



REQUEST FOR PROPOSAL

Supply Chain Management

RFP TITLE:	YEARLY CONTRACT FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF NON-INVERTER SPLIT TYPE AIR CONDITIONERS
RFP NUMBER:	icddr,b/SCM/OTM/2020/19 dated March 12, 2020
PREBID MEETING:	March 22,2020 at 10:30AM SCM Conferences Room, Chiller Building Ground Floor
CLOSING:	2:45 pm on March 25, 2020 (Late Tenders Submission Will NOT Be Accepted)

LODGMET OF TENDERS:

By Hand:

Director, Supply Chain & Facilities Management
icddr,b
Chiller Building (Ground Floor)
68 Shaheed Tajuddin Ahmed Sarani,
Mohakhali, Dhaka 1212



CONTRACTING ENTITY:

icddr,b
68 Shaheed Tajuddin Ahmed Sharani
Mohakhali, Dhaka 1212
supplychain@icddr.org

To	Date:12 March 2020
Prospective Bidders	icddr,b/SCM/OTM/2020/19 dated March 12, 2020 for Yearly Contract for Supply, Installation, Testing And Commissioning of Non-Inverter Split Type Air Conditioner

Dear Sir / Madam

We kindly request you to submit your proposal for **Yearly Contract for Supply, Installation, Testing And Commissioning of Non-Inverter Split Type Air Conditioners** with preloaded operating system and after sales support. While preparing your quotation, please be guided by the terms and conditions of this RFQ and quotation shall be submitted in accordance with the enclosed annexure.

The Bid process will be conducted through a TWO-envelope system. Interested Bidders are requested to submit their Technical Bid separately from their Financial Bid containing price information. Bidders are requested to carefully read the following sections of RFP document where detailed instructions of the submission process are provided.

Sealed bid must be submitted on or before **25 March, 2020 COB** (Close of Business). Bid shall be addressed to:

Director, Supply Chain Management
icddr,b
68 Shaheed Tajuddin Ahmed Sarani,
Mohakhali, Dhaka-1212, Bangladesh.

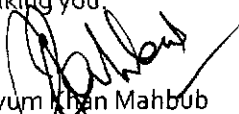
It is the Bidder's responsibility to assure compliance with the submission process. If the documentations are not marked and submitted as per the instructions, icddr,b will neither assume responsibility for the bid's misplacement or premature opening nor guarantee the confidentiality of the Bid process. Incorrect submissions might result in bid being declared invalid.

Pre-bid meeting will be held on **March 22, 2020 at 10:30 am** in SCM Conference Room, Chiller Ground Floor, icddr, b, Dhaka. The tender is to be dropped in the Tender Box, located in the tender box kept in SCM Office (Chiller Building Ground floor) at icddr,b, Mohakhali, Dhaka up to by COB on March 25, 2020. icddr,b will not accept bids after the closing deadline and as such no late bids will be accepted or recorded. **Combined technical and financial bid will be rejected.** Bid Opening session shall not be a "Public Opening".

Bid document will be available in the icddr,b website. Interested participants are requested to drop an email to supplychain@icddr.org to show their interest in the bid by Mach 22, 2020.

icddr,b looks forward to receiving your Bid and thank you in advance for your interest in icddr,b procurement opportunities. This letter is not to be construed in any way as an offer to contract with your company/institution.

Thanking you.


Qayyum Khan Mahbub
Sr. Manager, Procurement



TENDER DOCUMENT

YEARLY CONTRACT FOR SUPPLY OF AIR CONDITIONERS

Tenders are invited by icddr,b, Mohakhali, Dhaka 1212 for **Supply, Installation, Testing And Commissioning of Non-Inverter Split Type Air Conditioners** on yearly contract basis from reputed and genuine Manufacturer/ Assembler / Authorized Distributor/ Direct Importer/ Agents of the foreign principal/manufacturer, having valid trade license, minimum 5 (five) years' experience in the relevant field, established infrastructures and resources to ensure warranty and after sales services of the supplied product. **Pre-bid meeting will be held on March 22, 2020 at 10:30 am** in SCM Conference Room, IPH Ground Floor, icddr, b, Dhaka. The tender is to be dropped in the Tender Box, located in the tender box kept in SCM Office (Chiller Building Ground floor) at icddr,b, Mohakhali, Dhaka up to by **COB on March 25, 2020**.

icddr,b is not bound to accept the lowest tender response and reserves the right to accept or reject any or all of the tenders without assigning any reason whatsoever. The tender notice is also a part of the contract and binding upon the Bidders.

GENERAL TERMS AND CONDITIONS

1. Terms and Conditions contained herein shall be binding upon both the icddr,b and the Supplier for the purpose of administration and management of this tender and Contract.
2. Quotation shall be prepared and submitted using the 'Tender Document'. Tender shall be completed properly, duly signed-dated each page by the authorized signatory and submitted by the date to the office.
3. Fraud and corruption: The purchaser requires that the bidders, suppliers and suppliers observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the following are defined:

"Corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;

"Fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

"Collusive practice" means a scheme or arrangement between two or more bidders, with or without the knowledge of the purchaser, designed to establish bid prices at artificial, non competitive levels; and

"Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.

icddr,b will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.

