

**SIBL Foundation Hospital**  
**70, Green Road Dhaka-1205**  
**Web: www.siblbld.com; email: sibl.hospital@sibl-bd.com**  
**INVITATION FOR TENDER**  
**Procurement of Medical Equipment for SIBL Foundation Hospital.**

Tender Ref No. SIBLFH/Proc/Echo and Vent/2021/ 10

Date :20.03.2021

**Section A: General Information**

1	Name of the Procuring Entity	SIBL Foundation Hospital					
2	Brief Description of equipment	Online tenders are hereby invited from the eligible enrolled/registered suppliers/ distributors/ local agents for supplying : (1) One unit of Colour Doppler Echocardiography Machine, (2) Three units of ICU Ventilator as per technical specifications detailed in "Section C" hereunder					
4.	Invitation for Quotation Ref. & Date	SIBLFH/Proc/Echo and Vent/2021/10 date: 16.03.2021					
5	Procurement Method	Open Tendering Method					
6	Source of Fund	Social Islami Bank Foundation					
7	Tender Security (conditionally refundable)	Tk. 1.00 lac (Taka one lac ) The tender security shall be deposited in the form of Payment Order (conditionally refundable either partly or in full) favoring "SIBL Foundation Hospital".					
8	Registration of bidders & price of Tender Document:	The interested eligible bidders have to enroll their name by submitting a prayer to the Director SIBL Foundation Hospital physically along with a non-refundable registration/enrollment fee Tk. 3,000.00 (Taka three thousand) only in the form of "Payment Order" in favor of "SIBL Foundation Hospital" before the submission of tender. No Tender documents will be sold physically. The bidder have to copy or download this tender documents from the website: <a href="http://www.siblbld.com">www.siblbld.com</a> and place them on their own letterhead to submit their bid.					
	Important Tender Process Dates & Times	Tender	Registration		Submission		Opening
		Process	Start	End	Start	End	
		Date	21/3/2021	31/03/2021	22/03/2021	04/04/2021	04/04/2021
		Time	2.00 pm	4.00 pm	10.00 am	2:30 pm	3:00 pm
10	Tender Validity	12 months from the date of submission.					
11	Quantity & Delivery Schedule	As mentioned earlier.					
12	Place of opening tender documents	Social Islami Bank Foundation Hospital". SIBL Foundation Hospital 70.Green Road, Dhaka-1205					
13	Composition of bid Price	The price shall include all cost and taxes up to delivery and the procuring entity will pay VAT separately.					
14	Delivery Address	SIBL Foundation Hospital 70.Green Road, Dhaka-1205					
15	Mode of payment	The bill payment process may take a cycle of 30 days. The process includes the time of collecting clearances from the end user.					

16	Performance Security	The successful bidder shall have to submit performance security at the rate of 10% (ten percent) of the entire NOA amount in the form of Bank Guarantee for a period of 12 months. Otherwise, the performance security money shall be deducted from the bills ( refundable after satisfactory completion of warranty period)
17	Submission of bidders qualifications/ eligibility and oath of bidder (Section B)	The interested registered bidder shall copy the "bidders' qualification" form (Section B) from the webpage and place them on their own letterhead, write their qualifications and individual information in the designated fields and submit the form along with the supporting documents as proof of the provided information and a copy of the tender security Pay Order as specified in serial No. 7 hereinabove in a separate pdf file with proper label mentioning-"Bidder's Eligibility/Qualifications-, Name of the bidder & Registration No. All papers and information shall be signed and authenticated by the bidder.
18	Submission of Technical Specifications (Section C)	The interested registered bidder shall copy the Asked Technical Specifications form (Section C) from the webpage and place them on their own letterhead, write their own specifications and submit the document along with the supporting original brochure, detail color picture <b>in a separate pdf file</b> with proper label mentioning-"Technical Specifications", Name of the bidder & Registration No. All papers and information shall be signed and authenticated by the bidder.
19	Submission of Financial Offer (Section D)	The interested registered bidder shall copy the Financial Offer form from the webpage and place them on their own letterhead and write their price offer for Section D in the designated field(s) and submit the document <b>in a separate pdf file</b> with proper labeling mentioning- "Financial Offer", Name of the bidder & Registration No. All papers and information shall be signed and authenticated by the bidder.
20	Name and address of the Office for receiving tender(s)	Director SIBL Foundation Hospital 70.Green Road, Dhaka-1205
21	Address of Official Inviting Tender	Do.
22	Contact Details	Telephone No. 09612001122- Ext: 50700, email: sibl.hospital@sibl-bd.com
23	Special Instruction	<p>The procuring entity reserves the right to act as follows without assigning any reason thereof</p> <ol style="list-style-type: none"><li>1.Explain or clarify the terms of this tender notice in its own way,</li><li>2. Increase or decrease the tender quantity</li><li>3. Reject the lowest bid,</li><li>4. Reject any or all bids</li><li>5., Select any Tender as it deem competent.</li><li>6. Call (before evaluating the tender) the responsive Tenderer(s) to submit original copies of the documents and tender security payment order submitted with the tender .</li></ol> <p>The bidder/supplier shall have no right to challenge the decision of the procuring entity in any court of law or to any arbitrator.</p>



