PURCHASING DEPARTMENT

دائـــــرة المشتريـــــات

1902 AUBMC
AMERICAN UNIVERSITY of BEIRUT MEDICAL CENTER
المركز الطبي في الجامعة الأميركية في بيروت

Ref.: RE18-28 (VRF for Biochemical Genetics - ASHA)
Date: Nov 15, 2018

Invitation to BID

Purpose:

The **American University of Beirut Medical Center** invites proposals to bid for the following:
Item: VRF for Biochemical Genetics – ASHA
Brand:

1- **Mitsubishi Diaya Heavy Industry** for the VRF
2- MERV filters being **Camfil Farr**).

Qty: 1
As per Specs - list attached

N.B: a - Items should be of U.S. origin and make and imported directly from the U.S.A. or any Trade Free Zone in a non-U.S. country of the free world.
b – Items should be covered by a valid approval letter from the Food and Drug Administration (FDA) Copy of the above documents should be included with your Technical Offer

Proposal Requirements:

1. Prices must be quoted in **US $** or **Euro** and include freight to Inwood, NY 11096
2. Proposal must mention the Gross weight, Gross Dimensions, and HS Code of the item(s).
3. Proposals must be inclusive of all expenses (unless otherwise specified in your proposal).
4. Prices should be quoted net of any discounts or allowances and exclusive of VAT
5. All proposal documents must be signed by an authorized representative of the supplier, each page must be initialed and the final page must be signed and dated.
6. Quotations related to above bid must be submitted in the following manner:

   a. Technical Specs and related brochures (without prices) in one document.
   b. Financial Proposal in a separate document
   c. Failure to segregate technical file from financial file will lead to disqualification of supplier from the bid.

Submission Deadline Date and Venue:

Proposals must be submitted on or before: **January 7, 2018** Monday to Friday: 8:00 a.m. till 5:00 p.m. to the following address:

By e mail to: medbids@aub.edu.lb (Please do NOT CC anyone)

Or as a hard copy to be delivered to the following address before the deadline:
American University of Beirut – Medical Center
Ref # RE18-28 (VRF for Biochemical Genetics - ASHA)
MAB Building, 6th Floor, Room 605
Souraty Street, Hamra
Beirut, Lebanon

No bids are accepted after the above mentioned date, in the event that AUB offices are officially closed on the date the proposals are due, the deadline for submission shall be automatically extended until the next business day

All Proposals shall be submitted in a sealed envelope carrying:

b. Supplier's stamp
c. Bid Reference
d. Company's name

BLISS STREET - P.O. BOX 11-0236 - BEIRUT - LEBANON - TEL (961 1 350000 - EXT. 2200) FAX (961 1 744463) – http://www.aub.edu.lb - purchasingmc@aub.edu.lb
NEW YORK OFFICE: 3 DAG HAMMARSKJOLD PLAZA, 8TH FLOOR, NEW YORK, NY 10017-2303 U.S.A. - TEL. (1 212 583 7600) FAX (1 212 583 7650)

N.B: Bids submitted by fax or erroneously sent directly to Procurement department will not be considered or even acknowledged

Apology:
In case the requested items are not available, or you do not want to participate in this bid, you are kindly requested to respond by submitting a written apology indicating the reason and the bid reference number or you can send an apology by e-mail.

Payment:
AUB payment term is 100% "prepaid" (unless otherwise agreed upon).

Insufficient Data:
It is the responsibility of the person submitting the proposal to ensure the completeness of the information submitted. Failure to do so may result in the elimination of the proposal from consideration.

Costs:
The university will not be liable for any costs incurred by Suppliers for developing the proposal, performing presentations or demonstrations, and any other expenses incurred by the Suppliers before the award and contract signature

Disclosure:
Supplier represents and certifies that the offer has not been knowingly disclosed directly or indirectly to any competitor or AUB staff or other supplier before the opening of proposals by AUB. Supplier represent and certifies that the financial terms have been established independently without consultation, communication, or agreement for the purpose of restricting competition or any matter relating to such prices with any competitor or other supplier. Supplier represents and certifies that no attempt has been made to induce any other company or person to submit or not to submit a proposal in response to this RFP for the purpose of restricting competition.

Proposal award policy:
The University reserves the right to reject any or all proposals and to award this tender in whole or in part to the supplier or suppliers that, in its opinion, offers the most advantageous combination of cost, quality, service and other factors which in its sole discretion are deemed important to the University.
AUBMC may accept or reject any or all bids and shall not be required to provide justification for any such selection or rejection. AUBMC may also cancel this invitation to bid at any stage, whether before or after the selection of the successful bidder (but prior to signature of the contract) without having to provide any justification and without incurring any liability whatsoever as a result thereof.