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4. **Security Deposit** : Successful Bidder will be required to deposit security money, amounting to **Tk.1,00,000 (One lac)** only in the form of pay order/demand draft/bank guarantee obtainable from any scheduled bank of Bangladesh. The security money shall be claimed by the supplier in writing within 30 days after expiry of warranty period/contract period and will be returned to the supplier without interest.
5. **Adherence to icddr,b's Code of Conduct** : The Bidder shall ensure that his personnel adhere to the icddr,b code of conduct. Misbehavior with the officers and staff of icddr,b will not be tolerated. icddr,b reserves the right to ask the supplier to withdraw his staff for any reason whatsoever by oral or written notice. The supplier shall replace that staff / worker immediately after getting information/notice from icddr,b management.
6. **Compensation for Accidents and Damages:** From the start date of the contract, icddr,b will not be responsible for any kind of injury/accident or death of any staff of supplier while installation of AC and other related works.
7. **Offer Validity:** All Tenders must be valid for a period of at least 60 (sixty) days from the closing date of the Tender.
8. **Schedule of Rate** : Bidder shall quote rate for the items listed in **Annexure-A**. Bidder's prices shall be inclusive of supply, installation, VAT, taxes and other charges. In case of anomalies between unit prices and the total amount quoted, the unit prices shall prevail. In case of discrepancy between words and figures the former will govern. Bidder shall remain bound to accept the arithmetic corrections made by icddr,b, if any.
9. **Contract Period:** The contract will be effective from the date of awarding the contract for period of 24 (twenty four) months. The option exists to extend the contract by additional year (s) on subject to the performance of the successful supplier and at the sole discretion of icddr,b. The additional year (s) will be upon mutual contract between the supplier and icddr,b.
10. The price offered by the Bidder, if accepted, shall remain fixed for the duration of the Contract i.e. 24 months. Order will be placed as and when required basis.

11. Documentation requirement:

General /Mandatory Documents Requirement:

Sl. No.	Required Mandatory Documents	Submitted Yes/No	Remarks
1	Updated Valid Trade License		
2	Updated Tax Clearance Certificate		
3	VAT Reg. Certificate		
4	Authorized distributorship/ resellers certificate from OEM/ National Distributors		
5	Financial Capability Bank Statement/ Credit facilities (Month of bid Submission)		

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Mandatory Technical Documentation requirement:

SL. No.	Required Technical Documents	Submitted Yes/No	Remarks
1	Minimum 05 years' Experience Certificate on specific area/ similar job with client details (Organization; address, contact person & contact details, product installation site & Address etc.) from last 5 years with minimum 30 lacs		
2	All supporting documents including product catalogue, Brochure, Copy of Energy and capacity ratings certificate, technology used etc.		
3	Health Safety awareness related documentation. Description of Support Team & after sales procedure.		
4	The vendor/bidder must have its own support offices with Service Center in Dhaka		
5	Bidders should not have been blacklisted for deficiency in service by any Public Sector Bank/ Central University during the last 5 years.		

12. Evaluation


12.1 General Evaluation

12.2 Technical Evaluation

12.3 Financial Evaluation (if 12.1 and 12.2 qualify)

Evaluation Criteria	Description	Score	Remarks
General Evaluation	General /Mandatory Documents Requirement	Yes/ No	Qualified/ Non-Qualified
Technical Evaluation	1. Technical specification (attached) 2.Mandatory Technical Documentation requirement comparison	Yes/ No	Qualified/ Non-Qualified
Financial Evaluation	Price Offer/Bids		Lowest Price

Note: The SEC shall firstly examine the Tenders to confirm that all Required Mandatory Documents and Technical requirement have been provided in order to ensure compliance issue, adequacy and authenticity of the documentary evidence as per Document.

Offer will be awarded on the basis of quoted amount of the successful Bidder. During the evaluation period or at any time after opening of the tender, the Bidder may ask to submit cost analysis of all or any items and the said Bidder is bound to submit the same within requested time period.

13. **Bid Prices:** The Bidder shall quote the price based on **Local delivery** basis and Prices shall be quoted in **Bangladesh Taka**.
14. **Delivery:** Delivery of Air Conditioners shall be completed within 05 (five) working days from the date of issuing the Purchase Order at icddr,b premises or as indicated in the Purchase order. However, the supplier may need to handle delivery of Ac's in lesser period (within 24 hour) in case of emergency situation, which shall be given of equal importance by the supplier. The Supplier may be entitled to an extension of the Delivery Schedule for any other reasons acceptable to the icddr,b on justifiable grounds duly recorded.
15. **Warranty:** Two Years warranty shall be given to the entire unit of air-conditioner including all kind of spare parts and services. The supplier shall submit the duly filled-in stamped Manufacturer's Warranty cards with service log sheet and hand over the same to the relevant unit after Installation. Warranty period shall be counted from the date of installation and acceptance of the units. The supplier shall warrant that the goods to be supplied shall be new, unused and defect free and QC passed. Any goods found security seal in broken condition, or without QC passed sticker shall not be accepted and returned.
16. **Installation:** The supplied Goods shall be installed, tested and commissioned by the supplier. Installation shall be done with material including standard copper pipe up to 20 feet with insulation & cables, outdoor/indoor unit painted Iron angel base/SS frame, Making of AC water surface drainage line with upvc pipe and insulation up to 20 feet and others necessary materials shall be provided by the supplier. Standard installation procedure should be maintained by the supplier. In some cases outdoor unit Iron angle base may need necessary modification as per instruction of engineer. The supplier will bare all kinds of installation/testing/Angle Modification/commissioning cost. If any additional copper pipe, insulation, cables and concealed/surface drain line needed to be quoted separately. Installation shall be completed by company skilled technicians following safety rules/ Code of conduct as applicable.
17. **Service:** Periodical servicing should be provided for 24 months from the date of installation of air conditioner. Periodic servicing shall be conducted quarterly in year. Successful supplier should maintain a service and troubleshooting log sheet after installation of AC. Servicing Include cleaning of Ac filters, Indoor runner, Cooling coil, outdoor unit, condensing coil and others as per instruction of icddr,b engineer.

