

**On Line Tender Notice No.76 of 2020-21.**

Administration of  
U.T. of Dadra Nagar Haveli, Daman & Diu  
Office of the Directorate of  
Medical & Public Health Department.  
“Tel.No.0260-2642940, 2640615”  
e-mail ID : [svbch.sil@gmail.com](mailto:svbch.sil@gmail.com)

No. DMHS/P&T/Reagt.&Cons./PCR/2020-21/169/5014

Silvassa.

Date: 30/05/2020

**Short e-Tender Notice**

The Director of Medical & Health Services, Dadra & Nagar Haveli, Silvassa on behalf of President of India, invites on line tender on <https://dnhtenders.gov.in/nicgep/app> from the Manufactures / Authorized Dealers / Suppliers for purchase of Reagents, Consumables and Equipments for COVID-19 PCR Laboratory for CHC, Dadra under Medical & Public Health Department, Silvassa.

Sr. No.	Particulars	Estimated Cost	(E.M.D.) Earnest Money Deposit	Tender Fees (Non-Refundable)	e-Tender ID No.
1.	<b>Purchase of Reagents, Consumables and Equipments for COVID-19 PCR Laboratory at CHC Dadra.</b>	<b>₹.18.92 Lacs</b>	<b>₹.48,000/-</b>	<b>₹.1000/-</b>	2020_UTDNH_4671_1

Bid document downloading Start Date : **30.05.2020.**  
Bid document downloading End Date : **08.06.2020, 09:00 Hrs.**  
Last Date & Time for receipt of Bid : **08.06.2020, 09.30 Hrs.**  
Preliminary Stage Bid Opening Date : **08.06.2020, 09.45 Hrs.**  
Technical Stage Bid Opening Date : **08.06.2020, 10.00 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)

*e-tender ID No.2020\_UTDNH\_4671\_1 Purchase of Reagents, Consumables and Equipments for COVID-19 PCR Laboratory at CHC, Dadra under Medical & Public Health Department, D&NH for the Year 2020-21.*

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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/Bankers 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 under signed.

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: [cppp-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/-*

**Director**

Medical & Health Services  
“Tel.No.0260-2642940, 2640615”  
e-mail ID : [svbch.sil@gmail.com](mailto:svbch.sil@gmail.com)

**Copy to :-**

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

U.T. ADMINISTRATION OF DADRA NAGAR HAVELI, DAMAN & DIU,  
OFFICE OF THE DIRECTORATE,  
MEDICAL AND HEALTH SERVICES, SILVASSA.

Terms and Conditions for the “Purchase of Reagents, Consumables and Equipments for PCR Laboratory at CHC, Dadra under Medical and Public Health Department, D&NH.”

❖ **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) The application for training and issue of digital signature certificates should be made at least 72 hours in advance to the due date and time of tender submission.
- 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 Director of Medical & Health Services,  
Shri Vinoba Bhawe 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:**

Bid document downloading Start Date	:	<b>30.05.2020.</b>
Bid document downloading End Date	:	<b>08.06.2020, 09:00 Hrs.</b>
Last Date & Time for receipt of Bid	:	<b>08.06.2020, 09.30 Hrs.</b>
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Technical Stage Bid Opening Date	:	<b>08.06.2020, 10.00 Hrs.</b>

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 Reagents, Consumables and Equipments for PCR Laboratory at CHC, Dadra under Medical and Public Health Department, 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 **The Director of Medical and Health Services, 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 ₹.48,000/- :**

- 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 **The Director of Medical and Health Services, Silvassa** from any Nationalized or Scheduled Bank authorized by RBI to undertake Government Business.