Validity:
Proposals submitted shall be valid for at least **6 Months** from the date of submission. Proposals will be treated as final and binding offers and may not be amended or withdrawn

Rania Mteirek
Director of Procurement, AUBMC
Cc. Medical bids / Internal Auditor

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PLUMBING AND MECHANICAL ENGINEERING INSTALLATIONS

All works shall be complete as specified, as shown on the drawings and to the approval of the Engineer.

A. Pipe work lengths measured are mean lengths as fixed in position.

B. Rates for pipework shall include joints in the running length, fittings (eg. tees, junctions, etc.) made bends, cutting, short lengths and waste. Rates for pipework shall include for painting.

C. Rates for pipework shall include for pipe clips, holderbats, fixing to any background, hangers, supports, guides, unions, flanges, dielectric isolators.Rates for pipework shall include for all work and fittings in connection with expansion joints.

D. Rates for piping shall include for cleaning, flushing, and disinfection of all systems as per specifications.

E. Builders work in connection with plumbing installation shall include, but not be limited to, cutting or forming holes, chases, channels, etc. in blockwork, concrete, and other materials, providing and building or casting in pipe sleeves, clamps, brackets, hangers, holdfasts and the like. Builders work in connection shall include for making good on completion all works disturbed by the plumbing installation.

F. Rates for duct insulation shall include for all additional insulation required around bends, branching, access traps, connection, and etc. for laps and waste.

G. Rates for Air Conditioning System shall include for forming or cutting holes, chases, channels, etc.., in reinforced concrete structures and blockwork, providing steel pipe sleeves, clamps, brackets, hangers, tools, ladders, scaffolding, etc. painting metal works, making good around any other incidental requirements for the proper execution of the air conditioning system in accordance with the Drawings.

H. Rates shall include for testing the equipment under the supervision of the Engineer's representative including any modifications, adjustments, or repairs which may be required during or on completion of the test, all as required and to the satisfaction of the Engineer.

I. Rates shall include for , gauge test points in pipes and ducts and for system balancing all in compliance with ASHRAE & SMACNA requirements.

PLUMBING AND MECHANICAL ENGINEERING INSTALLATIONS (Cont'd)

A. Rates shall include for duct and pipe flexible connections.

B. Rates shall include for access openings in ducts as per specification and to the approval of the Engineer.

C. Rates shall include for all necessary electrical conduiting and wiring up to the nearest power outlet.

D. Rates shall include for equipment vibration isolators.

E. Rates shall include for temporary disposable filters on air handlers as per specifications.

F. Rates for all plumbing, air conditioning systems and other mechanical installations shall include for the preparation and furnishing of detailed workshop drawings as indicated in the specifications and/or in the drawings for the approval of the Engineer prior to commencement of the works and or the ordering of materials and for as-built drawings upon completion of the works.

G. Rates for ductwork shall include for the additional weight of all hangers, laps, slips, bolts, washers, vanes, split dampers access doors and waste. The weight has been calculated by multiplying the mean length by the cross section irrespective of any bends, branching, ends and openings.

H. Rates for ductwork shall include for all work in connection with expansion joints.

BILL NO. 2
DIVISION 15 - MECHANICAL

Item	Description	Total Qty	Unit	Unit Rate US$	Total Amount US$
	MECHANICAL PIPE INSULATION				
	Supply install **Insulation** for Refrigerant pipes (Copper)(indoor) for VRV units.				
A	RS Refrigerant pipes	150.00	m		
B	RL Refrigerant pipes	150.00	m		
	Supply install **Weather proof Insulation** (outdoor) for VRV units.				
C	RS Refrigerant pipes	10.00	m		
D	RL Refrigerant pipes	10.00	m		
	Condensate Drain pipes (UPVC) complete as specified				
E	Φ32 mm diameter with insulation as specified.	22.00	m		
F	Φ40 mm diameter with insulation as specified.	4.00	m		
	Supply install Refrigerant pipe works including all fittings and insulation (size and details of connections to be as recommended by A/C manufacturer and approved by Engineer complete.				
	Refrigerant pipes (Copper) for VRV units.				
G	RS Refrigerant pipes	160.00	m		
H	RL Refrigerant pipes	160.00	m		
	HVAC				
	VRV A/C Units				
	Supply, install and test the following heat pump variable refrigerant volume condensing units complete with all wiring, controls, heat pump, base, vibration isolators and control wiring to relevant indoor FCU as specified and shown on drawings (Cooling capacity is indicative refer to notes on equipment schedules):				
I	ACU-PATH, cooling capacity 90 KW.	1.00	No		
	Supply, install and test the following indoor DX evaporator fan coil units complete with all wiring, controls, supports, vibration isolators, insulation, multi-kit, thermostats and interlocks to relevant VRV/ACU and with all accessories as specified and shown on drawings				
	Horizantal ceiling concealed fan coil units:				
J	FCU-20, 5.2 kw cooling capacity.	7.00	No		
K	FCU-21, 2.2 kw cooling capacity.	1.00	No		
L	FCU-18, 2.7 kw cooling capacity.	1.00	No		
M	FCU-5, 6.3 kw cooling capacity.	1.00	No		
			Total to Collection		

