



**GOVERNMENT OF GOA  
Medical Store Depot (MSD),**

**Directorate of Health Services, Campal, Panaji, Goa 403 001**

**Email: msddhsgoa@yahoo.in/ddmsd-heal.goa@gov.in**

**Ph. Nos. 2225646/5540/5668**

**No. 82/DHS/MSD/PT/18-19/1669**

**Dated: 29/11/2018**

**TENDER NOTICE**

**(E-Tendering Mode Only)**

1. E-tenders are invited by the Director, Directorate of Health Services Campal, Panaji Goa on behalf of the Governor of Goa up to 14/12/2018 till 5.00 p.m., for supply of items listed as in the Annexure attached.
2. The tender forms with terms and conditions and list of the items, can be viewed and downloaded online on the website [www.etender.goa.gov.in](http://www.etender.goa.gov.in).
3. The tender "Quotation for Tender no. 82/DHS/MSD/PT/18-19/1669 dated 29/11/2018" should be submitted online. Last date and time for submission of quotation online is **14/12/18 at 5.00 p.m. Non-submission of tenders within the stipulated date and time will not be entertained.**
4. The following payments to be made online through e-payment mode towards Tender document Fee (TDF), e-Tender Processing Fee (TPF), and Earnest Money Deposit (EMD) to be paid online through e-payment mode via:
  - i. National Electronic Fund Transfer (NEFT)/Real Time Gross Settlement (RTGS) /Axis Bank Over the-counter (OTC). Tenderer requires download pre-printed challan towards credit of ITG available on e-tender website and make its payment through any of their bank.
  - ii. Internet Payment Gateway (Debit/Credit card of type VISA, MASTERCARD or RUPAY).
  - iii. Net Banking: Payment can be made through the Internet Banking of Any Bank.  
NOTE: Any Payments made through NEFT/RTGS/OTC will take 24 hours for its reconciliation. Hence the payments through NEFT/RTGS/OTC should be made at least TWO BANK WORKING DAYS in advance before any due date and upload the scanned copy of the challans in the e-Tender website as a token of payment and directly credit the amount to ITG account as generated by challan before 14/12/2018 by 5.00 pm and the copy of NEFT/RTGS/OTC/ debit card/credit card/ net banking (Axis Bank) challan is to be scanned and uploaded along with the bid on the website prior to submitting the hard copies.

Note: For any query of FORM FEE, PROCESSING FEE and EMD (before doing the payment) please contact ITG help desk line two days before closing of tender date: Rajesh- 08554878738, Shridhar - 07888164051, Kiran - 08600651553, Shramit - 9689639092.

<b>Cost of tender document</b>	<b>Earnest Money Deposit (EMD)</b>	<b>Tender processing fee</b>
Rs. 1,000.00	3% of the cost of the items quoted	Rs. 1,500.00

5. The technical bids will be opened online on 17/12/2018 at 10.00 a.m. in the presence of the Purchase Committee members. No bid of the concerned bidders will be opened in case the bidders fail to make the e-payments towards the above costs after the mentioned date and time.
6. Hard copies of technical bids and financial bids of all the uploaded documents in two separate envelopes should also be submitted to this office along with the copy of NEFT/RTGS/OTC/debit card/credit card facility/ net banking (Axis bank) challans of cost of tender document, EMD and tender processing fees on or before 14/12/2018 by 5.00 p.m. Catalogues of all machinery/equipments should be submitted along with the technical bid.
7. The Quotation should be submitted online as per the annexure attached, along with the required documents/certificates. Hard copies of the same to be submitted to this department before the stipulated date and time.
8. The Offer should be firm. Conditional offer will not be considered.
9. The rate should be quoted F.O.R. Destination. Taxes to be mentioned separately.
10. The rates quoted should be valid for a minimum period of 24 months from the date of placement of first Order.
11. The delivery of the goods should be made within a period of one month or earlier from the receipt of the firm order, failing which the order will be treated as cancelled without further notice and Earnest Money Deposit will be forfeited in favour of the Government.
12. The supplier may insure the goods at his own cost to safeguard the delivery of such goods dispatched by him to the consignee, as this Department will not be responsible for the damage or pilferage of goods during transit.
13. The Director of Health Services reserves the right to accept the supply made by the supplier after the expiry of the stipulated delivery period in genuine cases.
14. The Director of Health Services is free to find the market rate of the product that it intends to procure. Final order will be placed to the successful bidder only after a thorough study and comparison of market rate of the product vis a vis the rate quoted by the lowest bidder is done.
15. All applications for the Refund of Earnest Money and the Security Deposits furnished with the Tender should be made only to The Director of Health Services with all the details of the e-payments made along with date and tender number for which it was submitted.
16. The quantities of the items listed in the Annexure are likely to increase or decrease. Orders will be placed depending on the need/requirements of the department, at that point of time. The Directors decision in this regard will be taken as final.

