

**e-tender ID No. 2019\_UTDNH\_4396\_1 for Purchase of High Frequency Oscillation Ventilators under Rogi Kalyan Samiti for Shri Vinoba Bhave Civil Hospital Silvassa. for the Year 2019-20.**

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**On Line Tender Notice No.27 of 2019-20**  
Administration of Dadra & Nagar Haveli, U.T.,  
Office of the Member Secretary (RKS),  
Shri Vinoba Bhave Civil Hospital  
“Tel.No.0260-2642940, 2640615, 2630102”  
email ID : svbch.sil@gmail.com

No. MS/RKS/P&T/HFOV/2019-20/02

Silvassa.

Date: 03/01/2020

**e-Tender Notice**

The Member Secretary of Rogi Kalyan Samiti, Silvassa on behalf of President of India, invites online tender on <https://dnhtenders.gov.in/nicgep/app> from the Manufactures/ Authorized Dealers/ Suppliers for Purchase of High Frequency Oscillation Ventilators under Rogi Kalyan Samiti for Shri Vinoba Bhave Civil Hospital Silvassa.

Sr. No.	Particulars	Estimated Cost	(E.M.D.) Earnest Money Deposit	Tender Fees (Non- Refundable)	e-Tender ID No.
1.	Purchase of High Frequency Oscillation Ventilators.	₹.29.00 Lacs.	₹.72500/-	₹.1000/-	2019_UTDNH_ 4396_1

**Bid document downloading Start Date** : 04.01.2020.  
**Bid document downloading End Date** : 24.01.2020, 12:00 Hrs.  
**Last Date & Time for receipt of Bid** : 24.01.2020, 14.00 Hrs.  
**Preliminary Stage Bid Opening Date** : 24.01.2020, 15.00 Hrs.  
**Technical Stage Bid Opening Date** : 24.01.2020, 15.30 Hrs.

Bidders have to submit Technical Bid and Price Bid in Electronic format only on <https://dnhtenders.gov.in/nicgep/app> website till the last date and time for submission. Technical Bid and Price Bid in Physical format shall not be accepted in any case.

Bid submission should be done along with tender Fees and EMD in original by R.P.A.D./Speed Post or to be deposited in the tender box kept in the office of the undersigned. However, Tender Inviting Authority shall not be responsible for any postal delay. Tenders can be downloaded from [www.dnhtenders.gov.in](http://www.dnhtenders.gov.in), [www.dnh.nic.in](http://www.dnh.nic.in) and [www.vbch.dnh.nic.in](http://www.vbch.dnh.nic.in)

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1. The EMD and Tender Fees should not be forwarded by cash.
2. The Tender Fees will be accepted only in form of DD/A/c payee Cheque of any Nationalized or Scheduled Bank of India payable in Silvassa.
3. The EMD will be accepted in form of FDR /A/c Payee Demand Draft / Bankers Cheque or Bank Guarantee from any Commercial Banks in an acceptable form payable at silvassa in favor of “**Member Secretary, Rogi Kalyan Samiti, Silvassa**”.

The tender inviting authority reserves the right to accept or reject any or all the tender to be received without assigning any reasons thereof. In case bidder needs any clarification on the process of bidding for participating in online tender for further details, correspondence can be made on E-mail: [cphp-nic\[at\]nic\[dot\]in](mailto:cppp-nic[at]nic[dot]in), Mobile No: +91-7878007972 and +91-7878007973, Tel No. 1800 3070 2232 Website: [www.dnhtenders.gov.in](http://www.dnhtenders.gov.in).

*Sd/-*

**Member Secretary**  
Rogi Kalyan Samiti  
Shri Vinoba Bhave Civil Hospital  
U.T. of Dadra & Nagar Haveli  
Silvassa - 396 230

**Copy to :-**

- 1) CPO, Dadra & Nagar Haveli, Silvassa for wide publicity in Newspaper.
- 2) I.T. Department, D&NH, Silvassa with a request to publish in Website.
- 3) Accounts Section, DMHS, Silvassa for information.
- 4) P&T Department, DMHS, Silvassa for information.

