is earlier.
- 8) The quotation should be enclosed with printed **technical literatures** of the product to be offered along with a list of credentials and other relevant documents fit to be essential to establish your position.
- 9) The bid must carry the signature (with company seal) of authorized signatory of the Company /firm on each page of this purchase enquiry document along with other documents as asked for to be submitted with their bid.
- 10) Installation, Testing & Commissioning: **Should be included with FREE OF Cost .**
- 11) **The Successful bidder must supply their quoted model within stipulated time which has been mentioned in their tender bid , failing which EMD will be forfeited & Order will be cancelled without any further notice & the supplier/ vendor will be delisted from the Vendor list of IACS.**
- 12) **Only one model should be quoted by the bidder against this tender . The bid/tender documents will be automatically cancelled without any notice / communication , if the bidder quote more than one model of ACs in this tender .**
- 12A) There will be no price escalation except for any changes or imposition of Govt. Levies from the date of opening of tender.
- 13) Higher Tonnage will be accepted without any extra price.
- 14) Complete Purchase Enquiry Document will be available at www.iacs.res.in / Tender and the same should be downloaded from IACS website for submission . **Conditional offer including conditional rebates shall be summarily rejected.**
- 15) The compliance list (Technical Specification sheet) as provided with this purchase enquiry document must be filled in all respect as per our measurement units and to be submitted with the offer.
- 16) The IACS authority reserves the right to reject any or all the offers without assigning any reason thereof.
- 17) **The successful bidder should have servicing establishment at Kolkata (it is a must to qualify a bidder in the technical bid) .**
- 18) **Bill should be submitted after successful Installation of all ACs .**
- 19) Authorized dealership certificate should be provided in case of Principal manufacturer is not participating directly/ bidding directly.
- 20) The supplier/ Vender shall provide two wet service & two dry service during the warranty period / in a year
- 22) The tender shall make his own arrangements for supply and installation of materials at the purchaser's site.
- 23) Value of each item with total and grand total of whole tender should be written clearly. Corrections or overwritten amounting to unreadable may disqualify the tender. Clerical and arithmetical mistakes may result in rejection of the tender.
- 24) The purchaser may alter the quantities of material at the time of placing of orders and may split order among more than one bidder.
- 25) The E.M.D shall be forfeited if a bidder withdraws its bid during the period of bid validity.
- 26) The tender documents should be down loaded from IACS website .
- 27) Rs. 500 /- + 5% GST = Rs.526/ (CGST & SGST @ Rs.12.50 rounded to Rs.13.00 for each) per set non refundable Demand Draft/ Pay Order to be paid (with the technical bids) as a tender paper cost in favour of Indian Association for the Cultivation of Science payable at Kolkata from a scheduled Bank positively along with the tender/ quotation in a separate Envelope without which the tender will summarily be rejected.
- 28) Prospective bidders may please refer to our website <http://www.iacs.res.in>/ tender , occasionally for any update on the tender which may appear from time to time either in respect of pre-bid meeting , corrigendum or otherwise.
- 29) **IACS reserves the right to increase/decrease the specified quantities of any item (s) given in the tender (including copper pipe ,electrical cable ,water pipe etc).**

(Sign and Seal of bidders)

Terms & Conditions :