- 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.
- 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.
  - xii. Non-submission of AMC / CMC rates in prescribed format.
- 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.
- 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. The rate should be quoted in the prescribed form given by the department; **the rate should be valid upto One Year from the date of tenderization.**

- g. All/ Taxes/ Duties/ Royalties Charges payable on the sales/transport etc. within and/or outside the state shall be payable by the supplier.
- h. 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.
- i. 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.
- j. 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.
- k. 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.
- l. The department shall not take any responsibility of unloading the goods; the successful bidder has to make arrangements for unloading at the site.
- 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 WORK EXECUTION :**

- a. Extension of time limit of work order shall be considered by the Tender Inviting Officer. The extension so granted may be without levy of compensation for delay in execution of work the cost of work order 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.
- b. 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.
  - Technical Demonstration if required.
- 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.
- 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 work specified in the list of requirement.

Signature of Agency  
With Rubber Stamp

**Sd/-**  
**Director**  
Medical & Health Services  
“Tel.No.0260-2642940, 2640615”  
e-mail ID : svbch.sil@gmail.com



**ANNEXURE - A**

**UNDERTAKING :**

From: M/s.....

No.....

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To  
Director,  
Medical & Health Services  
Shri VBCH Campus,  
Dadra & Nagar Haveli,  
Silvassa - 396 230.

**Sub:** Supply of Reagents, Consumables and Equipments for COVID-19 PCR Laboratory.....

**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/CE Certificate for equipments.	Yes / No
04.	Income Tax Returns of last three years	Yes / No
05.	Partnership Deed / Memorandum / Registration of Firm, etc.	Yes / No
06.	Turnover Certificate of Chartered Accountants for last Two Years.	Yes / No
07.	Verification, Undertaking, Checklist and Documents as per Annexure - A.	Yes / No
08.	Scan copy of Terms and Conditions of the tender documents duly Stamped and Signed on each page.	Yes / No
09.	Scan copy of Scope of Work correctly filled with Stamped and Signed on each page.	Yes / No
11.	Fresh Affidavit for this Tender -As per clause mentioned at Conditions of Contract - Acceptance of Tender at point - (M)	Yes / No
12.	Original Product Literature of each quoted product for equipments	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-7, A-10 & A-14 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

**SCOPE OF WORK:**

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

**Purchase of Reagents, Consumables and Equipments for COVID-19 PCR Laboratory at CHC Dadra under Medical and Public Health Department, D&NH.**

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

Sr. No.	Particulars	Required Mfg. Company	Unit/ Rate	Qty. Reqd.	Offered Company
1.	0.1 ml PCR strips tube (250)	Quiagen or Equivalent	1 box	04	
2.	1.5 ml PCR ( conical Micro centrifuge ) (Dnase/rnase free)	Himedia/Quiagen/ Eppendorf or Equivalent	1 carba	20000	
3.	0.2 ml PCR tube flat lid (Dnase/rnase free)	Himedia/Quiagen/ Eppendorf or Equivalent	1 carba	5000	
4.	0.5 ml PCR tube (Dnase/rnase free)	Himedia/Quiagen/ Eppendorf or Equivalent	1 test	1000	
5.	2 ml microcentrifuge round bottom with flat lid(Dnase/rnase free)	Standard Company	1 test	20000	
6.	2/1.5 ml microcentrifuge stand	Standard Company	1 bottle	20	
7.	Sterile Nitrile Gloves (100) (Medium)	Standard Company	1 carba	20	
8.	Sterile Nitrile Gloves (100) (large)	Standard Company	1 test	20	
9.	Barrier tips 10 µl (Dnase/rnase free)	Himedia or Equivalent	1 Kit	15000	

*e-tender ID No.2020\_UTDNH\_4671\_1 Purchase of Reagents, Consumables and Equipments for COVID-19 PCR Laboratory at CHC, Dadra under Medical & Public Health Department, D&NH for the Year 2020-21.*

