



Indian Association for the Cultivation of Science

2A & 2B, Raja S.C. Mullick Road, Kolkata – 700032, West Bengal, India.

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NOTICE INVITING TENDER

NIT No.: IACS/WS/SB/AC/2017-18/119

Date: 08/03/2018

Sealed item rate tender in **two bids system** (technical bid and price bid) is invited from bonafide, resourceful & eligible manufacturer/exclusive distributor/ authorized Dealers / Stockiest for **“Supply, Installation, Testing and commissioning of 30 Nos. 5 Star Split Air Conditioners of 1 ton capacity – 02 Nos., 1.5 ton capacity – 18 Nos., 1.5 ton capacity Cooling and Heating type – 02 Nos., 2 ton capacity – 08 Nos., at IACS, Jadavpur, Kolkata”**.

Part-I (Technical Bid): The Technical Bid shall contain the technical specifications of the product to be offered in our prescribed pro-forma along with printed literature of the product to be offered in original, copy of type test certificate of the product (against the model no. to be offered), copy of authorized distributorship/dealership/stockiest certificate issued by the manufacturer of the product, copy of GST Registration Certificate, Trade License, PAN etc. including commercial terms and conditions in detail and credential (i.e. Minimum Eligibility Criteria).

Part-II (Price Bid): The Price Bid shall indicate the **item wise prices only** in the prescribed pro-forma as enclosed with the tender document.

The Technical Bid & Price Bid are required to be submitted separately in sealed envelopes distinctly marked accordingly and both envelop are required to be put inside another envelop, that should be sealed and super scribed with NIT no. and due date. The bidders should submit the Bid Documents duly signed & sealed on each page and to be submitted with a covering letter in their own letterheads.

The completed Bid Document should be submitted to IACS on or before the scheduled date & time as specified below addressed to the **Registrar, Indian Association for the Cultivation of Science, 2A & 2B Raja S. C. Mullick Road, Jadavpur, Kolkata-700032** which will be received by the **Receiving and Dispatch Section of IACS**.

Agreement in prescribed format to be made by the successful bidder on a non judicial stamp paper of Rs.100/- from the date of receiving the work order within three days.

Estimated Cost	Rs.13,29,240/-
Earnest Money Deposit (EMD)	An Account payee Demand Draft/Pay Order/Banker's Cheque of any scheduled bank (No other form will be accepted) for Rs. 26585.00 (Rupees Twenty Six Thousand Five Hundred Eighty Five only) drawn in favour of “Indian Association for the Cultivation of Science is to be furnished by the bidders in a separate envelop duly super scribed as EMD. First the EMD envelop will be opened and if it is found not in accordance with the NIT, the Tender will be summarily rejected. The Demand Draft for the EMD should have at least 90 (ninety) days validity from the date of release of NIT. The EMD shall be returned to the unsuccessful Bidders against submitting an application for refund of EMD.
Cost of Tender	<i>The tender paper may be purchased from the Workshop Department of IACS, Jadavpur against payment of Rs. 500/- + 5% GST = Rs.526/- (CGST & SGST @ Rs.12.50 rounded to Rs.13.00 for each) per set (nonrefundable) in cash. However, the firms who will submit downloaded tender from our website (www.iacs.res.in) should deposit Rs. 526/- (non-refundable) in the form of Demand Draft/Pay order/Banker's cheque (non-refundable) of a scheduled Bank with their tender in a separate envelope without which their tender will be summarily rejected</i>

Tender Issue Date	09/03/2018
Pre-bid meeting date and time	15/03/2018 at 3.00 PM (At Meeting Room, Workshop, IACS)
Last date of application& issue of tender	21/03/2018 (up to 1 PM)
Last date and time of submitting tender	21/03/2018(up to 3.00 pm)
Date and time of opening tender	21/03/2018 at 4.00 PM (only Technical Bid) in presence of Intending Bidders.
Date and time of opening Price Bid	22/03/2018 at 4.00 PM (Price Bid) in presence of Technically successful Bidders
Place of Tender Opening / Contact	Meeting Room, Workshop, IACS / Email: wssb@iacs.res.in Tel.+91 33 2473 4971 [Ext. 1700]