**Terms and Conditions for the “Purchase of High Frequency Oscillation Ventilators under Rogi Kalyan Samiti for Shri Vinoba Civil Hospital Silvassa.”**

• **Instructions to Bidders :**

- 1) All Tender Documents can be downloaded free from the website <https://dnhtenders.gov.in/nicgep/app>
- 2) All bids should be submitted online on the website <https://dnhtenders.gov.in/nicgep/app>
- 3) The user can get a copy of instructions to online participation from the website <https://dnhtenders.gov.in/nicgep/app>
- 4) The suppliers should register on the website through the “New Supplier” link provided at the home page, the registration on the site should not be taken as registration or empanelment or any other form of registration with the tendering authority.
- 5) Digital Signature Certificate is required for participating in the tender.
- 6) For all queries regarding tender specifications and any other clauses included in the tender document should be addressed to personnel in tendering office address provided below:

**The Member Secretary,  
Rogi Kalyan Samiti,  
Shri Vinoba Bhave Civil Hospital Campus,  
U.T. of Dadra & Nagar Haveli, Silvassa - 396 230  
Tel: 0260-2642940, 2640615, 2630102, Fax: 0260-2642961.**

- 7) All documents scanned/attached should be legible / readable. A hard copy of the same may be send which the department will be use if required. Uploading the required documents in <https://dnhtenders.gov.in/nicgep/app> is essential.
- 8) The Bidder has to give compliance for each quoted product for any false /misleading statement in compliance found any time during the procurement process, the bid shall be outrightly rejected & EMD shall be forfeited.

**Keydates:**

<b>Bid document downloading Start Date</b>	<b>:</b>	<b>04.01.2020.</b>
<b>Bid document downloading End Date</b>	<b>:</b>	<b>24.01.2020, 12:00 Hrs.</b>
<b>Last Date &amp; Time for receipt of Bid</b>	<b>:</b>	<b>24.01.2020, 14.00 Hrs.</b>
<b>Preliminary Stage Bid Opening Date</b>	<b>:</b>	<b>24.01.2020, 15.00 Hrs.</b>
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The Tenders shall be submitted in two-bid system, wherein the Technical bid and Commercial Bid is to be filled online on <https://dnhtenders.gov.in/nicgep/app> and the EMD and Tender Fee has to be submitted in Tender Box along with a covering letter. The envelope should be super scribing as “**e-Tender - Sealed Cover of Bid for Purchase of High Frequency Oscillation Ventilators under Rogi Kalyan samiti For Shri Vinoba Bhave Civil Hospital, Silvassa. D&NH**”. The EMD and Tender Fees should be enclosed with **BID** only.

**Tender Fees (Non Refundable) ₹.1,000/- :**

- a. The Tender Fees should not be forwarded by cash.
- b. The Tender Fees (Non Refundable) will be accepted only in form of DD/A/c payee Cheque in favor of “**Member Secretary, Rogi Kalyan Samiti, Silvassa**”. from any Nationalized or Scheduled Bank of India payable in Silvassa.
- c. All tenders must be accompanied by Tender fees as specified in schedule otherwise tender will be rejected.

**Earnest Money Deposit ₹.72,500/- :**

- a. All tenders must be accompanied by EMD as specified in schedule otherwise tender will be rejected.
- b. The manufacturing units who are placed in Silvassa are exempted for Earnest Money Deposit. For getting exemption, tenderers have to furnish valid and certified documents along with the tender, otherwise tender will be rejected.
- c. Any firm desires to consider exemption from payment of Earnest Money Deposit, valid and certified copies of its Registration with D.G.S. & D. should be attached to their tenders.
- d. EMD can be paid in either of the form of following:
  - i. A/c Payee Demand Draft
  - ii. Fixed Deposit Receipts
  - iii. Bank Guarantee

In favor of “**Member Secretary, Rogi Kalyan Samiti, Silvassa**”. from any Nationalized or Scheduled Bank authorized by RBI to undertake Government Business.