**Director**

SIBL Foundation Hospital  
70.Green Road, Dhaka-1205

## Procurement of Medical Equipment for SIBL Foundation Hospital.

Tender Ref No. SIBLFH/Proc/Echo and Vent/2021/

Date: 21.03.2021

### Section B: Bidder's Information and Qualifications/Eligibility

SN	Description	Qualification	Response	Remarks
01	Name of the Bidder	Required		Attach NID copy
02	Designation of the Bidder	Required		
03	Company Name	Required		
04	Company Type	Required	Proprietorship, Partnership, Private Limited, Public Limited etc	
05	Website address of the company	Required		
06	Bidder's Office Phone No.	Required		Attach bill copy
07	Bidder's email address	Required		Send "Hello" <a href="mailto:sibl.hospital@sibl-bd.com">sibl.hospital@sibl-bd.com</a>
08	Bidder's Mobile No.	Required		
09	Verified Business Address	Required		Attach proof
10	Name of Contact Person	Required		Attach NID copy
11	Designation of the contact Person	Required		
12	Official email address	Required		Send "Hello" mail to <a href="mailto:lsd@sibl-bd.com">lsd@sibl-bd.com</a>
13	Valid Trade License No.	Required		Attach proof
15	Valid VAT Registration No.	Required		Attach proof
15	Valid ETTN	Required		Attach proof
16	Valid IRC No.	Required		Attach proof
17	Authorization of the Manufacturer	Required		Attach proof
18	Bank solvency certificate	Required		Attach proof
19	Are you adequately solvent to sale on credit for a period of 3 months or more?	Yes/No.		
20	Experience (optional)	NOA No. Date- Value-		Attach proof
21	Principal's Name, Postal Address, Web address	Required		Might be verified
22	Are you Banned by any bank authority or government agency?	Yes/No		
23	Will you import the product from original equipment manufacturer? If no, who will import your products give its details	Yes/No./details		

Statement of the bidder: All the above information provided hereinabove are true. We will supply the order from genuine, valid and lawful sources and will pay all admissible Taxes & other duties as per rule of the Government of Bangladesh.

Signature of the Bidder:  
Name of the Bidder:  
Designation of the Bidder:

Company Name:  
Business Address  
Mobile No.:

**Procurement of Medical Equipment for SIBL Foundation Hospital.**

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**Section C (1) : Technical Specification (Colour Doppler Echocardiography Machine)**