The suppliers representative shall have to be available at site in within 2 hours after getting information from the icddr,b authorized engineer by phone/SMS/E-mail for any kinds of troubleshooting /service 24/7 days. Skill technician and best quality tools and spares must be use for repair and servicing and there will be no cost charging up to warranty period

18. **Quality and Test:** All supplies under the Contract shall at all times be open to examination, inspection and testing of the icddr,b or his/her authorized representative. icddr,b shall check and verify the delivery made by the Supplier in conformity with the Technical Specifications and notify the Supplier of any Defects found. If the Goods are found to be defective or otherwise not in accordance with the





specifications, the icddr,b may reject the supplies by giving due notice to the Supplier, with reasons. Any goods rejected, shall be replaced by the supplier within 02 days at it's own cost.

19. **Payment terms:** Payment for the contract will be made to the service provider within 30 (thirty) days after completion/ installation work certified by competent authority/ User of icddr,b through BEFTN.

20. **Penalty :** If successful supplier does not carry out the supply within the time stipulated in the purchase orders or within the approved extended time or supplies proven poor quality materials or attempt to supply poor quality materials or repeating attempt of supply of poor quality materials (wherever applicable). Then liquidity damage shall be imposed 0.1% per day of the value of undelivered products but not more than 10% of the Purchase order value.

If successful supplier does not carry out proper repair/ troubleshooting and servicing with in the time mentioned service clause or within the approved extended time or to fixed /repair poor quality materials then liquidity damage shall be imposed also of the value/2000/=(which higher) from deposited money.

21. The Supplier shall keep the icddr,b harmless and indemnify from any claim, loss of property or life to himself/herself, his/her workmen or staff, any staff of the icddr,b or any third party while delivering the Goods and related services. Any claim arising out of delivery of Goods and related services shall be settled by the Supplier at his/her own cost and responsibility.

22. No modification to Scope of Supply shall be permissible under any circumstances. However, any changes/ modification is required must be notified by written to icddr,b and icddr,b's decision is final in this regard.

23. icddr,b may, by written Notice sent to the Supplier, terminate the Contract in whole or in part at any time, if the Supplier:

- a. Fails to deliver Goods and related services as per Delivery Schedule and Specifications.
- b. in the judgement of the icddr,b, has engaged in any corrupt, fraudulent, collusive or coercive practices in competing for or in delivery of goods and related services.
- c. Fails to perform any other obligation(s) under the Contract.
- d. To any misconduct with staff of icddr,b(Code of conduct)

28. **Termination of Contract Agreement:** Either party reserves the right to terminate the contract by giving 2 (Two) months notice in writing after settlement of all outstanding issues related to the contract. Supplies of inferior quality materials or extreme delay in supply/service within the scheduled period or approved extension time, will lead to write "letter of complaint". Repetitions of similar activities will cause issuance of warning letter which may lead to termination of the contract, if require.

29. **Settlement of Disputes :**

- i) **Amicable settlement:** icddr,b and the Supplier shall use their best efforts to settle amicably all possible disputes arising out of or in connection with this Contract or its interpretation.

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I/We declare to supply Goods and related services offered by me/us fully in compliance with the Technical /Financial and Standards mentioned hereinabove

Declaration :

We do hereby accept the above terms and conditions of the tender document.

We have read and understood the technical specifications of the goods.

We also declare that we are liable to bear any cost regarding supply of inferior quality goods and its impact, if any.

Signature of Tenderer:

Full name of Tenderer:

Name of organization:

Address:

.....

Phone: E-mail:.....

Note:

1. Technical Specifications of the Goods and related services shall be in compliance with the icddr,b requirements specified in this document. Bidder is required to mention make / model (as applicable) of the Goods offered and must attach the appropriate original printed literature / brochures for the listed items.
2. In support of energy star rating, if any, Bidder may submit certificate from an internationally recognized organization along with the tender.

