TERMS & CONDITIONS

Tender No. 50/2020, Dated 25.07.2020
FOR THE YEAR 2020-2021 & 2021-2022

Supply & installation of Heart Lung Machine with Hypothermia for NICVD Satellite Centers Qty. =05

i) Cost of Tender is Rs. 1000/- (Rupees One Thousand only) [Not refundable].
ii) Tender Selling Date from 04-07-2020 to 20-07-2020.
iii) Tender Submission Date 25-07-2020 before 11:30 a.m. (in Procurement Department)
iv) Tender will be opened on 25-07-2020 at 12:00 Noon in Conference Hall/Nursing Hostel Building of NICVD, Karachi.

NOTE:
Read the Terms & Conditions carefully.

Tenderers are required to comply all the clauses mentioned in the Terms and Conditions of the tender and any deviation will forbid them in competing the tender.

1. In this tender TWO Envelopes procedure of SPPRA-2010 46(2,a) will be followed i.e. (i) The bid shall comprise two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal (ii) The envelopes shall be marked as “Financial Proposal” and “Technical Proposal” in bold and legible letters to avoid confusion each envelope should be dropped in separate box (iii) initially, only the envelope marked “Technical Proposal” shall be opened (iv) The financial proposals of bids will opened publicly, time date and venue will be announced later.

   a) In Technical Bid, the bidder must provide original data sheet and technical brochure and all other documents; otherwise, the bid will be ignored. The technical evaluation will be done on the basis of data sheet provided by the vendor as per technical bid.

   b) In Financial Bid, the vendor should mention financial offer along with a Bank Draft/Pay Order/Bank Guarantee of 1% value of the quoted item, in the name of Executive Director, NICVD, Karachi. In case the tender is accepted by competent authority and the supplies are not made according to samples/specification within stipulated time (i.e. 90days) the bid security for the tender would be forfeited to the NICVD account. In case of default the firm may be black listed or financial penalties may be imposed depending upon the gravity of defaults/circumstances in each case as mentioned in Ministry of Health letter No. F.11.9/96-PHC of June 04, 1996. In-time supply must be assured

2. The disclosure of firm’s Product price at the time of opening of technical bid will result in the rejection of the bid.

3. No tender will be entertained without bid security. The bid security will be forfeited to Government Accounts in case of non-submission of security money within seven (7) days of receipt of the other letter.

4. Conditional Tender(s) will not be accepted.

5. The previous bid security or security money will not be carried forward. If any tenderer encloses a cheque with the tender their tender will be rejected out rightly.

6. Principle, Sole Agent, Authorized Distributor can participate in the tender.

7. The rates once mentioned in tender will be final and no change therein will be accepted after the tender opening. Rates should be inclusive with sales tax / without sales tax on taxable articles.

8. The rate should be quoted on FOR (C & F price will be required for imported items).

9. First Scrutiny of technical bids will be performed by the technical committee. Financial Bids of those firms will be opened which qualify technically.

10. The successful bidder will be required to submit security money in shape of pay order/ deposit / Bank Guarantee at call @ 5% of the total value of order in the name of NICVD, Karachi within Seven (7) days which will be kept with NICVD till the end of the Warrantee period of Three (3) years.

11. The vendor has to quote only one rate for each item as per tender specifications. No alternate model will be accepted, only first offer will be considered. Hand written tenders or any over writing, cutting, erasing will liable to be ignored.