Procuring Entity's Technical Specification	Tenderer's Specification	Remarks
<p><b>Model-</b> To be mentioned by Tenderer  <b>Brand</b> – To be mentioned by Tenderer  <b>Origin-</b> To be mentioned by Tenderer  <b>Port of Shipment</b> - To be mentioned by Tenderer                      The system should be Echo- friendly and meet clinical demand with outstanding versatility, flexibility of work flow and consistent, high quality imaging performance with the following features:  <b>Features:</b>                      The System should have Programmable Key Functions to make the main panel customized as per users choice.                      The System Should have advanced software to improve visualization of Tissue and to reduce artifacts and saturation in high intensity region.                      The system should have Color Touch Command Screen to simplify selection of advance function.                      The System should have Central Palm Controller to get access to all major functions with minimal hand movement.                      The system should have Tissue Harmonic Imaging with Pulse-Subtraction Technique.                      The system should have Compound Imaging for outstanding clarity and details of Images in all mode                      The system should have the capability to Increase the temporal resolution and enables speckle reduction in image scanning.                      The system should have Panoramic Imaging facility/Logic view.                      The system should have Differential THI capability.                      The system should have Advanced Dynamic Flow Scan capability.                      The System should have Trapezoid Imaging/Wide View facility to extend Field of View of transducer to provide better overview of region of interest.                      The System Should have <b>Precision Imaging</b> to improve visualization of Tissue.                      The System should have <b>Auto IMT</b> Facility .                      The system must have Paediatric Application-Z score,Vortex technology for congenital Blood flow evaluation.                      Strain-3 layer strain with BP strain curve.                      Cardiac auto Doppler for faster work flow to enhance productivity and enabling average of multiple cycles to increase the efficiency in AFIB patients.                      Tools for structural hard Navigation with Helicopter view.                      Raw data scan assist, scan coach,B flow TCI(True confocal imaging,ACE(Adaptive Contrast enhancement).  <b>TVI, TDI, TT (tissue Tracking), auto EF must be available with the system.</b></p>		

**Specification:**

:Sector scan, Linear Scan, Convex Scan, Trapezoid Scan

**Monitor** : 22” or higher LCD Color Monitor

**Monitor Resolution** : 1280 x 1024 or more

**Touch Command Screen** : 12 inch or more.

**Scanning Depth** : 40 cm or more

**Scan Angle& width** : To be adjustable during operation

: At least Selectable 6 frequencies including THI

**STC** : 8 steps or more

Should be available in B-mode, M-mode & D-mode

**B-Mode Frame rate** : minimum 3500 frame/ second or more

**Color Mode Frame rate** : minimum 385 frame /second or more

**TDI mode Frame** : 1000 frame /second or more

CDI mode, Power Angio Mode, Dynamic Flow Mode, Color Map, etc. should be available

The system should have minimum **40 million Digital processing Channel**

Continuous-wave Doppler (CWD), Pulsed Wave

(PWD), HPRF PWD should be available.

**Transducer Connector** : 3 Active Transducer ports or more

: Should be available with the following features :

**Rendering Mode** : MIP, MPR, CAVITY

**Display Format** : Single Frame Display, 2- frame Display, 4-frame display , Multi-view and Volume View

**Functions** : Navigation Function, Clipping Function, Volume Measurement & Single sweep

**Hard Disk Storage** : 1.00 TB or more with SSD Hard Drive

**Image Memory (Cine)** : 256MB or more

**DVD/CD drive** : Integrated DVD/CD drive with CD writer facility should be available

**DICOM** :Verification, Storage, Print, Storage commitment, Network Transfer, MWM, Query/Retrieve, MPPS, Structured Reporting should be available.

**Measurement Function:**

Basic Measurement: B mode - Distance, Area, Angle, Volume, Joint, Stenosis Ratio

M mode – Slope, Distance, Time, Heart rate

PW mode – Velocity, Acceleration, Time, Heart Rate, Doppler trace

Application Measurement:

- 4D-mode measurements

- 2D-mode measurements

- M-mode measurements

- Doppler measurements

- OB (obstetrics) measurements

- Vascular measurement

**Transducers (Probes):**

1 Pce. Linear Transducer, Frequency range-4.0 to 12.0MHz  
1 Pce. Sector Transducer, Frequency range-1.4 to 4.6MHz , single crystal  
1 Pc. Sector Transducer for Pediatric Cardiac use (frequency range 2.4 to 8.0 MHz)

**Accessories:**

B/W Digital Thermal Printer/Video printer  
Built in Color Ink Jet printer  
Ultrasound Gel, 5 litter  
Suitable Online UPS for minimum 30 minutes Backup  
Operation and service manual -1 pc each.  
The offered model/version must be Brand new, latest version/model are in current production line. In this regards, the certificate of declaration which is issued by manufacturer must be submitted with the offer.  
Ten years spare parts availability certificate will have to be submitted with the offer.