17. Tenderers who do not agree with the Terms and Conditions mentioned herein may not submit their bids.
18. If the Tenderer requires interpretation of any clause, the decision of the Director of Health Services should be taken as final.
19. The nationality of the Tenderer should be specifically mentioned in the Tender.
20. A hands on working demonstration may be required before opening of the financial bid. Unsatisfactory performance at demonstration will disqualify the Tenderer. In exceptional cases the technical committee will have the power to waive the demonstration.
21. The Tenderer should deliver and install the equipment in the concerned department of the Hospital/health centre, give the demonstration, and train the staff of the department free of cost. Delivery should be made as per the requirement anywhere in the state of Goa as mentioned in the order.
22. Price: The Tenderer shall note the scope of work viz. Supply, Installation & Commissioning of Machinery & Equipment, with delivery at site and shall furnish detailed price for machines and accessories as per Schedules attached. (I to VI) in the financial bid.
23. The tenderer should note that the scope of the work comprises of Supply, Installation and Commissioning of the mentioned Machinery & Equipment, Electrification. Safety equipments if required may be quoted separately. However decision of the committee to purchase the same will be final.
24. The Director of Health Services reserves the right to reject any or all tenders without assigning any reasons.
25. The Director of Health Services will not entertain any correspondence with regards to the tender once the lowest bidder is selected.
26. **Completion Period**

The entire work of supply, Installation and Commissioning of the machine ordered including Mechanical & Electrical Works shall be completed in all respects within one month or earlier from the date of placement of the Order, failing which the successful tenderer will be liable for penalty of one fourth percent of the total value of the Order for each day of delay, subject to the maximum of 10% of the total value of the Order. The Director reserves the right to make risk purchase from the next highest Tenderer in case the successful Tenderer fails to execute the order to the satisfaction of the Director within the time limit specified in the order, in which case the first successful tenderer shall be liable to liquidate damages, to compensate for the losses including price difference. The Director however reserves the right to waive the penalty/risk purchase in genuine and deserving cases.
27. The Tenderer should state whether the machine and its accessories offered is
  - a. Manufactured by them in India.
  - b. Machine parts imported and assembled by them in India.
  - c. In either case the tenderer should furnish the following details.
    - i. Full address of the factory where the machine is manufactured or assembled.
    - ii. The description of the machinery installed for the purpose.
    - iii. Name, Age & Qualifications and experience of the person employed for the purpose.

- iv. The documentary evidence by the way of License, Registration Certificate or Any other document issued by a Competent Authority in state Government or Government of India authorizing the Tenderer or the principal to manufacture the machine or assemble the machine as the case may be.
  - v. Name & Address of the Hospital / Diagnostic Centre where the quoted machine has been supplied.
28. The Tenderer shall indicate whether they have got facility for undertaking major repairs of the machines and if so the following details may be furnished.
- i. Full address of the place where repairs would be undertaken.
  - ii. Description of the machinery installed for the purpose.
  - iii. Name, Age, Qualifications and experience of the persons employed for the purpose along with their contact number.
29. The Tenderer shall ensure that the machine remains in working condition throughout 24 hours and accordingly quote their down time. They should indicate in details duly supported by facts and figures in what way and how they are going to keep the down time to the minimum.

30. **GUARANTEE / WARRANTY PERIOD.**

- I. The successful Tenderer shall guarantee the entire system which they will install such as Machine, proper accessories, Electrical gadgets etc; for trouble free performance for a period of two Years from the date of commissioning of entire work satisfactorily. Any defects noticed during the guarantee/ warranty period shall be rectified free of cost including free replacement of parts having manufacturing defects and or faulty workmanship.
- II. The Tenderer shall clearly indicate the number of visits both “Demand” – (Emergency) and “Routine” for servicing /Check –up which they will undertake for replacement of spares etc. free of cost during guarantee/ warranty period.
- III. The Tenderer shall certify that they will undertake/ enter into a 5 years Annual Maintenance Service Contract for a periodical check up/ servicing and Repairs of the Machine supplied, installed and commissioned by them for its full life span.
- IV. The Annual Maintenance contract should include minimum 3 visits i.e. one visit in every 4 months, in addition all break down calls to be attended on top priority.
- V. The tenderer should indicate the value of 5(Five)years maintenance contract (after sales Service), individually for each year as a figure (INR) for unit machine and not as a percentage for a period commencing from the date of the expiry of the guarantee / warranty period of TWO years.