12. Bid validity period will remain for 90 days as per SPPRA rules 2010 (Amended 2019).

13. Vendor will be responsible for pre-requisition installation, free of cost and also responsible for pre-installation work, if required.
14. Goods will be handed over to the Stores Department, NICVD, Karachi, with a copy of Delivery Challan.
15. Price escalation will not be allowed.
16. The original tender purchase receipt issued by the NICVD should be submitted along with Technical Bid.
17. If vendor doesn’t supply of goods in accordance with the supply order or fails to supply according to terms and conditions or in case of any other default, it will be black listed and the bid security will be forfeited.
18. The payment will be made after getting the Satisfactory Report of the Incharge of User Department. Warranty of each equipment will be consider from date of signed satisfactory report
19. Income tax will be deducted according to Government Rules. A Copy of income Tax and GST Registration Certificate should be submitted along with Technical Bid.
20. The Vendor should submit a Data Sheet according to the Tender Specifications Format mentioned in the tender and highlight the tender specifications in their Technical Data Sheet. Additional Feature can be mentioned separately.
21. The vendor should attach copy of last three year Income Tax return. Original copy should be provided on request.
22. Tender which does not fulfill the prescribed conditions in the tender is liable to be ignored.
23. The Executive Director, NICVD, Karachi, reserve the right to increase or decrease the quantity mentioned in the tender.
24. All amendments charges in the L/C will be bear by the tenderer/tender winner.
25. Certification that no Government servant has directly or indirectly has a share or interest with our firm.
26. Providing of Sample is Mandatory if demanded.
27. The equipment offered must be of latest version/generation and in case the old model is offered, it will not be considered, even though it is as per the tender specifications.
28. The vendor should attach copy of last three year Income Tax return. Original copy should be provided on request.
29. Quality Assurance Tools/test equipment availability with local tenderer for PPM (Periodic Preventive Maintenance) and periodic calibration along with list of test tools with calibration validity be provided by firms before entering in the agreement.
30. Certificate from the Sole Agent/Manufacturer that the vendor has fully equipped workshop, along with the list of Trained Personnel/Engineers and Equipment should be provided with technical bid and it can be physically verified by the Technical committee of NICVD, Karachi.
31. Firm must provide complete details of their financial standing, listing of similar equipment supplied in Pakistan, bio-data of engineers with training certificates/test equipment, details of local stock of spare parts for similar equipment and details of office with number of personals.
32. The vendor will provide technical / operational training to electro-medical engineer / end user from factory trained engineers. The supplier should provide detail of training program.
33. All equipment to be supplied should be accompanied with Three (3) original copies of the operation, service / maintenance and schematic diagram and spare parts list manual in the English language.
34. The bidder shall submit with the bid, an Undertaking on judicial paper, stating that the equipment to be supplied is brand new and of latest generation, free from defects in design material and workmanship and will bind himself for availability of spares for a period of 10 years from the date of supply. In case of winding up of his business, the supplier shall be bound to make an alternate arrangement of spares and maintenance of equipment. In case of default, depreciated cost of equipment will be recoverable from him.
35. All equipment should be Dicom Compatible, if applicable, and must be FDA/CE/JIS marked.
36. The attached questioner Performa must be properly filled and should be complete in all respect. In case questioner Performa is incomplete or information formations provided are incorrect, the tender shall be rejected.
37. A copy of technical Bid in CD should be attach with technical proposal in word / Excel Format.

**INSTRUCTION FOR PURCHASE ON C&F BASIS.**

If contract / purchase order place on C&F basis following instructions / terms and conditions will also be followed:

I. NICVD will issue Proforma Invoice Request. The vendor will carry out all works regarding the import of equipment i.e. from opening of L/C to delivery and installation.
II. The vendor has to open Letter of Credit in the name of Director, NICVD, Karachi. For items as per
Proforma Invoice. A copy of all documents should be submitted to NICVD time to time. NICVD is also
the consignee of the equipment or NICVD will open L/C after getting the Performa Invoice from Vendor
as per agreed rates/quotation/approved rates.

III. NICVD will assist the vendor in clearing the consignment. NICVD will provide UNDERTAKING and
other letter for the exemption of the payment of Sale Tax, Customs Charges, Income Tax and Other
Taxes applicable on such import.

IV. NICVD will not be responsible for escalation of currency rate after opening the tender.

V. Vendor should mention / Include all expenses related to the import until clearance.

I / We agreed above mentioned terms & conditions:

Note: Only one representative of a firm who has been authorized will be present at the time of opening of tender.

Name of Supplier / Bidder ___________________________ Signature ________________

Full Address__________________________________________________________.

Contact person Name: ________________________________________________

CNIC # _____________________________________________________________

Postal Address _______________________________________________________

E-mail Address _______________________________________________________

Stamp _______________________________________________________________

Phone No. ___________________________________________________________

Fax No. _____________________________________________________________

Mobile No. __________________________________________________________

WITNESSES

1. ______________________________________

2. ______________________________________
**TENDER LIST**

**Tender No. 50/2020, Dated 25.07.2020**

FOR THE YEAR 2020-2021 & 2021-2022

Supply & installation of Heart Lung Machine with Hypothermia for NICVD Satellite Centers Qty. =05

<table>
<thead>
<tr>
<th>S.NO</th>
<th>DESCRIPTION</th>
<th>Qty</th>
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<tbody>
<tr>
<td>01(a)</td>
<td><strong>Cardiac Perfusion Machine/Heart Lung Machine</strong></td>
<td><strong>05</strong></td>
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</table>

**Latest Version Modular Heart Lung Machine**

- Machine should be in operation In case of failure of any module/component.
- 05 Pump Complete Modular Pumps console with all Modular Parameter
- 04 Single roller pump+ 1 Twin Pump.
- Heart Lung machine should have modular system.
- Entire system should operate on battery system for a minimum of 60 Minutes or more.
- Pump-console should have single cable connection.
- 24 Volt DC operated socket for all pumps to avoid risk.
- Should have oxygenator holder 1x for adult and 1x Peads.
- System should have control panel.