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- e. EMD should be valid upto **12 (Twelve Months)** from the date of its issuance.
- f. EMD in any other forms will not be accepted.
- g. EMD/Security Deposit shall be liable to be forfeited in following circumstances:
  - i. Tender is rejected due to failure of supply the requisite documents in proper format or giving any misleading statement or submission of false affidavit or fabricated documents.
  - ii. In case, the contractor does not execute the supply order placed with him within stipulated time, the EMD of the contractor will be forfeited to the Government and the contract for the supply shall terminated with no further liabilities on either party to the contract.
  - iii. Tenderer fails to replace the goods declared to be not of standard quality or not conforming to acceptable standards or found to be decayed/spoilt.
- h. The amount of Earnest Money paid by the tenderer(s) whose tenders are not accepted will be refunded to them by cheque or Demand Draft (as may be convenient to the Tender Inviting Officer if the amount is above ₹.200/-) drawn on any Nationalized or Scheduled Bank payable at Silvassa. Where this mode of payment is not possible the amount will be refunded at the cost of the tenderer.
- i. Only on satisfactory completion of the supply order for and on payment of all bills of the contractor, as to be admitted for payment, the amount of Security Deposit/Earnest Money will be refunded after expiry of guarantee/warranty period, if any, or any such date/period as may be mutually agreed upon.
- j. In case of failure to supply the store, materials etc. ordered for, as per conditions and within the stipulated time, the name articles will be obtained from the tenderer who offered next higher rates or from any other sources, as may be decided by the tender inviting Officer and the loss to the Government on account of such purchases(s) shall be recovered from the former contractor Security Deposit/Earnest Money or bills payable. The contractor shall have no right to dispute with such procedure.
- k. The Earnest Money(s) paid by the tender(s) earlier against any tender(s) or supply order(s) is not adjustable with Earnest Money required by these conditions.

**Security Deposit: (SD)**

- a. The successful tenderer will have to pay within 10 days from the date of demand, an amount equal to 10% of the total value of articles, which may be ordered, as the amount of security deposit.
- b. Non receipt of Security Deposit within stipulated time will result in automatic cancellation of the order for supply without any intimation.

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- c. However in case if any articles are received for which the Security Deposit may not have been deposited, the full Security Deposit as may be due from the contractor will be recovered from the bill(s) for such articles.
- d. The Security Deposit(s) paid by the tender(s) earlier against any tender(s) or supply order(s) is not adjustable with Security Deposit required by these conditions.
- e. In case of failure to replace the accepted and rejected articles from the supplies made, as mentioned in the conditions the loss undergone by the Government will be recovered from the contractor Security Deposit or payment due of any bill(s) to the extent required.
- f. The tender inviting officer will consider extension of time for remitting the Security Deposit as demanded. However, in case of denial to consider such extension the contractor is bound to abide by the limit given and liable to make good for the loss made to the Government on account of his failure to abide by the time limit.

• **Conditions of Contract :**

**1. ACCEPTANCE OF TENDER:**

- a. The tender is liable for rejection due to any of the reasons mentioned below:
  - i. Non-Submission of tender within stipulated time online
  - ii. Submission of tender physically in the Office but not submitted online on <https://dnhtenders.gov.in/nicgep/app>
  - iii. Tender is unsigned or not initialed on each page or with unauthenticated corrections.
  - iv. Non-payment of Earnest Money Deposit (if not exempted)
  - v. Non-Submission of required documents as mentioned in schedule
  - vi. Conditional/vague offers
  - vii. Unsatisfactory past performance of the tenderer.
  - viii. Items with major changes/deviations in specifications/ standard/ grade/ packing/ quality offered
  - ix. Offering an accessory optional even though required to operate the instrument
  - x. Submission of misleading/contradictory/false statement or information and fabricated/ invalid documents.
  - xi. Tenders not filled up properly.
- b. Any discount which the bidder wants to give has to be considered and total final bid amount has to be mentioned clearly in the price bid form on <https://dnhtenders.gov.in/nicgep/app>
- c. Discount offered after price bid opening will not be considered.
- d. The consolidated rates entered in the online website will be taken in to account for preparing price statements. However the tender which is found technically acceptable as well as lowest in terms of evaluated rates only be considered for placing the order.