1. Minimum Eligibility Criteria:

- (i) Completion of one similar work of value not less than 80% of the estimated cost put to tender in Government, Semi-Government, PSU or Govt. funded Autonomous Body or reputed private organizations during the last 5 (five) years to be reckoned from the date of issue of NIT.
- (ii) Completion of two similar work each of value not less than 60% of the estimated cost put to tender in Government, Semi-Government, PSU or Govt. funded Autonomous Body or reputed private organizations during the last 5 (five) years to be reckoned from the date of issue of NIT.
- (iii) Completion of three similar work each of value not less than 40% of the estimated cost put to tender in Government, Semi-Government, PSU or Govt. funded Autonomous Body or reputed private organizations during the last 5 (five) years to be reckoned from the date of issue of NIT.

2. Technical Bid Evaluation: The technical bids will be opened first to judge/evaluate the technical specifications of the said split Air Conditioners. The Technical Bids will be evaluated first to prepare a list of the technically qualified bidders. Thereafter the price bids will be opened (with prior intimation) in respect of technically qualified bidders only.

3. PRICE BID : The Price bid should indicate item-wise prices for the item(s) as mentioned in the Schedule of Work of the tender document. The price bid should be kept in a separate sealed envelope duly super scribed as 'PRICE BID' on the outer cover of the envelop. Price bids of only technically qualified bidders will be opened. Prior intimation will be given to them in this regard through e-mail. Rest of the bids will stand rejected.

4. Opening of price-bid: The Price Bid(s) of the technically qualified bidders will only be opened. The short-listed bidders will be intimated at their email addresses prior to opening of the price bid. The rest of the bids will be rejected.

5. Guarantee/Warranty :As per manufacturer's Guarantee/Warranty clause will be applicable. However, the Guarantee /Warranty to be offered by the manufacturer should not be less than 12 months from the date of successful Commissioning of the split AC unit or 15 months from the date of supply whichever takes place earlier.

6. PERFORMANCE Bank Guarantee (PBG): Performance Bank Guarantee (PBG) @ 10% of the order value in the name of "Indian Association for the Cultivation of Science" is to be furnished by the successful bidder as Performance security. Performance security should remain valid for a period of 30 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations. The EMD will be refunded to successful bidder on receipt of the Performance security. The PBG will be treated as Security deposit. No further deduction will be made from the bill.

7. Delivery Schedule:

Delivery has to be made within 15 days (maximum) from the date of receiving the Order.

8. Liquidated Damage: Liquidated damage for delay in completion of work will be imposed upon the supplier @ 1% of the order value per week or part thereof subject to a maximum of 5% of the Order value beyond which the order may be cancelled, if no reasonable and sufficient cause is found. However delay due to natural calamities is considerable.

8. Payments: 100% of the bill value will be released after successful completion of installation & commissioning of the AC units. However, if the installation work is kept pending due to reasons beyond the control of the contractor, the payment will be made by IACS based on the actual measurement of work already executed by the contractor.

GENERAL INSTRUCTIONS

1. Validity of tender: Tender submitted should remain valid for at least sixty days from the date of opening of the tender. Validity beyond sixty days from the date of opening of the tender shall be considered by mutual consent.
2. The tender should accompany a technical compliance chart as per format.
3. Incomplete and conditional tenders as well as tenders received after the due date will be summarily rejected without assigning any reasons thereof.
4. Minutes of the pre-bid meeting shall form a part of the NIT. No change after issuance of Minutes of the Meeting is permitted. The Minutes of Meeting will be uploaded in the IACS website at www.iacs.res.in Therefore, it is requested to visit the IACS website regularly by the participating bidders to get the updates (if any).
5. Please note that IACS will not provide any accommodation or reimburse any expenses to any of the bidders for attending the pre-bid meeting, opening of technical bid and price bid session.
6. Installation/Demonstration at site/ User's training at IACS should be provided free of cost by the contractor.
7. **Service facility:** The after sales service setup should be located in India preferably at Kolkata. The contractor should mention the details of service setup for providing after sales support. Response time should be within 24 hrs.
8. **The model number, make and a printed literature** (photocopy will not be accepted) **of the product to be offered should be submitted with the tender (Technical Bid)** positively.
9. Proposed delivery schedule should be mentioned clearly.
10. **Authorized distributorship/dealership/stockiest certificate** should be provided in case of principal manufacturing company is not quoting directly.
11. **Guarantee/Warranty certificate, users manuals** etc. are required to be handed over to the user after successful commissioning of the system and before submission of final bill.
12. If holiday is declared on the due date of submission of tender, the bidders will be allowed to submit their tender on the next working day up to 3.00 pm. & the opening of the Technical bid will take place on the same day at 4.00 pm.
13. In case of any dispute, the decision of IACS authority shall be final and binding on the bidders.
14. Unless otherwise specified in the NIT, all other terms & conditions will follow the CPWD Works Manual, 2014 or GFR 2017 as applicable.
15. The authority of IACS reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Acting Registrar