Annexure-A



Yearly Contract for Supply, Installation, Testing And Commissioning of Non-Inverter Split Type Air Conditioners

RFP Number: icddr,b/SCM/OTM/2020/19, Dated: March 12, 2020

Price Schedule for Goods and Related Services

Lot no.	Description of Items	Unit	Unit Price (Tk.)	
			In figure	In words
A.	Split Type Wall Mountable Non-Inverter Air Conditioner :			
1	12000 BTU- 1.0 Ton	each		
2	18000 BTU- 1.5 Ton	each		
3	24000 BTU- 2.0 Ton	each		
4	30000 BTU- 2.5 Ton	each		
B.	Split Type Ceiling Mountable Non-Inverter AC :			
1	36000 BTU- 3.0 Ton	each		
2	45000-48000 BTU- 3.75 - 4.0 Ton	each		
3	54000- 60000 BTU- 4.5 - 5.0 Ton	each		
C.	Cassette Type Non-Inverter AC :			
1	24000 BTU- 2 Ton	each		
2	30000 BTU- 2.5 Ton	each		
3	36000 BTU- 3 Ton	each		
4	45000-48000 BTU- 3.75 - 4.0 Ton	each		
5	54000- 60000 BTU- 4.5 - 5.0 Ton	each		
G.	Delivery charge for outside of Dhaka	each		

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H.	Additional copper pipe, including insulation & cable for 1.0 TR to 2.5 TR	RFT		
I.	Additional copper pipe, including insulation & cable for 3.0 TR to 5.0 TR	RFT		
J	Additional surface Drain Line works with u-pvc pipe, Rubber insulation, saddle and necessary materials	RFT		
K	Drain Line Concealed works with u-pvc pipe, civil works with necessary materials.	RFT		

Signature of Bidder with Seal	Date: dd/mm/yy
Name of Bidder	

Notes:

1. Delivery Location icddr, b, Mohakhali, Dhaka-1212 or the location specified in the Purchase order.
2. Rates or Prices shall include profit and overhead and, all kinds of VAT, taxes, duties, fees, levies, and other charges earlier paid or to be paid under the Applicable Law, if the Contract is awarded; including transportation, insurance etc. whatsoever up to the point of delivery of Goods and related services in all respects to the satisfaction of the Procuring Entity.
3. Warranty period shall be reckoned from the date of installation and acceptance of the units







Technical Specification

Annexure-A

International Centre for Diarrhoeal Diseases Research, Bangladesh (icddr, b)
 RFP Ref: icddr, b/SCM/OTM/2020/19 dated March 12, 2020

Technical Specification of Supply, installation, Testing and Commissioning of Non-Inverter Air conditioners and Related Works at icddr, b, Dhaka

Lot- A. Split Type Wall Mountable Air Conditioner :

SI No	Items	icddr, b requirement	To be filled by Supplier	Remarks
1	Type	Non Inverter Split Type Wall Mountable Air Conditioner		
2	Capacity	12000 BTU / Hr (01 TR)		
3	Brand			
4	Model			
5	Country of origin	(except China)		
6	Country of Manufacture/Assemble	(except China)		
7	Operating outdoor unit temperature	upto 42 C		
8	Sound Level @ 01' (one) Meter distance	Upto 60 dB(A)		
9	Compressor type	Scroll/Reciprocating		
10	Auto Restart	Auto restart After power back.		
11	Remote control	Wireless		
12	Power Type	AC 220V-230V, 50 HZ		
13	Power Consumption at full load (KW)	1.2-1.3		
14	Phase	1- Phase		
15	Refrigerant Pipe/Coil	Pure Copper		
16	Air filter	G4 washable/ Electrostatic		
17	Air Flow Speed	Hi, low, Medium & Auto		
18	Indoor Air Direction/Swing	04 Way		
19	Out door Weight in Kg	Minimum 32		
20	Refrigerant Type(CFC Free)	R-410a/404 a/404c/134a		
21	Certification	BUET/IUT/MIST		
22	Copper Pipe & other accessories for installation	06 mtr copper pipe, iron/MS angle (painted), Rubber Insulation, royal bolt internal wiring wire etc.		
23	Warranty /after sales service	warranty of 2 years for compressor, spare parts and services for 24/7 hours support during the warranty period.		

SI No	Items	icddr, b Requirement	To be filled by Supplier	Remarks
1	Type	Non Inverter Split Type Wall Mountable Air Conditioner		
2	Capacity	18000 BTU/Hr (1.5 TR)		
3	Brand			
4	Model			
5	Country of origin	(except China)		

Technical Specification

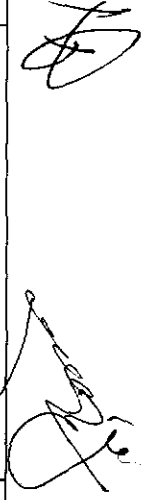
Annexure-A

International Centre for Diarrhoeal Diseases Research, Bangladesh (icddr,b)
RFP Ref: icddr,b/SCM/OTM/2020/19 dated March 12, 2020

Technical Specification of Supply, installation, Testing and Commissioning of Non-Inverter Air conditioners and Related Works at icddr, b, Dhaka

Lot- A. Split Type Wall Mountable Air Conditioner :