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- e. The Director, Medical and Health Services may seek any clarifications / explanation / documentary evidence related to offer at any stage from tenderers if required.
- f. All/Taxes/Duties/Royalties Charges payable on the sales/transport etc. within and/or outside the state shall be payable by the supplier.
- g. The department shall not take any responsibility of unloading the goods; the successful bidder has to make arrangements for unloading at the site.
- h. **The rate should be quoted online in the financial bid in the prescribed form given by the department. The rate should be valid for the period of One Year from the date of tenderization and the contract will be valid for the period of Three Years.**
- i. The decision of the Tender Inviting Officer for acceptance/rejection of any articles supplied including the decision for equivalent specifications, standard and quality etc. of articles shall be final.
- j. The right to accept or reject without assigning any reasons or all tenders in part or whole is reserved with the Tender Inviting Officer and his decision(s) on all matters relating to acceptance or rejection of the tenders as a whole or in part will be final and binding to all.
- k. No separate agreement will be required to be signed by the successful tender(s) for the purpose of this contract for supply. Rates tendered/offered in response to the concerned Tender Notice shall be considered as acceptance of all above terms and conditions for supply for all legal purpose.
- l. The rate(s) quoted should be strictly for free delivery at FOR Shri Vinoba Bhave Civil Hospital and will be valid and operative for supply orders issued within one year from the date of invitation of tenders.
- m. Bidder / its sister concerns / companies where its Promoters / Directors either directly or indirectly are involved, should not have ever been blacklisted in tender /

supplies by any state/Central Govt . Bidder should submit affidavit in this regard. The bidder should provide accurate information of litigation or arbitration resulting from contracts completed or under execution by him over the last ten years. False affidavit would lead to blacklisting and termination of the contract at any stage. In such cases all the losses that will arise out of this issue will be recovered from the Tenderer / Contractor and he will not have any defence for the same. In case of bidder / principal is involved / penalized under any investigation of CVC or any State/Central Govt. Commission in relation to the similar work project issue; the bid will be out rightly rejected.

## **2. TERMS OF SUPPLY :**

- a. The packing and labels of all the items to be supplied under the order shall be marked with the words 'FOR U.T. OF DADRA & NAGAR HAVELI- NOT FOR SALE' if the items are packed in packets which are then placed or repacked within a box/ carton/ bottle/ foil, these words will be printed/ marked on both the internal/ external packs and labels. The retail price must not be printed or shown anywhere either on external or internal packs/ box/ carton/ foil.
- b. In event of breakage or loss of stores during transit against requisition order the said quantity has to be replaced by the tenderer. The department will not pay separately for transit insurance and supplier will be responsible for stores.
- c. Railway Receipt or other transport document should be drawn in the favor of Officer Inviting tender.
- d. Items should be door delivered upto 3<sup>rd</sup> floor including labour.
- e. Railway Receipt or other transport document should not be send by VPP or through any Bank as this being a Government Office it is not possible to clear cash demands of Post Office/Bank for delivery of RR or other transport documents unless we have agreed to it as special arrangement.
- f. Extension of time limit for supplies shall be considered by the Tender Inviting Officer. The extension so granted may be with levy of compensation for delay in



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execution of supply (as mentioned in Liquidated Damages) the cost of supplies ordered for at the discretion of the authority competent to grant extension of time limit provided such request is made well in time, depending upon the circumstances and such decision in the matter will be final.

- g. Demurrage charges paid by the Tender Inviting Officer on account of delayed receipt of dispatch documents intimation will be recovered from the bills payable to the supplier.
- h. The supplies, materials etc. of inferior quality standard or of different specifications, brand, manufacturer etc other than that ordered specified and/or incomplete or broken articles will not be accepted. The supplier has to replace the same at his own cost and risk. Intimation of non-acceptance of any materials etc will be sent to the supplier within 10 days from the date of receipt of the stores and the same will be returned to the supplier at his own cost and risk, if he so desires and intimates accordingly within 15 days from the date of dispatch of intimation of the non-acceptance. However, if no communication is received within 15 days from the date of communication the tender Inviting Officer will not be responsible for any damages, loss etc. of such rejected articles.
- i. If at any time after the order for supply of materials the Tender Inviting Officer shall for any reason whatsoever not require the whole or part of the quantity thereof as specified in the order the Tender Inviting Officer shall give notice in writing of the fact to the supplier(s) who shall have to claim to any payment of compensation what so ever on account of any profit or advantage which the supplier(s) might have derived from the supply of articles in full, but which did not derive in consequence of the full quantity of articles not having been purchased, nor shall have any claim for compensation by reasons of any alterations having been made in the original instructions which shall invoice any curtailment of the supply originally contemplated.
- j. The items as mentioned in the list are the approximate estimates invited and actual purchase may more. Accordingly the successful tenderer has no right for any loss/damages with reference to approximate requirement shown in tender and actual requirement.