31. **UPDATING OF THE MACHINE:**

The Tenderer shall specify life span of the machine which they quote and undertake to incorporate future development to update the machine as and when required. The difference in price of the replaced parts will be paid by the Directorate at manufacturer’s price.

32. **UNDERTAKING FROM MANUFACTURERS /PRINCIPALS:**

The Tenderer shall furnish along with the tender, an undertaking from their Principal/manufacturer of the machine, that in the event their association/relations with their Principals/manufacturers of the machine either by the way of sole agency/exclusive distributorship or their representative is terminated or discontinued for one reason or the other

by the manufacturers/principals or the tenderer themselves during the life span of the machine, then they would take over /assume or make arrangement to take over /assume to the full satisfaction of the Director of Health Services, the commitments and other obligations which the Tenderers have made to the Director of Health Services.

33. **TAX, EXCISE DUTY, AND OTHER LEVIES:**

Taxes as applicable and as amended by Government from time to time should be specifically mentioned ,failing which no claim for taxesetc will be entertained at a future date.

34. **INSURANCE:**This being Government institution equipment will not be insured by us. They have to be insured by the successful tenderer at their own cost to ensure reaching of the equipment dispatched by them at the destination.

35. **TERMS OF PAYMENT:**In Indian rupees vide ECS.90% of the payment on installation and commissioning and 10% after one month from date of commissioning.

36. In the event of any dispute or difference between the parties hereto in relation to with this tender, the court in Goa shall have exclusive jurisdiction to adjudicate such dispute or difference.

Sd/-

Director of Health Services

## **TECHNICAL BID**

The quotations should be clearly marked with Tender no.82/PT/DHS/MSD/18-19/1669 dated 29/11/2018(Technical Bid) uploading the following documents:-

1. An Earnest Money Deposit calculated @ 3% of the total value of the offer/quotation is to be paid online through e-payment mode via NEFT/RTGS/OTC/debit card/credit card facility/net banking (Axis bank) with pre-printed challans available on e-tendering website and directly credit the amount to ITG account as generated by challan. Any deposit sent earlier for another tender will not be considered, even if the supplies in respect of the said deposit are completed. Earnest money deposit sent in any other form will not be accepted. The firms which are registered with DGS & D should also send Earnest Money Deposit. If any exemption on this behalf is required, they should produce an attested certificate from DGS & D that they are registered for supply of the category of the items covered under the above tender opening and still continue to be registered with them till date.
2. The successful Tenderer will have to submit Security Deposit of five percent of the items being ordered in the form of bank guarantee with a validity of three years from the date of installation/supply for due performance of the supply order. This security deposit will be refunded only after the completion of warranty period. Earnest money deposit will be refunded fully after the receipt of security deposit in case of successful tenderers. If the successful tenderer does not pay the security deposit, the invoices for the same will not be settled for payment and the order will be treated as cancelled. Also the EMD will be forfeited in favour of Government.
3. The successful Tenderer will have to submit an additional security deposit/Bank Guarantee valid for 5 years to the tune of 2 % of the cost of the equipment after completion of warranty period which will cover the entire maintenance period. If regular servicing is not carried out during the maintenance period the security deposit will be forfeited in the favour of the Government. The earlier bank guarantee of 5% will be returned after the submission of fresh bank Guarantee of 2% of the cost of the equipment valid for 5 years.
4. As per notification no. 3/40/2003-IND(Part) dated 8<sup>th</sup> September 2011 issued by Industries Department, Government of Goa, Secretariat, Porvorim Goa, only those Micro and small Enterprises having turnover not exceeding Rs. 10.00crores per annum for the preceding 3 financial years and acknowledged with Entrepreneurs Memorandum Part II by Director of Industries, Trade and Commerce shall be eligible for the benefit under this scheme. A copy of the certificate may be furnished.
5. The Stockist /Distributor who supplies the machinery on behalf of the Manufacturer should furnish/upload Authority letter for this particular Tender, to quote the items on their behalf wherever required.
6. After Sales Service: - The details of network of service centers in the state of Goa with complete address, phone no, fax no, e-mail ID, to be attached/uploaded.
7. The Director of Health Services reserves the right to reject any or all tenders without assigning any reasons.