SI No	Items	icddr, b requirement	To be filled by Supplier	Remarks
6	Country of Manufacture/Assemble	(except China)		
7	Operating outdoor unit temperature without capacity losses	upto 42 C		
8	Sound Level @ 01' (one) Meter distance	Upto 60 dB(A)		
9	Compressor type	Scroll/Reciprocating		
10	Auto Restart	Auto restart After power back.		
11	Remote control	Wireless		
12	Power Type	AC 220V-230V, 50 HZ		
13	Power Consumption at full load (KW)	1.5-1.9		
14	Phase	1- Phase		
15	Refrigerant Pipe/Coil	Pure Copper		
16	Air filter	G4 washable/ Electrostatic		
17	Air Flow Speed	Hi, low, Medium & Auto		
18	Indoor Air Direction/Swing	04 Way		
19	Out door Weight in Kg	Minimum 45kg		
20	Refrigerant Type(CFC Free)	R-410a/404 a/404c/134a		
21	Certification	BUE7/UL7/MIST		
22	Copper Pipe & other accessories for installation	06 mtr copper pipe, iron/MS angle (painted), Rubber Insulation, royal bolt internal wiring wire etc.		
23	Warranty /after sales service	warranty of 2 years for compressor, spare parts and services for 24/7 hours support during the warranty period.		
SI No	Items	icddr, b Requirement	To be filled by Supplier	Remarks
1	Type	Non Inverter Split Type Wall Mountable Air Conditioner		
2	Capacity	24000 BTU/HR (02TR)		
3	Brand			
4	Model			
5	Country of origin	(except China)		
6	Country of Manufacture/Assemble	(except China)		
7	Operating outdoor unit temperature without capacity losses	upto 42 C		
8	Sound Level @ 01' (one) Meter distance	Upto 60 dB(A)		
9	Compressor type	Scroll/Reciprocating		
10	Auto Restart	Auto restart After power back.		
11	Remote control	Wireless		
12	Power Type	AC 220V-230V, 50 HZ		




Technical Specification

Annexure-A

International Centre for Diarrhoeal Diseases Research, Bangladesh (icddr, b)

RFP Ref: icddr, b/SCM/OTM/2020/19 dated March 12, 2020

Technical Specification of Supply, installation, Testing and Commissioning of Non-Inverter Air conditioners and Related Works at icddr, b, Dhaka

Lot- A. Split Type Wall Mountable Air Conditioner :

SI No	Items	icddr, b requirement	To be filled by Supplier	Remarks
13	Power Consumption at full load (KW)	2.2-2.7		
14	Phase	1- Phase		
15	Refrigerant Pipe/Coil	Pure Copper		
16	Air filter	G4 washable/ Electrostatic		
17	Air Flow Speed	Hi, low, Medium & Auto		
18	Indoor Air Direction/Swing	04 Way		
19	Out door Weight in Kg	Minimum 58		
20	Refrigerant Type(CFC Free)	R-410a/404 a/404c/134a		
21	Certification	BUET/IUT/MIST		
22	Copper Pipe & other accessories for installation	06 mtr copper pipe, iron/MS angle (painted), Rubber Insulation, royal bolt internal wiring wire etc.		
23	Warranty /after sales service	warranty of 2 years for compressor, spare parts and services for 24/7 hours support during the warranty period.		
SI No	Items	icddr, b Requirement	To be filled by Supplier	Remarks
1	Type	Non Inverter Split Type Wall Mountable Air Conditioner		
2	Capacity	30000 BTU/HR (2.5TR)		
3	Brand			
4	Model			
5	Country of origin	(except China)		
6	Country of Manufacture/Assemble	(except China)		
7	Operating outdoor unit temperature without capacity losses	upto 42 C		
8	Sound Level @ 01'(one) Meter distance	Upto 60 dB(A)		
9	Compressor type	Scroll/Reciprocating		
10	Auto Restart	Auto restart After power back.		
11	Remote control	Wireless		
12	Power Type	AC 220V-230V, 50 HZ		
13	Power Consumption at full load (kW)	2.6-3.1		
14	Phase	1- Phase		
15	Refrigerant Pipe/Coil	Pure Copper		
16	Air filter	G4 washable/ Electrostatic		
17	Air Flow Speed	Hi, low, Medium & Auto		
18	Indoor Air Direction/Swing	04 Way		
19	Out door Weight in Kg	Minimum 70		
20	Refrigerant Type(CFC Free)	R-410a/404 a/404c/134a		
21	Certification	BUET/IUT/MIST		

(Signature)

(Signature)

Technical Specification

Annexure-A

International Centre for Diarrhoeal Diseases Research, Bangladesh (icddr, b)

RFP Ref: icddr, b/SCM/OTM/2020/19 dated March 12, 2020

Technical Specification of Supply, installation, Testing and Commissioning of Non-Inverter Air conditioners and Related Works at icddr, b, Dhaka

Lot- A. Split Type Wall Mountable Air Conditioner :

SI No	Items	icddr, b requirement	To be filled by Supplier	Remarks
22	Copper Pipe & other accessories for installation	06 mtr copper pipe, iron/MS angle (painted), Rubber Insulation, royel bolt internal wiring wire etc.		
23	Warranty /after sales service	Warranty of 2 years for compressor, spare parts and services for 24/7 hours support during the warranty period.		

Signature of Tenderer:

Full name of Tenderer:

Name of Firm/company:

Address:

Phone: E-mail:

Trade license No:..... VAT Rgn. No:.....