- k. Inspection will be carried out in the premises of Shri VBCH. If goods to be inspected in factory premises all expenditure to be borne by the Tenderer.

**3. Bid Evaluation Methodology :**

A. **Preliminary Evaluation:** Tender Fee and EMD Submission.

B. **Technical Evaluation:**

- Scrutiny of technical specifications and other relevant documents as asked by the department with the quoted specification.
- Scrutiny of Compliance Statement given by the bidder.
- Sample verification will be done by the department.

*(The samples have to be submitted along with the tender and it will be non-refundable; Samples not submitted by the bidder will be outrightly rejected)*

C. **Financial Evaluation:** Lowest quoted offered by Technically Qualified Bidders.

**4. PAYMENT TERMS :**

- a. 100% of the invoice amount will be paid only after completion of work successfully and submission of Security deposit i.e. 10% of the tender value.

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- b. Price escalation clause will not be entertained under any circumstances.
- c. All bills should be in **TRIPLICATE** and should invariably mention the number and date of work order.
- d. All bills for amount above ₹.5,000/- should be pre-receipted on a Revenue Stamp of proper value. Bills for amount exceeding ₹.5,000/- not pre-receipted on Revenue Stamp of proper value will not be accepted for payment.
- e. Each bill in which Service Tax is charged must contain the following certificates on the body of the bill: **“CERTIFIED”** that the service on which Service Tax has been charged have not been exempted under the Central Service Tax Act or the Rules made there under and the amount charged on account of Service Tax on these service is not more than what is payable under the provisions of relevant Act or Rules made there under”.
- f. No extra charge for transportation, forwarding and insurance etc. will be paid on the rates quoted.
- g. The rates should be quoted only for the items specified in the list of requirement.
- h. GST will be applicable as per present rate time to time.
- i. Rates quoted for items other than the required specification/ make/ manufacture will not be considered.

Signature of Agency  
With Rubber Stamp

***Sd/-***  
**Member Secretary**  
Rogi Kalyan Samiti  
Shri Vinoba Bhave Civil Hospital  
U.T. of Dadra & Nagar Haveli  
Silvassa - 396 230

**ANNEXURE - A**

**UNDERTAKING :**

From: M/s.....

No.....

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To  
The Member Secretary,  
Rogi Kalyan Samiti,  
Shri Vinoba Bhave Civil Hospital Campus,  
U.T. of Dadra & Nagar Haveli,  
Silvassa -396230.

**Sub:** Supply of High Frequency Oscillation Ventilators for SVBCH.  
.....

**Ref:** Tender Enq #.....

Sir,

I/We enclose the necessary documents duly signed, as shown in Annexure 'B' (in order in which they are mentioned). I/We have carefully read and understood the terms and conditions stated in the tenders from and I/We shall abide by all these conditions. I/We further endorse that in particular, the terms and conditions of Delivery Period, Payment Terms, Place of Delivery etc are acceptable to me/us and no representation will be made by me/us afterwards for altering the same.

I/We verify the copies of the certificates/documents enclosed herewith are authentic true copies of the original certificates/documents for verification on demand. I/We undertake to upload the attested copies of certificates/documents required on the website.

I/We will be cautious to see that the uploaded scan documents are legible and i/we understand that if the documents are not legible, my/our tender will be rejected.

I/We verify that I/We are in possession of the requisite licenses/permits required for the manufacture /supply /sale /distribution of the items and further verify that the said licenses/permits have not been revoked/cancelled by the issuing authorities and are valid as on date. I/We also verify that I/We have not been declared defaulter, blacklisted or debarred by any State or Central Government or Constitutional authority or Financial Institution or Judicial Court or any Government undertakings.