**Quality Standard:**

Valid JIS/EU-CE/US-FDA (any two) certificate must be submitted along with the offer.  
Warranty: 2 (two) years including all spares and probes from the date of installation and commissioning at the user end.  
Manufacturer Authorization must be submitted along with the offer.

**Country of Origin:**

USA/UK/Japan/Germany/France/Italy/Canada/Austria/Belgium/  
Denmark/Finland/Hungary/Ireland/Netherlands/Sweden/Norway/  
Switzerland's/Spain/ /Australia.  
Country of origin and Country of shipment should be same.

**Special Instruction:**

Tenderer must provide one month operational training for two operators by appropriate application specialist and service the system/equipment twice a year/as and when required during the warranty period.  
The vendor must submit written assurance of the availability of spare parts for a period of 10 years from the date of expiry of warranty.  
Price for a complete unit with standard accessories inclusive of transportation , installation and all taxes both in figure and in words in BDT must be quoted.

**Signature of the Bidder:**

**Company Name:**

**Name of the Bidder:**

**Business Address**

**Designation of the Bidder:**

**Mobile No.:**

**Procurement of Medical Equipment for SIBL Foundation Hospital.**

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**Section C (2) : Technical Specification (ICU Ventilator Machine)**

<b>Name:</b>	<b>ICU Ventilator</b>
<b>Manufacturer:</b>	To be mentioned by the bidder
<b>Model and Brand:</b>	To be mentioned by the bidder
<b>Features:</b>	<p>Should be microprocessor-based time-cycled ventilator applicable for infant, paediatric as well as adult with both invasive and non-invasive ventilation with panel GUI of minimum 15" touch screen. Dual display will be preferable.</p> <p>Should have Dual PSOLs to provide servo-controlled air and Oxygen delivery</p> <p>Should have Heated Active Exhalation System</p> <p>Should have Reusable/replaceable hot-wire exhalation flow sensor</p> <p>It should operate on mains AC supply (220 - 240V, 50 - 60HZ). It should have battery backup for at least 60 mins.</p> <p>Should have Remote alarm, external battery, VGA, RS-232, USB, and external Alarm silence connections.</p> <p>Should have One, two or three waveforms displayed on one screen</p> <p>Should have SAVE and Download option through USB</p>
<b>Ventilator Modes:</b>	<p>Should have Control / Assist Control (both in VC &amp; PC).</p> <p>Should have SIMV (VC &amp; PC) with and or without pressure support.</p> <p>Should have Spontaneous Breathing mode CPAP with and or without pressure support.</p> <p>Should have Apnea BUV</p> <p>Should have Compliance Compensation</p> <p>Should have 24 hours of Trends</p> <p><b><u>Advanced modes:</u></b></p> <p>VTPC/PRVC / Autoflow / VC+ should be featured with active exhalation valve</p> <p>Should have BPRV/APRV/BILEVEL</p> <p>Should have Volume Support or Volume assured pressure Support</p> <p>Should have Real time I:E Ratio Pop Up Window</p> <p>Should have Flow pattern should be decelerating or descending type to avoid any sort of ventilator induced lung injury (VILI) like Barotrauma</p> <p><b><u>Synchrony Tools</u></b></p> <p>Should have AUTOMATIC (Flex Cycle) and manual expiratory threshold adjustment for better patient synchrony</p> <p>Should have AUTOMATIC and manual Rise time adjustment</p> <p>Should have Pulmonary Mechanics (P0.1, NIF, PV maneuver)</p> <p>Should have Automatic Leak Compensation/Baseline Pressure management in all modes/Breath types</p>
<b>Settings:</b>	<p><b>It should have following settings:</b></p> <p>Tidal Volume: 5ml to 3000 ml</p> <p>Peak Flow: 1 to 180 l p/m.</p> <p>Respiratory Rate: 1 to 150 bpm.</p> <p>Inspiratory time: 0.2 to 5.0 sec.</p> <p>Inspiratory pressure (PI): 0 to 80 cmH2O.</p> <p>Flow pattern: Square &amp; Descending ramp.</p> <p>Trigger Type: Pressure triggered and Flow triggered.</p> <p>Pressure Trigger- 0-5cmH2O</p> <p>Flow Trigger- 0.1-2L</p> <p>Pressure Support: 0 to 60 cm H2O.</p> <p>PEEP/CPAP: 0 to 45 cm H2O.</p> <p>Plateau time: OFF to 2.0 sec.</p> <p>FIO2: 21 to 100 %.</p> <p>I: E Ratio :&lt; / = 1:299 to 4:1.</p> <p>Disconnect sensitivity 20 - 95%</p> <p>Sigh Breath- one sigh breath every 100 breaths (1.5*VT setting)</p>
<b>Monitoring Parameters:</b>	<p><b>It should monitor following parameters:</b></p> <p>Pressures-Ppeak, Pmean, Pplat, PEEP, Total PEEP</p> <p>P0.1, Cdyn (Dynamic Compliance), Cstat (static Compliance), Ri, Re, Vte, Vti, NIF,</p>