**Cardioplegia monitoring unit:**

- It should display Volume ratio, timer, temperature, and pressure of full control of independent cardioplegia line.
- Master follower function and pump to stop

**Single Roller Pump:**

- The unit should have 5-pump compactly arranged with Universal connection.
- Modules pump should have easy access connection for interchanging the pump with console.
- Each individual roller pump should be capable of running independently.
- Entire Pump should operate onto 24 Volt.
- It should have Reverse flow capability.

**PRESSURE MONITOR:**

- Facility to monitor 04 pressure channels and monitoring should be according to OEM.
- Along with necessary pressure transducers Kit, 4cables and domes reusable, with accurate digital display and alarm facilities audio and visual.
- Two extra pressure cable must be supplied separately.

**TEMPERATURE MONITOR:**

- 04 temperatures should displays on Control panel for patient monitoring and for cardioplegia monitoring with digital display in Celsius with necessary compatible temperature probes for all ports 2x oxygenator (Adult & Peads). Two extra temperature probe must be supplied.
- It should have trend indicator and trend readout.

**Air Emboli module.**

**Level sensor:**

- With alarm settings. Should be able to provide both alert alarm for audible and visual alarms or low blood level alarm
- It should be Capacitive in nature.
- Level sensor pads 100 pcs with two extra level sensor cables.

**Air Bubble detector:**

- It should be ultrasonic in nature.
- Micro –bubble detection facility.
- Sensor fault and override facility.
- Sensor should be ½ with all possible connector with two extra bubble detectors
**TIME MONITOR:**
- Minimum 3 time displays.
- With stop, reset and start function

**AIR-OXYGEN BLENDER (Stand Alone)**
To work at 50-60 PSI for membrane oxygenator with water trap attached with necessary hoses and connections of minimum of 5 meters length and with dual flow glass flow meters. Instrument tray and Drawer for accessories one with each machine.

**INLINE ARTERIAL AND VENOUS BLOOD MONITORING:**
Should have LCD display of 7 inches or more touch screen monitor.

**Monitoring of Arterial Line:**
- Be able to measure partial oxygen is Luminescence.
- Be able to measure temperature infrared thermopile sensor.

**Monitoring venous line:**
- Should measure partial oxygen is SPECTROPHOTOMETRIC.
- Should measure temperature infrared thermopile sensor.
- Measurement of line, hematocrit, SVO2,PaO2,Ta,Tv,SatO2.
- Should have USB Connection for Printer
- Should have integrated barcode scanner / automatic calibration.
- Required venous probe for calibration.
- Required Arterial probe.
- Venous temperature sensor (10 x each)
- Arterial Temperature sensor (10 x each)
- Holder for attachment to HLM
- BMU Sensors 100x to be offered with the system.

**01(b) Hypo/Hyper Thermia Unit use for Temperature Control & Monitoring System with Cardioplegia Supply & Installation.**

**Specification**
- System should be latest version.
- 5” Inch or more color touch screen LCD/LED for smooth operation.
- Automatic De-airing and emptying function for implies filling of the tubing & removing air of external devices.
- Temperature gradient facility for both patient and Cardioplegia side.
- Water temperature range: 1-40 °C accuracy: +/-0.3 deg/C.
- Tank volume capacity: 25 Liters or better.
- Flow capacity within patient water circulation: 18 L/min or better.
- Flow capacity within Cardioplegia water circulation: 9 L/min or better.
- Initial cooling capacity: 6000kJ/h or better.
- Compressor will automatically start if a shortage of ice in the tank.
- UV-Light for disinfect internal water tubing and hoses with 254 nm wavelength or better.
- Maximum pressure, patient water circulation: 1.5-2.0 bar or better.