I/We also take cognizance of the fact that providing misleading or questionable information or failure to furnish correct or true information to you or any other Officer or failure to comply with any contractual requirement laid down by you will be considered as a serious breach of the terms and conditions of the tender and will invite disqualification and other penal action as deemed fit by the UT Administration.

Thanking You,

Yours faithfully,

Sign & Stamp of Tenderer.

**ANNEXURE - B**

**SCHEDULE OF DOCUMENTS ATTACHED**

<b>Sr. No.</b>	<b>Document / Certificate</b>	<b>Uploaded &amp; Enclosed</b>
<b>A.</b>	<b>General Documents :</b>	
01.	PAN No.	Yes / No
02.	GST Registration.	Yes / No
03.	ISO Certificate.	Yes / No
04.	Partnership Deed / Memorandum / Registration of Firm, etc.	Yes / No
05.	Chartered Accountant Certificate regarding Average Turnover of ₹.25.00 Lacs. In Last 03 Financial Years.	Yes / No
06.	Verification, Undertaking, Checklist and Documents as per Annexure - A.	Yes / No
07.	Scan copy of Terms and Conditions of the tender documents duly Stamped and Signed on each page.	Yes / No
08.	Scan copy of Scope of Work correctly filled with Stamped and Signed on each page.	Yes / No
09.	Affidavit Notorised on Stamp paper - As per clause mentioned at Conditions of Contract - Acceptance of Tender at point - (M)	Yes / No
10.	European CE Certificate.	Yes / No
11.	Original Product Literature of each quoted product.	Yes / No
12.	List of Installations / Users / Customers with Phone Numbers.	Yes / No
13.	Compliance Statement as per format on Annexure - C.	Yes / No
14.	Scan copy of Annexure - B of the Tender Documents duly Stamped and Signed.	Yes / No

It is verified that all the certificates/permissions/documents are valid and current as on date and have not been withdrawn/cancelled by the issuing authority. It is further verified that the represents at Sr.No. A-6, A-9 & A-13 declaration part are as per the format prescribed by the Administration and it is clearly and distinctly understood by me/us that the tender is liable to be rejected if on scrutiny and of these certificates is found to be not as per the prescribed format of Administration.

I/We further undertake to produce on demand the original certificate/ permission/ document for verification at any stage during the processing of the tender.

Date:

Place:

Sign & Stamp of tenderer.

**ANNEXURE - C**

Item Name: \_\_\_\_\_

Model Quoted: \_\_\_\_\_

Make: \_\_\_\_\_

<b>Sr. No.</b>	<b>Specification asked in tender</b>	<b>Specification offered in quoted model</b>	<b>Remarks of deviation</b>

- The format should be used separately for each quoted item on Manufacturer's or Authorized Dealer's Letter Head.

Date:

Place:

Sign & Stamp of tenderer

**AMC / CMC Details:**

1. The Warranty/Guarantee for one year and free service clause to be clearly mentioned by the Manufacturer on their letter head. If the Authorized dealer is going to carry out the service then they have to furnish the authority letter given by the manufacturer to sale/service the specified product in this Territory.
2. Rates for ***AMC / CMC Supply of High Frequency Oscillation Ventilator*** for Seven Year should be mentioned separately in the Financial Bid. It should be clearly mentioned whether AMC / CMC will be done through company itself or its service franchise/dealers. In that case Manufacturing Company must give authority letter to such franchise/dealers on their letter head clearly mentioning free service period and AMC / CMC for period of Seven Years.

<b>Type of AMC / CMC</b>	<b>AMC Rate (excluding taxes)</b>	<b>CMC Rate (excluding taxes)</b>	<b>Executed by (manufacturers/authorized service dealers) Name and address to be specified here</b>
1 <sup>st</sup> Year (after one year warranty)			
2 <sup>nd</sup> Year			
3 <sup>rd</sup> Year			
4 <sup>th</sup> Year			
5 <sup>th</sup> Year			
6 <sup>th</sup> Year			
7 <sup>th</sup> Year			

**Note:**

1. Quoted AMC / CMC price not more than 10% cost of the system, otherwise offer will be outrightly rejected. The rates of AMC / CMC price should be quoted in Indian Rupees only.
2. The Rates quoted should be excluding taxes. Taxes shall be applicable extra as prevalent in the respective Year.
3. The AMC/CMC rates should be mentioned on Manufacturer's letter head or Authorized Service dealer letter head accompanying the dealership letter, else outrightly rejected.