- 30) Part supply & part payment, advance payment will not be entertained.
- 31) Defective Condenser coil , compressor , Cooling coil , Motor , Runner etc. should be replaced by new one within 2 days & payment will be released after replacement of the same .
- 32) Bill should be submitted after successful completion the installation & commissioning Work.
- 33) Unless otherwise specified in the NIT, all other terms & Conditions will follow as per GFR 2017 ..
- 34)The successful tendered / bidder shall furnish a performance Guarantee (PG) of 10% or as per Govt. rule of the total contract price before the purchaser and the same will be released after 3 months from the date of expiry of AMC Order / warranty period of new ACs or as per GFR -2017 . In case of non- submission of Performance Bank Guarantee , Security Deposit @10% (OR as per Govt. rule) of Invoice value will be deducted and shall be kept for one year after which it will be released or it will be released as per GFR-2017 . The performance Guarantee shall not carry any interest.
- 35) The successful bidder should be fully responsible to supply all items as per specification and Model as quoted by them in the bid/tender , failing which EMD will be forfeited & Order will be cancelled without any further notice & the supplier/ vendor will be delisted from the Vendor list of IACS. The alternate model will not be accepted.
- 36) The conditional tender/bid will not be accepted .**
- 37) Payment of AMC Charges (if any): Payment will be made after successfully completion of AMC Work . The AMC Order of ACs will be made after successfully completion of service within warranty period.
- 38) The contract shall normally be awarded to the lowest evaluated bidder whose bid has been found to be responsive & who is eligible & qualified to perform the contract satisfactory as per the terms & conditions incorporated in the NIT . The IACS reserve the option / right to select more than one firm for award of contract for difference machines to ensure uninterrupted servicing / repairing during the currency of the contract.
- 39) The tender document should be duly signed and sealed on every page including annexure,if any

Terms and Condition of AMC Work of ACs :

- 1) The AMC Covers all motors , cooling coil ,condenser coil , Circuit Board , Gas Charging , leak testing and repairing , all capacitor changing 2) The term comprehensive maintenance shall include wet cleaning of out - door unit & indoor unit at least twice in a year , oiling all parts where necessary , Chemical Washing , Gas filling , leak testing , belt replacement / repair / replacement of condenser coil & evaporator coil within 48 hours , filter , thermostat , all kind of motor repair/ replacement , Changing of Capacitor , all type contractor & replacement / repair of all other parts which are required to make the machines in working condition during the currency of the contract at the exclusive risk , responsibility & the cost of contractor. This shall be ensured that genuine certified new parts only are placed & this shall be after proper inspection of old parts & new parts by a staff of IACS.
- 3) The vender should supply the compressor with same specification and made against free of cost from the manufacturer since the compressor has a warranty of 10 years.
- 4) PAYMENT : Payment of AMC will be released after successfully completion of AMC Work .
- 5) The contractor shall be fully responsible for hand over all the Air - conditioners in working condition along with all the accessories to the Section In- charge of IACS during expire the contract & cost of shortcoming , if any , shall be borne by the outgoing contractor/Vendor , failing which no payment will be released .
- 6) AMC Order : AMC Order will placed with the successful bidder after expiring of warranty period of ACs
- 7) Defective materials can be taken out at the written permission of IACS authority .
- 8) All defective materials to be replaced within 48 hours.
- 9) The damage caused , if any , either to the machines or to any other property of IACS through the negligence or otherwise , shall be at the risk , cost & responsibility of the contractor .
- 10) The contractor shall be responsible for removing the debris arising out of the works under this contract & shall ensure that the site is cleared of all such debris by proper disposal without any extra cost, whatsoever.
- 11) Any number of break down calls to be attended by the contractor / vender during the Maintenance period.
- 12) The contractor shall take all necessary precaution for the safety of the workers & preserving their health while working in such job as per Govt. norms.
- 13) If in any case , the firm is not able to do the work , the same shall be got from some other firm or from the open market at the cost of contractor & the extra expenditure incurred thereon shall be recovered from him . This shall entail the termination of the contract , forfeiture of the performance security & debar for any future contracts from IACS for at least three years .
- 14) The AMC Work shall start within 24 hours by the successfully bidder after receiving the AMC Work Order .
- 15) An acceptance letter should be submitted within 24 hours by the successfully bidder after receiving the AMC Order

Registrar (Acting)

(Sign and Seal of bidders)

Required Technical Specification for 2.0 TR 3 star Inverter type Split ACs :

(Note : Bidder are requested to submit a certified copy of printed catalogue of technical specification of ACs against their quoted model to establish the authenticity of AC , otherwise bid will be summarily rejected) :