**Accessories:**
- At least four reusable Thermal Blankets (Adults & Peads two each) complete set
- Two extra flow sensor must be supplied.
- To be delivered with complete original accessories

**02 Training:**
International technical/Application training for two biomedical engineer.

**Manuals:** Original Operator and technical manuals (Hard copy & soft copy) along with error codes and part number wise catalogue of spare parts.
Required dedicated engineer on continuous placement basis during the warranty period.
To be delivered with complete original accessories.
Certification FDA / CE/ JIS/ MHLW (any 2 certificates are mandatory).
Country of Manufacturing: Japan, USA, Western Europe.
Warranty 3 years with parts

<table>
<thead>
<tr>
<th>03</th>
<th>KNOCK OUT CLAUSES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓</td>
<td>Machine should be of Latest Model.</td>
</tr>
<tr>
<td>✓</td>
<td>Quoted model has at least 15 installation basis to all over Pakistan.</td>
</tr>
<tr>
<td>✓</td>
<td>Quoted model must be on manufacturer website.</td>
</tr>
<tr>
<td>✓</td>
<td>Required at least 05 satisfactory certificates in recent dates from the end user of quoted model.</td>
</tr>
<tr>
<td>✓</td>
<td>Demonstration mandatory.</td>
</tr>
<tr>
<td>✓</td>
<td>At least two trained engineers deputed at site during the warranty period.</td>
</tr>
</tbody>
</table>
### DATA SHEET

**Tender No. 5O/2020, Dated 25.07.2020**

**FOR THE YEAR 2020-2021 & 2021-2022**

Supply & installation of Heart Lung Machine with Hypothermia for NICVD Satellite Centers Qty. =05

<table>
<thead>
<tr>
<th>S.NO</th>
<th>A- MANDATORY</th>
<th>Tick relevant box</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Name, Address, Tel, Fax# E-mail Address</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>National tax Number(NTN)</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Latest Income Tax Certificate or Income Tax exemption certificate.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Copy of Sales Tax Registration.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Latest Sales Tax Certificate or exemption certificate.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Name of Banker with Current Bank statement.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Bid Security (1% of Bid Value of the quoted items) As per clause no 1-b with commercial bid.</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>A copy of valid agency certificate/agreement valid for till next financial year, against tender no. 5O/2020</td>
<td></td>
</tr>
</tbody>
</table>
| 9 | 1. Literature and catalogue of quoted items in English.  
2. Demonstration must required | |
| 10 | Affidavit that the firm has never been black Listed and List of litigation with clients(if any) and nature of litigations | |
| 11 | Original tender purchase receipt. | |

### EVALUATION OF CRITERIA (TOTAL 100 MARKS)

<table>
<thead>
<tr>
<th>S.No</th>
<th>Technical Evaluation</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>No Major Deviation Specification.</td>
<td>15</td>
</tr>
<tr>
<td>02</td>
<td>Bidder is in health care business since last 05 years (Documental evidence required).</td>
<td>10</td>
</tr>
<tr>
<td>03</td>
<td>Company staff list at least 02 services Engineers and Company Service back setup in Karachi &amp; interior Sindh. (Documental evidence required).</td>
<td>10</td>
</tr>
<tr>
<td>04</td>
<td>Warranty of Machine 3 Years with parts. (Documental evidence required).</td>
<td>15</td>
</tr>
<tr>
<td>05</td>
<td>Vendor install same equipment in at least 2 hospitals of 200 beds since last 03 years. (Documental evidence required).</td>
<td>10</td>
</tr>
<tr>
<td>06</td>
<td>Recommendation from end-user.</td>
<td>15</td>
</tr>
<tr>
<td>07</td>
<td>Business turnover of 5 million (Documental evidence required).</td>
<td>05</td>
</tr>
<tr>
<td>08</td>
<td>Equipment must be CE /FDA/ JIS marked</td>
<td>10</td>
</tr>
</tbody>
</table>
| 07   | ᶠ Bio Data of key personnel with designation, education & experience and details of man power.  
 ᶠ Detail of experience of the firm of relevant to the subject  
 ᶠ List of orders with cost completed by the firm during last 2 years  
 ᶠ Detail of Registration with major organizations  
 ᶠ Original terms and conditions duly signed and stamped including all papers should be signed and stamped by competent authority.  
 ᶠ Undertaking that the firm will supply the stock within 20 days & items will be stamped.  
 ᶠ Certificate that the prices quoted are not high or more than local/imported market.  
 ᶠ A certificate that the firm will abide all terms and conditions of the tender infringement for consequence as recommended by the competent authority.  
 ᶠ A certificate that the Quoted price will remain unchanged till the completion of the tender period.  
 ᶠ A Certificate that the items has registered by country of origin and they are using for local population | 10 |
## SUPPLIERS QUESTIONNAIRE / PERFORMA
(To be filled in by the vendor)