**SCOPE OF WORK:**

**Schedule of Requirements, Specifications and Allied Technical Details:**

**Purchase of High Frequency Oscillation Ventilator under Rogi Kalyan Samiti For Shri Vinoba Bhave Civil Hospital Silvassa.**

**Please fill the details as mentioned below and attach the Scan copy of the same. Format is as under :**

Sr. No.	Particulars	Mfg. Company Required	Unit	Offered Company
1.	<p>➤ <b>High Frequency Oscillation Ventilator.</b></p> <ul style="list-style-type: none"> <li>• <b><u>Specification of Neonatal &amp; Pediatric Modular (Convectional &amp; HFOV) Ventilator upto 30 Kg</u></b></li> </ul> <p>Advanced microprocessor based continuous flow, pressure limited / volume control, time cycled ventilator for very low body weight infants: min. 300gms &amp; max. 30kgs (newborns &amp; pediatrics) both in Convectional</p> <ol style="list-style-type: none"> <li>1. The Ventilator should have an option to upgrade to HFOV in future upto 20 Kg</li> <li>2. Should be an upgradeable design with software / hardware upgradeability for new/ future functions with inbuilt graphic screen of touch screen size minimum 12 inch with below mentioned  <b>Waveforms/ Curves:</b> Pressure, Flow, Volume with user selection. All 3 waveforms should be visible at the same time  <b>Loops:</b> Pressure Volume, Flow Volume, Pressure Flow                      Set/Measured parameters should be available simultaneously along with Loops/Waveforms for doing changes if required</li> <li>3. Should have provision for ventilators to operate on Central air line at 4 bar/60 psi and on external compressors.</li> <li>4. <b>The ventilator should have standard ventilation modes as below:</b> <ol style="list-style-type: none"> <li>a) IPPV/IMV/CMV</li> <li>b) Assist control/PTV</li> <li>c) SIMV</li> <li>d) nCPAP: Dual Limb</li> <li>e) NIPPV with leak compensation: Single Limb &amp; Dual Limb</li> <li>f) PSV</li> <li>g) Volume Guarantee with all modes.</li> <li>h) Backup Ventilation with user adjustable rate</li> </ol> </li> </ol>	Wipro GE/Fabian/ Draeger or “Equivalent”	1 Nos.	

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	<p>in conventional and NIV</p> <p><b>Option Ventilation Mode should be</b></p> <p>a) nCPAP: Single Limb</p> <p>b) nHFO</p> <p>c) HFNC</p> <p>d) HFOV</p> <p><b>5. Should have settings for: in conventional mode</b></p> <p>a) Peak inspiratory pressure: 0 – 65 cm H<sub>2</sub>O</p> <p>b) PEEP: 0 – 35 cm H<sub>2</sub>O</p> <p>c) Inspiratory Time: 0.1 – 3 sec</p> <p>d) Maximum Rate (based on insp. Time and exp. Time): 150 bpm</p> <p>e) Inspiratory flow: 1 – 30 lpm</p> <p>f) Base flow: Automatic/ Manual adjustable from 1 – 10 lpm</p> <p>g) FiO<sub>2</sub>: 21 – 100%</p> <p>h) Waveform- Sign &amp; Square</p> <p>i) Pressure and Flow Trigger facility- with leak compensation upto 50%</p> <p><b>6. Should have real time monitoring at Y piece with the help of proximal flow sensor</b></p> <p><b>7. Pressure Support/ Volume Guarantee</b></p> <p>a) It should be possible to give leakage adapted pressure support to spontaneously breathing patients with a set volume guarantee.</p> <p>b) Volume guarantee should be regulated with lowest possible airway pressure within a set PIP.</p> <p>8. Facility to capture Screen</p> <p>9. O<sub>2</sub> Boost/Suction</p> <p>10. 14 days trending facility</p> <p><b>11. Alarm Setting</b></p> <p>a) Disconnection</p> <p>b) Tube blocked</p> <p>c) Ventilation hose kinked</p> <p>d) High/low Pressure</p> <p>e) High/low Minute Volume</p> <p>f) High Rate</p> <p>g) High Tidal Volume</p> <p>h) Apnea/ apnea alarm time</p> <p>i) High/Low O<sub>2</sub>% (automatic settings)</p> <p>j) Oxygen line failure</p> <p>k) Compressed air failure</p> <p>l) Total electronic failure</p> <p><b>12. Nasal CPAP ventilation</b></p> <p>a) The nasal CPAP Dual limb unit should be self – contained with head strap, hood, nasal prongs, fixing unit- 5Nos.(S,M,L)</p> <p><b>13. HFOV- Upgradable option</b></p> <p>Machine should give HFO upto 20 kg</p> <p>It should have active inspiration and active</p>			