Technical Specification

Annexure-A

International Centre for Diarrhoeal Diseases Research, Bangladesh (icddr,b)
RFP. Ref: icddr,b/SCM/OTM/2020/19 dated March 12, 2020

Technical Specification of Supply, installation, Testing and Commissioning of Non-Inverter Air conditioners and Related Works at icddr,b, Dhaka

Lot- B. Split Type Ceiling Mountable Air Conditioner :

SI No	Items	icddr,b Requirement	To be filled by Supplier	Remarks
1	Type	Non Inverter Ceiling Mounted Type Split Air Conditioner		
2	Capacity	36000 BTU/Hr (03TR)		
3	Brand			
4	Model			
5	Country of origin	(except China)		
6	Country of Manufacture/Assemble	(except China)		
7	Operating outdoor unit temperature	upto 42 C		
8	Sound Level @ 01'(one) Meter distance	Upto 60 dB(A)		
9	Compressor type	Scroll/Reciprocating		
10	Auto Restart	Auto restart After power back.		
11	Remote control	Wireless		
12	Power Type	AC 380V-400V, 50 HZ		
13	Power Consumption at full load (KW)	3.6-4.6		
14	Phase	3- Phase		
15	Refrigerant Pipe/Coil	Pure Copper		
16	Pressure Cut out	High/low pressure cut out		
17	Air Flow Speed	Hi, low,Medium & Auto		
18	Air filter	G4 washable/ Electrostatic		
19	Indoor Air Direction/Swing	04 Way		
20	Out door Weight in kg	Minimum 85		
21	Refrigerant Type(CFC Free)	R-410a/404 a/4o4c/134a		
22	Certification	BUET/IUT/MIST		
23	Copper Pipe & other accessories for installation	06 mtr copper pipe, iron/MS angle (painted), Rubber Insulation, royl bolt internal wiring wire etc.		
24	Warranty /after sales service	warranty of 2 years for compressor, spare parts and services for 24/7 hours support during the warranty period.		
SI No	Items	icddr,b Requirement	To be filled by Supplier	Remarks
1	Type	Non Inverter Ceiling Mounted Type Split Air Conditioner		
2	Capacity	45000-48000 BTU/Hr (3.75-4.0TR)		
3	Brand			
4	Model			
5	Country of origin	(except China)		
6	Country of Manufacture/Assemble	(except China)		

Technical Specification

Annexure-A

International Centre for Diarrhoeal Diseases Research, Bangladesh (icddr, b)
RFP. Ref: icddr.b/SCM/OTM/2020/19 dated March 12, 2020

Technical Specification of Supply, Installation, Testing and Commissioning of Non-Inverter Air conditioners and Related Works at icddr, b, Dhaka

Lot-B: Split Type Ceiling Mountable Air Conditioner :		icddr, b requirement	To be filled by Supplier	Remarks
SI No	Items			
7	Operating outdoor unit temperature without capacity losses	upto 42 C		
8	Sound Level @ 01' (one) Meter distance	Upto 60 dB(A)		
9	Compressor type	Scroll/Reciprocating		
10	Auto Restart	Auto restart After power back.		
11	Remote control	Wireless		
12	Power Type	AC 380V-400V, 50 HZ		
13	Power Consumption at full load (KW)	3.9-4.9		
14	Phase	3- Phase		
15	Refrigerant Pipe/Coil	Pure Copper		
16	Pressure Cut out	High/low pressure cut out or bath.		
17	Air Flow Speed	Hi, low, Medium & Auto		
18	Air filter	G4 washable/ Electrostatic		
19	Indoor Air Direction/Swing	04 Way		
20	Out door Weight in kg	Minimum 95		
21	Refrigerant Type(CFC Free)	R-410a/404 a/404c/134a		
22	Certification	BUET/IUT/MIST		
23	Copper Pipe & other accessories for installation	06 mtr copper pipe, iron/MS angle (painted), Rubber Insulation, royel bolt internal wiring wire etc.		
24	Warranty /after sales service	warranty of 2 years for compressor, spare parts and services for 24/7 hours support during the warranty period.		
SI No	Items	icddr, b Requirement	To be filled by Supplier	Remarks
1	Type	Non Inverter Ceiling Mounted Type Split Air Conditioner		
2	Capacity	54000-60000BTU/Hr (4.5-5.0TR)		
3	Brand			
4	Model			
5	Country of origin	(except China)		
6	Country of Manufacture/Assemble	(except China)		
7	Operating outdoor unit temperature without capacity losses	upto 42 C		
8	Sound Level @ 01' (one) Meter distance	Upto 60 dB(A)		
9	Compressor type	Scroll/Reciprocating		
10	Auto Restart	Auto restart After power back.		

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Technical Specification

Annexure-A

International Centre for Diarrhoeal Diseases Research, Bangladesh (icddr, b)
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Technical Specification of Supply, Installation, Testing and Commissioning of Non-Inverter Air Conditioners and Related Works at icddr, b, Dhaka

Sl No	Items	icddr, b Requirement	To be filled by Supplier	Remarks
11	Remote control	Wireless		
12	Power Type	AC 380V-400V, 50 HZ		
13	Power Consumption at full load (KW)	4.6-5.6		
14	Phase	3- Phase		
15	Refrigerant Pipe/Coil	Pure Copper		
16	Pressure Cut out	High/low pressure cut out		
17	Air Flow Speed	Hi, low, Medium & Auto		
18	Air filter	G4 washable/ Electrostatic		
19	Indoor Air Direction/Swing	04 Way		
20	Out door Weight in kg	Minimum 105		
21	Refrigerant Type(CFC Free)	R-410a/404 a/404c/134a		
22	Certification by	BUET/IUT/MIST		
23	Copper Pipe & other accessories for installation	06 mtr copper pipe, iron/MS angle (painted), Rubber Insulation, royal bolt internal wiring wire etc.		
24	Warranty /after sales service	warranty of 2 years for compressor, spare parts and services for 24/7 hours support during the warranty period.		