BILL NO. 2
DIVISION 15 - MECHANICAL

Item	Description	Total Qty	Unit	Unit Rate US$	Total Amount US$
	DUCTWORK				
A	Supply and Install galvanized steel ductwork for air/ conditioning and ventilation system, low velocity, including all beads, junctions, reducers, splitter dampers supports and flexible joints as specified and as shown on drawings.	985.00	Kg.		
B	Insulation to indoor ductwork with protective wrapping as specified.	185.00	m^2		
C	Internal lining as specified.(clean liner)	36.00	m^2		
D	Supply and Install ductwork for **Hood** system, including all beads, junctions, reducers, supports and flexible joints as specified and as shown on drawings.	55.00	Kg.		
	FANS				
	Supply, Install and test the following fans, including flanges, support framing, mounting bolts, isolating switches, spring vibration isolators, flexible connections to duct works air tight back draft damper and all necessary fixing accessories and connections as specified and as shown on drawings.				
	Inline Centrifugal Exhaust Fan (cabinet type)				
E	Type EF-PATH1, 100L/S, 82 Pa approx. static pressure.	1.00	No		
F	Type EF-PATH2, 210L/S, 150 Pa approx. static pressure.	1.00	No		
	AIR OUTLETS AND INLETS				
	Supply and Fix the Following Complete painted as approved by Engineer with all Duct Connections and Framing as Specified and as Shown on Drawings (Type of Frame to be as indicated on Drawings and approved by the Engineer). Color as approved by the Engineer.				
	Supply Ceiling Diffuser (SCD) with plenum box, volume damper and felxible duct complete as approved by engineer				
G	Size 605 x 605 mm.	1.00	No		
H	Size225x225 mm.	16.00	No		
I	Size300x300 mm.	2.00	No		
J	Size380x380 mm.	1.00	No		
	Return Ceiling Diffuser (RCD) with plenum box, volume damper and felxible duct complete as approved by engineer				
K	Size 605 x 605 mm.	1.00	No		
L	Size 225 x 225 mm.	8.00	No		
M	Size 300 x 300 mm.	1.00	No		
	Exhuast Ceiling Diffuser (RCD) with plenum box, volume damper and felxible duct complete as approved by engineer				
N	Size225x225 mm.	2.00	No		
	Merv 13 Filter complete with plenum box factory assembled and pressure diffretial sensor with monitiring signal to BMS or monitoring panel				
O	Size 600x600x100 mm.	10.00	No		
	Bell Mouth		No		
P	Size 400x200 mm.	8.00	No		
Q	Size 450x200 mm.	1.00	No		
			Total to Collection		

BILL NO. 2
DIVISION 15 - MECHANICAL

Item	Description	Total Qty	Unit	Unit Rate US$	Total Amount US$
	COLLECTION				
		1/3. 2/3. 3/3.			
	TOTAL AMOUNT OF HVAC SYSTEM				

BILL NO. 1
DIVISION 15A

Item	Description	Qty	Unit	Unit Rate US$	Total Amount
	GENERAL ITEMS IN CONNECTION WITH MECHANICAL WORKS				
	Testing & Commissioning				
A	Testing and commissioning of the entire mechanical installations with all as built drawings and test results all to be approved by Engineer.	1	Item		
	Supports & Joints				
B	Supply and install all necessary expansion joints on all piping system with all anchors, supports and fixing points all to be approved by the Engineer and according to study prepared by specialist.	1	Item		
	CONTROL & ELECTRICAL WORKS				
D	Supply and installation of all electrical works and controls related to Mechanical installations including cables, wires, cable trays, controls and all accessories.	1	Item		
E	1 year guarantee from final handover.	1	Item		
F	Shop drawing & As-built drawing for the entire mechanical installations with test results and operation manual.	1	Item		
		Total to Collection			