<b>Sr. No.</b>	<b>Particulars</b>	<b>Required Mfg. Company</b>	<b>Unit/ Rate</b>	<b>Qty. Reqd.</b>	<b>Offered Company</b>
10.	Barrier tips 200 µl (Dnase/rnase free)	Himedia or Equivalent	1 Kit	25000	
11.	Barrier tips 1000 µl (Dnase/rnase free)	Himedia or Equivalent	1 Nos	7000	
12.	PCR COLD Racks ( per reagent, 0.2 ml, 0.5ml, mix ) ( 3 each)	Himedia/Quiagen/ Eppendorf or Equivalent	1 Nos	12	
13.	Pipettes 100-1000 µl (compatible with himedia barrier tip)	Himedia/ Finnpiptette or Equivalent	1 Nos	02	
14.	Pipettes 5 – 50 µl (compatible with himedia barrier tip)	Himedia/ Finnpiptette/ Capp or Equivalent	1 Nos	02	
15.	Pipettes 2-20 ul	Himedia/ Finnpiptette/ Capp or Equivalent	1 Nos	03	
16.	Pipettes 20-200 ul	Himedia/ Finnpiptette/ Capp or Equivalent	1 Nos	03	
17.	Pipettes 0.1 to 2.5 ul	Himedia/ Finnpiptette/ Capp or Equivalent	1 Nos	02	
18.	Pipettes 50-200 ul (compatible with himedia barrier tip)	Himedia/ Finnpiptette/ Capp or Equivalent	1 Nos	02	
19.	Thumb press dispensing dropper	Standard Company	1 Nos	7000	
20.	High speed cold centrifuge for 24 samples	Eppendorf/ Remi/ Fisher Scientific Or Equivalent	1 Nos	01	
21.	Mini Spin	Standard Company	1 Nos	01	
22.	Mini vortex mixer	Standard Company	1 Nos	02	

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Sr. No.	Particulars	Required Mfg. Company	Unit/ Rate	Qty. Reqd.	Offered Company														
23.	Micropipette Stand compatible with above Pipettes	Himedia/ Finnpiquette or Equivalent	1 Nos	06															
24.	RnaseZap	Standard Company	1 Nos	04															
25.	DnaseZap	Standard Company	1 Nos	04															
26.	Ethanol, high purity (100% pure, 1 liter)	Standard Company	1 Nos	10															
27.	Iso propyl Alcohol, high purity (100% pure, 1 liter)	Standard Company	1 Nos	04															
28.	Reagent bottles (glass with plastic lid, Autoclavable) (250, 500, 1 liter volume) (5 Each)	Standard Company	1 Nos	15															
29.	Cryo tags square lable (1000)	Himedia or Equivalent	1 Nos	04															
30.	Parafilm roll	Himedia or Equivalent	1 Nos	02															
31.	1.5 ml PCR tube cryo storage box	Himedia or Equivalent	1 Nos	40															
32.	15ml sterile centrifuge tubes with screw lid	Himedia or Equivalent	1 Nos	1000															
33.	Cryogenic permanent marker	Himedia or Equivalent	1 Nos	10															
34.	<p>Deep Freeze (-80°C) 300 Litres</p> <table border="1"> <tr> <td>Internal Volume (Liters)</td> <td>360</td> </tr> <tr> <td>No. of Plasma Bags</td> <td>550</td> </tr> <tr> <td>No. of Trays</td> <td>06</td> </tr> <tr> <td>No. of Internal Door</td> <td>04</td> </tr> <tr> <td>Internal Dimensions WDXH (mm)</td> <td>700 x 510 x 1000</td> </tr> <tr> <td>External Dimensions WDXH (mm)</td> <td>1010 x 987 x 1830</td> </tr> <tr> <td>Minimum Temperature (in AC Room)</td> <td></td> </tr> </table>	Internal Volume (Liters)	360	No. of Plasma Bags	550	No. of Trays	06	No. of Internal Door	04	Internal Dimensions WDXH (mm)	700 x 510 x 1000	External Dimensions WDXH (mm)	1010 x 987 x 1830	Minimum Temperature (in AC Room)		Standard Company	1 No.	01	
Internal Volume (Liters)	360																		
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Internal Dimensions WDXH (mm)	700 x 510 x 1000																		
External Dimensions WDXH (mm)	1010 x 987 x 1830																		
Minimum Temperature (in AC Room)																			
35.	Table Top Sterilizer/ Autoclave (25 Litre Capacity) Fully automatic Micro processor controlled Table Top Autoclave (Steam	Standard Company	1 No.	01															