Signature of Tenderer:

Full name of Tenderer:

Name of Firm/company:

Address:

Phone: E-mail:

Trade license No: VAT Rgn. No:

Technical Specification

Annexure-A

International Centre for Diarrhoeal Diseases Research, Bangladesh (icddr, b)
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Technical Specification of Supply, installation, Testing and Commissioning of Non-Inverter Air conditioners and Related Works at icddr, b, Dhaka

Lot- C. Cassette Type Split Air Conditioner :

SI No	Items	icddr, b Requirement	To be filled by Supplier	Remarks
1	Type	Non Inverter Casset Type Split Air Conditioner		
2	Capacity	24000 BTU/Hr (Q2TR)		
3	Brand			
4	Model			
5	Country of origin	(except China)		
6	Country of Manufacture/Assemble	(except China)		
7	Operating outdoor unit temperature	upto 42 C		
8	Sound Level @ 01' (one) Meter distance	Upto 60 dB(A)		
9	Compressor type	Scroll/Reciprocating		
10	Auto Restart	Auto restart After power back.		
11	Remote control	Wireless		
12	Power Type	AC 220V-230V, 50 HZ		
13	Power Consumption at full load (kW)	2.5-2.9		
14	Phase	1- Phase		
15	Refrigerant Pipe/Coil	Pure Copper		
16	Air filter	G4 washable/ Electrostatic		
17	Air Flow Speed	Hi, low, Medium & Auto		
18	Indoor Air Direction/Swing	04 Way		
19	Water Drainage system	By Drain Pump of 10 meter distance		
20	Out door Weight	Minimum 62		
21	Refrigerant Type(CFC Free)	R-410a/404 a/404c/134a		
22	Certification	BUJET/IUT/MIST		
23	Copper Pipe & other accessories for installation	06 mtr copper pipe, iron/Ms angle (painted), Rubber Insulation, royal bolt internal wiring wire etc.		
24	Warranty /after sales service	warranty of 2 years for compressor, spare parts and services for 24/7 hours support during the warranty period.		
SI No	Items	icddr, b Requirement	To be filled by Supplier	Remarks
1	Type	Non Inverter Casset Type Split Air Conditioner		

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International Centre for Diarrhoeal Diseases Research, Bangladesh (icddr,b)
RFP. Ref: icddr,b/SCM/OTM/2020/19 dated March 12, 2020

Technical Specification of Supply, Installation, Testing and Commissioning of Non-Inverter Air conditioners and Related Works at icddr, b, Dhaka

Lot- C. Cassette Type Split Air Conditioner :

SI No	Items	icddr,b Requirement	To be filled by Supplier	Remarks
2	Capacity	30000 BTU/Hr (03TR)		
3	Brand			
4	Model			
5	Country of origin	(except China)		
6	Country of Manufacture/Assemble	(except China)		
7	Operating outdoor unit temperature	upto 42 C		
8	Sound Level @ 01' (one) Meter distance	Upto 60 dB(A)		
9	Compressor type	Scroll/Reciprocating		
10	Auto Restart	Auto restart After power back.		
11	Remote control	Wireless		
12	Power Type	AC 220V-230V, 50 HZ		
13	Power Consumption at full load (KW)	3.2-4.3		
14	Phase	1- Phase		
15	Refrigerant Pipe/Coil	Pure Copper		
16	Air filter	G4 washable/ Electrostatic		
17	Air Flow Speed	Hi, low, Medium & Auto		
18	Indoor Air Direction/Swing	04 Way		
19	Water Drainage system	By Drain Pump of 10 meter distance		
20	Out door Weight	Minimum 72		
21	Refrigerant Type(CFC Free)	R-410a/404 a/404c/134a		
22	Certification	BUEY/IUT/MIST		
23	Copper pipe & other accessories for installation	06 mtr copper pipe, iron/MS angle (painted), Rubber Insulation, royal bolt internal wiring wire etc.		
24	Warranty /after sales service	warranty of 2 years for compressor, spare parts and services for 24/7 hours support during the warranty period.		
SI No	Items	icddr,b Requirement	To be filled by Supplier	Remarks
1	Type	Non Inverter Casset Type Split Air Conditioner		
3	Brand			
4	Model			
5	Country of origin	(except China)		
6	Country of Manufacture/Assemble	(except China)		

Technical Specification

International Centre for Diarrhoeal Diseases Research, Bangladesh (icddr, b)
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Technical Specification of Supply, installation, Testing and Commissioning of Non-Inverter Air conditioners and Related Works at icddr, b, Dhaka

Lot- C. Cassette Type Split Air Conditioner :