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Model</th>
<th>Supplier</th>
</tr>
</thead>
</table>

1. Year of Introduction of the offered model:  
   Version (if same model revised):

2. Number of equipment installed (Please provide Names of institution for Pakistan / Islamabad):
   - World wide:  
   - In Pakistan:  
   - In Islamabad/Rawalpindi:  

3. Manuals to be provided:  
   - Service:  
   - Parts List:  
   - Electrical Drawing / Schematics:  
   - Operational / Application:  

4. Spare parts Availability Guarantee (No of years):

5. Source of spares availability:  
   - Local:  
   - Overseas:  

6. Equipment life period (number of years):

7. Do you hold specialized tools/test equipment required for:
   - Maintenance:  
   - Calibration:  

Please provide list of tools / test equipment including their calibration status on a separate sheet.

8. Annual Maintenance contract Price:
   - Parts and Labor:  
   - Labor without parts:  

9. On call service charges:
   - Minimum:  
   - Per day:  

10. In case of in house maintenance by NICVD engineers are you willing to provide following during post warranty period:

11. Are you authorized representative of manufacturer:

12. No of Factory trained engineer available locally Normally trained engineer available locally on offered equipment(provide training Certificate & years of experience):  

13. Total number of years in business:

14. Warranty period (Please provide following details):
   - Uptime Guarantee:  
   - Response time to maintenance requested Hrs.  
   - No of PPM/Year:  
   - Any other:  

8
15- Do you have any objection/concerns to use similar Specification spares of alternate/other manufacturer during warranty of maintenance contract (if available)  

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

16- Comprehensive NICVD Engineer Training  
if yes state what included  

- Training Fees  
- Airfare  
- Boarding/Lodging  
- Free of charge  
- None of the above  

17- Up-gradation possibility.  

- Hardware  
- Software  

If above has any cost please provide the details of up-gradation with estimated price.  

________________________________________________________________________  
________________________________________________________________________  
________________________________________________________________________  

Please state safety standard conformance (e.g IEO 601, FDA, AAMI etc):  

________________________________________________________________________  
________________________________________________________________________  
________________________________________________________________________  

18- Pre-Installation services requirements:  

<table>
<thead>
<tr>
<th>Power:</th>
<th>KW</th>
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<tbody>
<tr>
<td>Voltage:</td>
<td>Single/Three phase</td>
</tr>
<tr>
<td>Gas:</td>
<td>Cuft/hr</td>
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<tr>
<td>Water:</td>
<td>Galleons/Liter/Hour</td>
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<td></td>
<td>PSI (Pascal)</td>
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</table>

(If pre-treated water required, please provide details)  

Air ___________ PSI  

Vacuum ___________ mmgh  

Other: __________________________________________________________________ |
|________________________________________________________________________|
|________________________________________________________________________|

Installation time:  

________________________________________________________________________  

19- Environmental Parameters Limits:  

- Temperature ______ to _______ centigrade / Fahrenheit  
- Humidity ______ to _______ %RH  

AAMI - American Association for medical instrumentation.  

20- Any other specific requirement (e.g. UPS. Voltage Stabilizer etc. provide details):  

________________________________________________________________________  
________________________________________________________________________  
________________________________________________________________________  

21- Briefly state facilities and benefits provided during warranty period.  

________________________________________________________________________  
________________________________________________________________________  
________________________________________________________________________  

22- Please give the rates of consumable, Disposable items and parts required for proper functioning of Machine/equipment life period of each item (in days/months).  

________________________________________________________________________  
________________________________________________________________________  
________________________________________________________________________  

________________________________________________________________________  
________________________________________________________________________  
________________________________________________________________________
TENDER PROFORMA FOR FINANCIAL BID

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<table>
<thead>
<tr>
<th>Sr. #</th>
<th>Description</th>
<th>Specification of Quoted Items</th>
<th>Qty.</th>
<th>Unit</th>
<th>Reg #</th>
<th>Make</th>
<th>Country of Origin</th>
<th>C &amp; F Price</th>
<th>Rate per Unit F.O.R. Price</th>
<th>Delivery Period</th>
<th>With or Without Sales Tax</th>
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Signature

Official Seal
TENDER PROFORMA FOR TECHNICAL BID

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<tr>
<th>Sr. #</th>
<th>Description</th>
<th>Specification of Quoted items</th>
<th>Qty.</th>
<th>Unit</th>
<th>Model #</th>
<th>Make</th>
<th>Country of Origin</th>
<th>Warranty</th>
<th>Delivery Period</th>
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