*e-tender ID No.2020\_UTDNH\_4671\_1 Purchase of Reagents, Consumables and Equipments for COVID-19 PCR Laboratory at CHC, Dadra under Medical & Public Health Department, D&NH for the Year 2020-21.*

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	<p><b>Sterilizer), With Pre and post-Vacuum.</b></p> <ul style="list-style-type: none"> <li>• <b>Specifications :</b></li> <li>1. Steam Generator: Should have independent steam generator.</li> <li>2. Programs: At least 4 factory set programs, 2 test programs, 30 or more programmable cycle present.</li> <li>3. Built-in printer Ethernet connection port for PC via network, USB port to download cycle data to memory device.</li> <li>4. 316L stainless steel chamber and door.</li> <li>5. Chamber has a mirror-like finish.</li> </ul> <ul style="list-style-type: none"> <li>• <b>SAFETY FEATURES.</b></li> <li><b>A] Door Safety Systems:</b></li> <li>1. An electrical solenoid safety component (pressure switch) is installed in the autoclave, which prevents opening of the doors until pressure in the chamber reach room pressure.</li> <li>2. Door chamber cannot be opened when chamber is pressurized.</li> <li>3. Steam is not allowed into the chamber when the door is open.</li> <li>4. Door safety is implemented through interlocks, which prevent both doors from being opened simultaneously.</li> </ul> <ul style="list-style-type: none"> <li><b>B] Double Independent Monitoring:</b></li> <li>The combined digital and mechanical monitoring systems provide a cross-reference and guarantee accurate results. The operator has two means of monitoring temperature and pressure.</li> </ul> <ul style="list-style-type: none"> <li><b>C] Construction:</b></li> <li>1. <b>Chamber &amp; Door :</b> The chamber and doors should</li> </ul>				



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	<p>be constructed of heavy duty 316L or 316Ti Stainless steel. Chamber and door thickness is no less than 6 mm.</p> <ol style="list-style-type: none"> <li>2. The chamber has to be <b>fully jacketed with proof of machine drawing for that particular model.</b></li> <li>3. The chamber floor is slightly sloped towards an internal drain to facilitate drainage.</li> <li>4. A stainless steel mesh strainer protects the drain port from blockage by debris.</li> <li>5. The chamber is mounted on a steel framework, which is height adjustable.</li> <li>6. Door should be operated on hinges with fully automatic locking mechanism with no frequent maintenance.</li> <li>7. The door should not have any turning knobs or sliding hinge or locks.</li> <li>8. Just pushing the door should close with the door and should open by pulling the cover and rest all locking must be automatic.</li> </ol> <p><b>D] Surface Treatment:</b></p> <ol style="list-style-type: none"> <li>1. A passivation layer should be applied to the internal surface through an electro-chemical treatment, which should results in a smooth and shiny Stainless steel.</li> <li>2. <b>The resultant surface is polished to less than 0.8 µm, which is highly protected against corrosion.</b> The internal corners are rounded to aid cleaning.</li> <li>3. Should have at least 5 to 6 instrument trays having same size.</li> </ol> <p><b>E] Jacket:</b></p> <ol style="list-style-type: none"> <li>1. There should have jacket with dry heaters.</li> <li>2. All fitting should be made of stainless steel or bronze, or a mixed of stainless</li> </ol>				