Technical specification to be filled up according to the following format:

Sl. No	IACS's specification of Split type Air Conditioner	Your offered specification of Split Air Conditioner (Yes / No or Mention as applicable)
1	Tonnage Capacity - 1.0 Ton	
2	ISI Marked -	
3	Type of Split AC (High Wall Split AC)	
4	Technology of AC (Non-inverter, fixed speed)	
5	Make of AC (Mention the name of the manufacturer)	
6	BEE Rating – 5 Star	
7	Type of Compressor (Rotary)	
8	Power Supply –Single Phase, AC, 230 Volt / 50 Hz.	
9	Normal Cooling Capacity – Not less than 3000 Kcal / Hr	
10	Refrigerant Type- Eco Friendly	
11	Coil Material (Copper)	
12	Minimum length of copper pipe and suitable connecting electrical cable for installation and commissioning (3 Meter) with the AC	
13	Remote Control Hand set	
14	Warranty of AC (not less than 1 year)	
15	Warranty on Compressor (Not less than 5 years)	
16	Standard Installation, Testing and Commissioning (Inclusive)	

(Signature of the Bidder with Stamp and Date)

Technical specification to be filled up according to the following format:

Sl. No	IACS's specification of Split type Air Conditioner	Your offered specification of Split Air Conditioner (Yes / No or Mention as applicable)
1	Tonnage Capacity - 1.5 Ton	
2	ISI Marked -	
3	Type of Split AC (High Wall Split AC)	
4	Technology of AC (Non-inverter, fixed speed)	
5	Make of AC (Mention the name of the manufacturer)	
6	BEE Rating – 5 Star	
7	Type of Compressor (Rotary)	
8	Power Supply –Single Phase, AC, 230 Volt / 50 Hz.	
9	Normal Cooling Capacity – Not less than 4500 Kcal / Hr	
10	Refrigerant Type- Eco Friendly	
11	Coil Material (Copper)	
12	Minimum length of copper pipe and suitable connecting electrical cable for installation and commissioning (3 Meter) with the AC	
13	Remote Control Hand set	
14	Warranty of AC (not less than 1 year)	
15	Warranty on Compressor (Not less than 5 years)	
16	Standard Installation, Testing and Commissioning inclusive	

(Signature of the Bidder with Stamp and Date)

Technical specification to be filled up according to the following format:

Sl. No	IACS's specification of Split type Air Conditioner	Your offered specification of Split Air Conditioner (Yes / No or Mention as applicable)
1	Tonnage Capacity - 1.5 Ton	
2	Cooling in summer and Heating in Winter system type of AC	
3	ISI Marked -	
5	Type of Split AC (High Wall Split AC)	
6	Technology of AC (Non-inverter, fixed speed)	
7	Make of AC (Mention the name of the manufacturer)	
8	BEE Rating – 5 Star	
9	Type of Compressor (Rotary)	
10	Power Supply –Single Phase, AC, 230 Volt / 50 Hz.	
11	Normal Cooling Capacity – Not less than 4500 Kcal / Hr	
12	Refrigerant Type- Eco Friendly	
13	Coil Material (Copper)	
14	Minimum length of copper pipe and suitable connecting electrical cable for installation and commissioning (3 Meter) with the AC	
15	Remote Control Hand set	
16	Warranty of AC (not less than 1 year)	
15	Warranty on Compressor (Not less than 5 years)	
16	Standard Installation, Testing and Commissioning inclusive	