SI No	Items	icddr, b Requirement	To be filled by Supplier	Remarks
7	Operating outdoor unit temperature	upto 42 C		
8	Sound Level @ 01' (one) Meter distance	Upto 60 dB(A)		
9	Compressor type	Scroll/Reciprocating		
10	Auto Restart	Auto restart After power back.		
11	Remote control	Wireless		
12	Power Type	AC 380V-400V, 50 HZ		
13	Power Consumption at full load (KW)	3.7-4.4		
14	Phase	3- Phase		
15	Refrigerant Pipe/Coil	Pure Copper		
16	Pressure Cut out	High/low pressure cut out		
17	Air Flow Speed	Hi, low, Medium & Auto		
18	Air filter	G4 washable/ Electrostatic		
19	Indoor Air Direction/Swing	04 Way		
20	Water Drainage system	By Drain Pump of 10 meter distance		
21	Out door Weight in kg	Minimum 85		
22	Refrigerant Type(CFC Free)	R-410a/404 a/404c/134a		
23	Certification	BUET/IUT/MIST		
24	Copper Pipe & other accessories for installation	06 mtr copper pipe, iron/MS angle (painted), Rubber Insulation, royel bolt internal wiring wire etc.		
25	Warranty /after sales service	warranty of 2 years for compressor, spare parts and services for 24/7 hours support during the warranty period.		
SI No	Items	icddr, b Requirement	To be filled by Supplier	Remarks
1	Type	Non Inverter Casset Type Split Air Conditioner		
2	Capacity	45000-48000 BTU/Hr (03.75-04TR)		
3	Brand			
4	Model			
5	Country of origin	(except China)		
6	Country of Manufacture/Assemble	(except China)		
7	Operating outdoor unit temperature without capacity losses	upto 42 C		
8	Sound Level @ 01' (one) Meter distance	Upto 60 dB(A)		
9	Compressor type	Scroll/Reciprocating		
10	Auto Restart	Auto restart After power back.		
11	Remote control	Wireless		
12	Power Type	AC 380V-400V, 50 HZ		
13	Power Consumption at full load (KW)	4.5-5.3		

Technical Specification

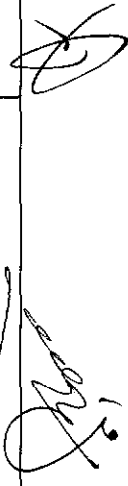
Annexure-A

International Centre for Diarrhoeal Diseases Research, Bangladesh (icddr,b)
RFP Ref: icddr,b/SCM/OTM/2020/19 dated March 12, 2020

Technical Specification of Supply, installation, Testing and Commissioning of Non-Inverter Air conditioners and Related Works at icddr,b, Dhaka

Lot- C. Cassette Type Split Air Conditioner :

SI No	Items	icddr,b Requirement	To be filled by Supplier	Remarks
14	Phase	3- Phase		
15	Refrigerant Pipe/Coil	Pure Copper		
16	Pressure Cut out	High/low pressure cut out		
17	Air Flow Speed	Hi, low, Medium & Auto		
18	Air filter	G4 washable/ Electrostatic		
19	Indoor Air Direction/Swing	04 Way		
20	Water Drainage system	By Drain Pump of 10 meter distance		
21	Out door Weight in kg	Minimum 95		
22	Refrigerant Type(CFC Free)	R-410a/404 a/4o4c/134a		
23	Certification	BUET/IUT/MIST		
24	Copper Pipe & other accessories for installation	06 mtr copper pipe, iron/MS angle (painted), Rubber Insulation, royal bolt internal wiring wire etc.		
25	Warranty /after sales service	warranty of 2 years for compressor, spare parts and services for 24/7 hours support during the warranty period.		
SI No	Items	icddr,b Requirement	To be filled by Supplier	Remarks
1	Type	Non Inverter Casset Type Split Air Conditioner		
2	Capacity	54000-60000 BTU/Hr (4.5-5.0TR)		
3	Brand			
4	Model			
5	Country of origin	(except China)		
6	Country of Manufacture/Assemble	(except China)		
7	Operating outdoor unit temperature without capacity losses	upto 42 C		
8	Sound Level @ 01'(one) Meter distance	Upto 60 dB(A)		
9	Compressor type	Scroll/Reciprocating		
10	Auto Function	Auto restart After power back.		
11	Remote control	Wireless		
12	Power Type	AC 380V-400V, 50 HZ		
13	Power Consumption at full load (KW)	5.0-6.0		
14	Phase	3- Phase		
15	Refrigerant Pipe/Coil	Pure Copper		
16	Pressure Cut out	High/low pressure cut out		
17	Air Flow Speed	Hi, low, Medium & Auto		
18	Air filter	G4 washable/ Electrostatic		
19	Indoor Air Direction/Swing	04 Way		
20	Water Drainage system	By Drain Pump of 10 meter distance		
21	Out door Weight in kg	Minimum 105		




Technical Specification

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Annexure-A

Technical Specification of Supply, installation, Testing and Commissioning of Non-Inverter Air conditioners and Related Works at icddr, b, Dhaka

Lot- C. Cassette Type Split Air Conditioner :

SI No.	Items	icddr, b Requirement	To be filled by Supplier	Remarks
22	Refrigerant Type(CFC Free)	R-410a/404 a/4c4c/134a		
23	Certification	BUET/IJUT/MIST		
24	Copper Pipe & other accessories for installation	06 mtr copper pipe, iron/MS angle (painted), Rubber Insulation, royal bolt internal wiring wire etc.		
25	Warranty /after sales service	warranty of 2 years for compressor, spare parts and services for 24/7 hours support during the warranty period.		

Signature of Tenderer:

Full name of Tenderer:

Name of Firm/company:

Address:

Phone: E-mail:

Trade license No:..... TIN No:..... VAT Rgn. No:.....