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	<p>steel and bronze. The valves should be ball type, self-cleaning and pneumatically operated.</p> <p><b>• TEMPERATURE AND PRESSURE SENSORS:</b></p> <ol style="list-style-type: none"> <li>1. The temperature and pressure measuring circuits are both linear and designed with components having a high precision.</li> <li>2. The PT100 sensors conform to Class A of the IEC751 standard.</li> <li>3. When the exhaust temperature increases above 80°C (measured by a PT100 sensor at the exhaust drain) then tap water is mixed with the exhaust to drain.</li> <li>4. The control system allows for the calibration of temperature and pressure to be performed digitally.</li> <li>5. Each sensor circuit is calibrated with individual constants to correct the deviation in manufacturing and aging.</li> <li>6. The system uses FLASH memory in which the offset and gain data of the sensors are stored. This data may be entered into the system, through programming or through the autoclave control panel.</li> </ol> <p><b>• AVAILABLE CYCLES:</b></p> <ol style="list-style-type: none"> <li>1. The sterilizer should be design to operate various programs. The Special cycle can be programmed by an authorized supervisor code.</li> <li>2. Programs includes: All Standard Cycles including non manipulable Leak Test and B &amp; D Test.</li> </ol> <p><b>• CONTROL SYSTEM:</b></p> <ol style="list-style-type: none"> <li>1. The control system should be of Allen Bradley or Equivalent Software panel, which uses an easy-to-use</li> </ol>				

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	<p>LCD.</p> <p>2. The main board controls and monitors the physical parameters of the sterilization process and performs the operation sequence of the machine, according to a user selected program, and includes the following features:</p> <ul style="list-style-type: none"> <li>▪ PID (Proportional Integral Differential) pressure control.</li> <li>▪ Digital inputs and outputs for sterilizer control Analog inputs for control and reading temperature and pressure.</li> <li>▪ A USB port for external devices and an optional barcode feature should be provided.</li> <li>▪ Direct connection to an internal thermal printer. An Ethernet communication port for access via a network and Measures chamber pressure and steam generator pressure.</li> <li>▪ FLASH memory stores cycle data for the last 20 cycles even if there is a power failure.</li> <li>▪ Two real-time clocks (RTC) for supervising cycle time errors.</li> <li>▪ In/Out test.</li> <li>▪ Preventative maintenance notification based on number of cycles or time period.</li> <li>▪ The control system controls all system functions, monitors system operations, visually alerts the operator of cycle malfunctions and, on demand, provides visual indication of the chamber temperature and pressure.</li> </ul> <p>• <b>PRINTER:</b> The autoclave is equipped with</p>				

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	<p>a printer, which prints a detailed history of each cycle performed by the instrument.</p> <ul style="list-style-type: none"> <li>• <b>MULTI-COLOR DISPLAY:</b> User interface (UI) has been designed with the following features: <ul style="list-style-type: none"> <li>▪ Multi-color display for easier reading from a distance.</li> <li>▪ Text and color wheel indicates the stage of the cycle.</li> <li>▪ Built-in view of historical cycle data.</li> <li>▪ Multilingual including many languages.</li> <li>▪ The touch screen gives easy access to all control features for operating the autoclave.</li> <li>▪ With technician level password access there are further features available for maintenance, calibration and checking the autoclave.</li> </ul> </li> <li>• <b>AIR FILTER:</b> A microbiological air filter is provided to filter all air entering the sterilizer chamber. The air is used to equalize the Chamber pressure to atmospheric pressure at the end of the Sterilization cycle. The filter should be rated for a particle size of 0.2 µm.</li> <li>• <b>VACUUM PUMP:</b> <ol style="list-style-type: none"> <li>1. The vacuum pump should effectively removes air from the chamber.</li> <li>2. The pump is mounted on vibration absorbers to minimize vibration.</li> <li>3. During vacuumation the flow path of the media is through the condenser (<b>heat exchanger</b>) and the vacuum pump to drain. This protects the vacuum system from excessive temperatures.</li> <li>4. The vacuum pump</li> </ol> </li> </ul>				