Sl No.	Description of Items	Unit / Materials	Required Specification	Bidder's specification
1	Model No. & Manufacturer's Name (Clearly to be given)			
2	Tonnage class	TR	Min. 2. OTR (Inverter Type)	
3	Star Rating	BEE Star rating	Minimum 3 Star	
4	Compressor	Type	Rotary (Variable speed , 100 % Inverter)	
5	Rated Cooling Capacity	BTU/ per Hour	Not Less than 23000 BTU	
6	Rated Cooling Capacity	in watt	Not less than 6725 Watt	
7	Rated Power Supply		230 +/- 10% AC at 50Hz , Single Phase	
8	Rated Input Current (Amp.) / Nominal current		not more than 12 Amp.	
9	Cooling Coil	Copper pipe	100% Copper (Aluminium Coil / alloy shall not be accepted)	
10	Condenser Coil	Copper pipe	100% Copper (Aluminium Coil / alloy shall not be accepted)	
11	ISEER		Not less than 3.8	
12	Suction & discharge Pipe	Copper pipe	Copper (Min. 0.8 MM Thickness)	
13	Insulation on Refrigerant Piping's		Nitril Rubber Insulation Sleeves with pre- Clad Aluminium and joints with Aluminium Tapes	
14	Warranty for A.C.		12 months from the date of Installation / 15 months from the date of despatch	
15	Refrigerant		410A / R-32 or Eco – Friendly Gas	
16	Warranty for Compressor		10 Years from the date of Installation	
17	Delivery		12 days from the date of receipt of Purchase Order or at the written permission of IACS authority , failing which Order will be automatically cancelled without any notice. Further, part supply & part payment will not be entertained. Only quoted model will be accepted.	
18	Installation Days Within 12 / 7 days from the date of delivery or as per written direction of IACS			
19	Cordless Remote-Microprocessor Control.		With Battery Operated Remote Controller having LED/LCD display	
20	Clamping of Pipe line to be done at an interval of 1 ft.			
21	Details of servicing establishment at Kolkata (it is a must to qualify a bidder in the technical bid).			

(Sign and Seal of bidders)

Price Bid Format for 2.0 TR 3 star Inverter Type Split ACs Vide

NIT No. IACS / WS / AC (Purchase) / 2021-22 / _____ , dtd.30/09/2021

Sl No	Description of Goods	Model No.	Unit Price /per ft	Manufacturer Name	Total Price (Exclusive GST)	% of GST	Total Price (Inclusive GST)
01	6 nos. 2.0 TR 3 Star Split Inverter Type AC with fully Inverted Compressor (ISEER not less than 3.8) with 2 nos. 16 Amp Plug Top + 10 ft. Copper pipe for each AC+ 10ft. 2.5 MM Dia. 4 Core Electrical Cable for each AC + 2.5 MM Dia. 5 ft. Water pipe for each AC					28%	
02	Installation Charges per AC (including hole cutting on Wall for passing Pipe , electrical Cable etc. + Plastering with cement and sand + room cleaning + saddling of Pipe on the wall where required.					12%	
03	Charges for Supplying and laying of extra 91 ft. 4 core 2.5MM Dia. Electrical Cable					12%	
04	Charges for Supplying and laying of extra 76 ft. Copper Pipe for (22ft. for one AC and 10 ft for other AC)					12%	
05	Charges for Supplying and laying of extra 100 ft. 25 MM Drain Pipe for 2 ACs					12%	
06	Charges for supplying and laying 6 pair Heavy duty Powder coated GI /Aluminium Stand for fixing outdoor condensing unit					12%	
07	AMC of ACs for 1 years (without compressor since the compressor is under warranty for 10 years) as per terms and conditions stated <u>page no.- 3</u>					18%	
	Grand Total						

Note : 5% GST will be given when IACS issue a DSIR Certificate and the successful bidder have to accepted this system / rule .

(Sign and Seal of bidders)