(Signature of the Bidder with Stamp and Date)

Technical specification to be filled up according to the following format:

Sl. No	Specification of Split type Air Conditioner	Your offered specification of Split Air Conditioner (Yes / No or Mention as applicable)
1	Tonnage Capacity - 2.0 Ton	
2	ISI Marked -	
3	Type of Split AC (High Wall Split AC)	
4	Technology of AC (Non-inverter, fixed speed)	
5	Make of AC (Mention the name of the manufacturer)	
6	BEE Rating – 5 Star	
7	Type of Compressor (Rotary)	
8	Power Supply –Single Phase, AC, 230 Volt / 50 Hz.	
9	Normal Cooling Capacity – Not less than 4500 Kcal / Hr	
10	Refrigerant Type- Eco Friendly	
11	Coil Material (Copper)	
12	Minimum length of copper pipe and suitable connecting electrical cable for installation and commissioning (3 Meter) with the AC	
13	Remote Control Hand set	
14	Warranty of AC (not less than 1 year)	
15	Warranty on Compressor (Not less than 5 years)	
16	Standard Installation, Testing and Commissioning inclusive	

(Signature of the Bidder with Stamp and Date)

PRICE BID FORMAT

NIT NO-IACS/WS/SB/AC/2017-18/119,

DT: 08-03-2018

Sl.	Description of Work	SAC/ HSN No.	Qty	Rate in Rs. Without GST	Amount in Rs. Without GST	GST %	Amount in Rs. With GST
01	Supply, installation, testing & commissioning of 1.0 TR Split Air conditioners with remote including topping up the refrigerant line with refrigerant gas etc. complete as required for Standard Installation, Testing & Commissioning of ACs.		02 Nos.				
02	Supply, installation, testing & commissioning of 1.5 TR Split Air conditioners with remote including topping up the refrigerant line with refrigerant gas etc. complete as required for Standard Installation, Testing & Commissioning of ACs.		18 Nos.				
03	Supply, installation, testing & commissioning of 1.5 TR Cooling & Heating type Split Air conditioners with remote including topping up the refrigerant line with refrigerant gas etc. complete as required for Standard Installation, Testing & Commissioning of ACs.		02 Nos.				
04	Supply, installation, testing & commissioning of 2.0 TR Split Air conditioners with remote including topping up the refrigerant line with refrigerant gas etc. complete as required for Standard Installation, Testing & Commissioning of ACs.		08 Nos.				
05	Supplying & laying of 1/2 inch x 1/ 4 inch copper pipes for 1 ton and 1,5 ton ACs & 5/ 8 inch x ¼ inch copper pipes for 2 ton ACs with nitrile rubber insulation on wall below the false ceiling portion with concealed laying or surface laying inside the room where required and clamping with aluminium saddle of proper size & interval through making 3 inch hole on wall with		114 Meter				

	necessary U-bend & filling up the hole with cement mortar & mending good damages by matching paint including scaffolding if required and lifting of units etc. complete as required.						
06	Supplying & laying of ISI marked branded 2.5 sq mm copper flexible PVC 3 core cable for 1 ton and 1.5 ton ACs and 4.0 sq mm copper flexible PVC 3 core cable for 2 ton ACs along with insulated Copper pipe sets as in sl. no.- 5 above		170 Meter				
07	Supplying & wrapping with lapping tapes all over the insulated refrigerant pipe line set starting from indoor unit to outdoor unit		204 Meter				
08	Supplying & laying with 5/8 inch PVC cotton bedded drain pipe partly concealed in the room & then open laying outside the room by saddling with aluminium saddle at proper interval up to the ground level		185 Meter				
09	Supplying & fixing of MS powder coated Bracket for fixing Outdoor Units of Split ACs		30 Pairs				
06	Supplying & fitting of 16 Amp Plug Tops with indicator ISI marked branded quality with the indoor units of ACs.		30 Nos.				
	CGST & SGST break ups CGST @ _____ % = Rs. SGST @ _____ % = Rs.			Total without GST		Total with GST	
	GST No.-						
	SAC No.-						

(Signature of the bidder with stamp and Date)