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	<p>should be inbuilt in the autoclave and should not be visible from outside.</p> <p>• <b>ALARMS:</b></p> <ol style="list-style-type: none"> <li>1. The autoclave uses visual alarm indicators. Automatic process Checking and failure detection are provided by the control System. In the event of a failure during the sterilization cycle, the system enters an alarm phase, which will safely end the process automatically.</li> <li>2. The range of alarms includes: <ul style="list-style-type: none"> <li>▪ Temperature &amp; pressure sensor failure.</li> <li>▪ Phase time-outs.</li> <li>▪ Door(s) not properly closed.</li> <li>▪ Power failure.</li> <li>▪ No water in the fed water reservoir.</li> <li>▪ Optional utility alarms: no water / no steam / no air</li> </ul> </li> </ol> <p>• <b>CHAMBER INNER DIMENSION :</b></p> <ol style="list-style-type: none"> <li>1. Chamber Dimensions More than 250 X 400 mm.</li> <li>2. Capacity: More than 25 Litters.</li> </ol> <p><b>REMOTE PROCESSING SOFTWARE</b></p> <ul style="list-style-type: none"> <li>▪ The machine should be provided with special software by which the real time machine status should be synchronized by remote PC.</li> <li>▪ The status of running machine can be logged in by any other department, and even the diagnostic report should be seen in real time for service also.</li> <li>▪ When clicking the graph legend a window appears where you can select information to show on the</li> </ul>				

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	<p>graph, including: Analog inputs, and Digital input &amp; outputs for service and maintenance graft.</p> <ul style="list-style-type: none"> <li>▪ The software should provide real-time autoclave display on PC.</li> <li>▪ Should Monitor all activity for multiple autoclaves of same brand</li> </ul> <p><b>ONLINE MONITORING:</b></p> <ul style="list-style-type: none"> <li>▪ The autoclave can be connected to the Ethernet can be monitor simultaneously with special software. The autoclaves display has to be shown on the screen and updated in real-time.</li> <li>▪ User can connect to an autoclave either by specifying its IP address or using the Auto Search feature.</li> <li>▪ The digital key (if needed) should be included in the equipment.</li> </ul> <p><b>Pressure Vessel and Steam Generator Construction</b></p> <ul style="list-style-type: none"> <li>▪ <b>Standards:</b> <ol style="list-style-type: none"> <li>1. ASME Code, Section VIII, Division 1, unfired pressure vessels.</li> <li>2. ASME Code, Section I, for boilers.</li> </ol> </li> <li>▪ <b>Good Practice Standards:</b> <ol style="list-style-type: none"> <li>1. ISO 17665 (replacing ISO 13683 and ISO 11134)</li> </ol> </li> <li>▪ <b>Quality System Standards:</b> <ol style="list-style-type: none"> <li>1. ISO 9001:2000 (Quality Systems)</li> <li>2. Conforms to Medical Device Directive 93/42 EEC and with <b>USFDA Clearance</b></li> <li>3. Conforms to standards: ASME, AAMI/ANSI-ST8, EN 285,UL.</li> <li>4. EN 13060 – Small Steam Sterilizers.</li> <li>5. UL 61010-1 – Safety of Electrical Equipment ..... General Requirements.</li> </ol> </li> </ul>				

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	6. UL 61010-2-040 – Particular Requirement for Steam Autoclaves. 7. ASME Code, Section VIII Division 1 for Pressure Vessels. 8. EN 61326 - EMC Integrity. 9. ISO 17665-1 – Validation and Routine Control. 10. ISO 13485:2003 - Quality Management System - Medical Device. ISO 9001:2008 - Quality Management System.				

Signature of Agency  
With Rubber Stamp

*Sd/-*  
**Director**  
Medical & Health Services  
“Tel.No.0260-2642940, 2640615”  
e-mail ID : svbch.sil@gmail.com