		<p>WOBim  MVi, MVe, Vte % variance, MVe spont,  Delivered O2 %.  I: E Ratio.  Total respiratory rate.  Spontaneous RR  RSBI  Inspiratory Flow, expiratory flow  Inspiratory time, Time Constant</p>
	<b>Alarms:</b>	<p><b>It should have following alarm (Audible &amp; Visual)</b>  Power failure  Low battery  High Circuit Pressure  High/Low Exhaled minute volume  High/Low exhaled Tidal volume  High Respiratory rate  Apnoea  Flow sensor failure</p>
	<b>Additional Feature:</b>	<p>The quoted model should have existing installations in government, semi government, corporate and private hospitals(User List required).  The company should have a good track record of after-sales-service backup.  The ventilator should be compatible to any standard disposable or reusable patient breathing circuit.  It should have low maintenance and running cost.  It should have separate Insp &amp; Exp limb coming out &amp; going into the ventilator respectively &amp; to be directly connected to the "Y" pc</p>
0.	<b>Accessories:</b>	<p>Ventilator module with touch screen &amp; basic and advanced modes  Mobile Trolley with brake  Test Lung  High pressure O2 tubing  High pressure Air tubing  Flex accessories (Hinged arm, circuit holder)  Power cord  Operator's manual</p>
1.	<b>Local Training:</b>	<p>Adequate local training for users nominated by the procuring entity must be arranged by the supplier.</p>
2.	<b>Warranty:</b>	<p>1-year standard warranty of the machine from the date of satisfactory commissioning and functioning.  During warranty period the supplier shall have to provide all maintenance and repair services  The service should be provided within 24 hours from the time of complaints lodged  The vendor must submit written assurance of the availability of spare parts for a period of 10 years from the date of expiry of warranty.</p>
3.	<b>Quality Certificate:</b>	<p>The Ventilator must have both US FDA &amp; European CE approval as a class-I ICU / ICCU Ventilator. Manufacturer's authorization Certificate copy must be submitted with the offer.</p>

**Signature of the Bidder:**

**Company Name:**

**Name of the Bidder:**

**Business Address**

**Designation of the Bidder:**

**Mobile No.:**



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**Section D: Financial Offer of Tendered Equipment**

SI	Description	Qty	Price (including VAT. Tax) both in figure and in words
1	Colour Doppler Echocardiography Machine		
2	ICU Ventilator Machine		

**In words: Total Taka**

**Signature of the Bidder:**

**Company Name:**

**Name of the Bidder:**

**Business Address**

**Designation of the Bidder:**

**Mobile No.:**