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	<p>expiration in HFOV. It should have monitoring facility of DCO2</p> <p><b>The HFOV Parameters</b></p> <p>a) Frequency in Hz: 3 – 20Hz b) Amplitude control (delta P): 0 to 180 mbar c) MAP: 0 to 45 mbar d) I:E Ratio: 1:1; 1:2;1:3 e) Tidal Volume: 2-300 ml</p> <p>14. It should be possible to convert from conventional to HFOV and viceversa Without disconnection/addition of ckt/hardware by simply change in modes in the same machine.</p> <p>15. Should measure parameters in HFOV such as DCO2,VTHF (tidal volume in HFOV), MV IM (MV in IMV strokes in inspiration), VT imv (MV in IMV strokes in expiration)</p> <p>16. <b>Connectivity</b></p> <p>a) USB b) Ethernet c) RS 232 data output d) VGA for external screen projection e) 24 V DC auxiliary power input f) Aerogen Nebulizer g) Closed loop SPO2 h) ETCO2</p> <p>17. <b>Scope of supply should include following below mentioned items per machine</b></p> <p>a) Conventional Ventilator with NIPPV b) Modular Corrosion free trolley with castor wheels &amp; brakes of the same make of ventilator c) Reusable autoclavable Neonate patient circuit- same circuit should be used for HFO &amp; conventional without need of any external hardware d) flow Sensor cables qty – 2 e) Reusable flow sensor- 2 f) Disposable flow sensor- 2 box g) Servo Controlled Humidifier - External and FDA approved along with all accessories h) Oxygen connecting hose i) pipe with BS5682 oxygen adaptor. j) Air connecting hose pipe with BS 5682 air adaptor for central air line at 4 bar/60 psi or air k) Neonatal test lung l) Operating &amp; service manual</p> <p>18. <b>Quality Standards and Support requirements:</b></p> <p>a) The offered unit should have highest Standard certificate b) The unit should be FDA/CE certified c) The unit should comply with relevant IEC</p>			

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	Certification. d) ISO 13485 Certification 19. <b>Battery backup:</b> 3 Hrs for unit 20. <b>Training:</b> Onsite training should be provided to all concerned staff of the department as & when required. 21. <b>User list:</b> -List of customers using the model quoted with details should be provided 22. <b>Service Centre:</b> Details of qualified service engineer & nearest service center should be provided. 23. <b>Safety Standards:</b> Should have IEC 60601-1//IS 13450 (or Equivalent BIS) for safety & effectiveness of medical equipment. 24. <b>Environmental factors &amp; Power Supply:</b> a) Temperature & Relative Humidity; - Capable of being stored continuously in ambient temperature of 0-50 °c & relative humidity of 15-90% b) Should work on 230 VAC ± 10, 50 Hz single phase supply with Indian 3 pin top. 25. <b>Warranty:</b> Minimum 2 years comprehensive warranty.			

Signature of Agency  
With Rubber Stamp

*Sd/-*  
**Member Secretary**  
 Rogi Kalyan Samiti  
 Shri Vinoba Bhave Civil Hospital  
 U.T. of Dadra & Nagar Haveli  
 Silvassa - 396 230