8. ISO Certificate of the manufacturer / Company is mandatory and should be uploaded/ attached.
9. CE certificate of the manufacturer / Company is to be furnished and should be uploaded/attached for all the equipments.
10. ISI certified equipments/instruments will be accepted only if CE certified are not available.
11. Information in the following format should be submitted for items quoted:-

Sr. no	Name of the item	Manufacturer and Model quoted	Equivalent specifications quoted by the Tenderer, with the name and address of the manufacturer with model	Whether the item quoted by the Supplier is as per the specifications asked for. Indicate against each item clearly – Yes/No	If the tender quoted is not as per specification then variation/deviation should be clearly indicated against each item asked for.	Authorization Letter Yes/No	ISI Yes /No	CE Yes /No	ISO Yes /No	NSIC /SSI	Remark
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12. Name & Addresses of the Government or Private Institutions to whom such equipment's have been supplied especially in Goa, Karnataka & Maharashtra State may be indicated.

Sd/-

Director of Health Services

## FINANCIAL BID

The quotation should be clearly marked as Envelope no 2 along with Tender No. 82 /DHS/MSD/PT/18-19/1669dated29/11/2018and should be quoted for as per the Schedules I to VI attached

1. Should contain any/all documents including any price.
2. The Price should be quoted in Indian Rupees on turnkey basis which should also indicate all taxes FOR destination separately.
3. While filling the respective annexure, if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder in the assigned column rate of such item shall be treated as "0" (ZERO) & will be treated as incomplete tender & will be rejected outright. Kindly enter the name of the bidder in the respective cell.
4. Safety equipments if required for machinery & equipment, to be quoted separately. However Director reserves the right to reject the purchase of the safety equipment. Director's decision in the matter will be deemed final.
5. Taxes as applicable and as amended by Government from time to time should be specifically mentioned ,failing which no claim for taxes etc will be entertained at a future date.
6. The rate quoted should be valid for minimum period of 24 months from the date of placement of first order.
7. Rates of AMC after the stated warranty period along with the number of visits, to be quoted showing **yearly prices of unit machine separately upto 5 years (Year wise)**. Rates to be quoted in Indian Rupees as a figure and not as a percentage. The 5 years AMC rates will be considered while computing cost of the equipment.
8. Prices of spare parts / consumables required for the machine should be quoted separately.
9. The Financial bid of all the tenderers, whether technically selected or rejected can be viewed online. However, the technically rejected items/bids will not be taken into consideration for gradation.
10. The Director of Health Services reserves the right to reject any or all tenders without assigning any reasons.

Sd/-

Director of Health Services



## ANNEXURE - A

### ADDITIONAL QUESTIONS FOR IMPORTED EQUIPMENT MACHINERY

1. Please indicate here prices on the following basis:
  - i. F.O.R.
  - ii. F.A.S. Port of Shipment of your Principals / Manufacturers.
  - iii. C.I.F. Indian Port.
  - iv. F.O.R. Station of dispatch. (also indicate the Station of dispatch)
  
2. For F.O.B./ F.A.S. quotation please indicate here separately :
  - i. Net ex-factory price.
  - ii. Net F.O.B. /F.A.S Prices exclusive of profit / commission.
  
3. In case you are a foreign firm quoting direct please indicate:-
  - i. The name and address of your Indian Agents/Associates/Representative for servicing in India.
  - ii. Net F.O.R. /F.A.S. price inclusive of the amount or remuneration or commission for the Indian Agents/ Associates.
  - iii. Commission/remuneration payable to the Indian agents/ associates in Rupees.
  
4. Please indicate the following particulars:-
  - i. The precise relationship between the foreign manufacturers/Principals and their Indian Agents/Associates.
  - ii. The mutual interest which the Manufacturer/principals and the Indian Agents/ Associates have in the business of each other.
  - iii. Any payment which the Agents/Associates receive in India or abroad from the manufacturer/principals whether commission for the contract or as a general retainer fee.
  - iv. Indian Agents Income Tax Permanent Account Number.
  - v. The foreign suppliers Income Tax Permanent Account Number.

(SIGNATURE OF TENDERER)

## **ANNEXURE – B**

(TENDERER SHOULD FURNISH SPECIFIC ANSWERS TO ALL THE QUESTIONS GIVEN BELOW: TENDERERS MAY PLEASE NOTE THAT IF THE ANSWERS FURNISHED ARE NOT CLEAR AND/OR EVASIVE, THE TENDER QUOTED WILL BE LIABLE TO BE IGNORED)

- 1) Tender No.----- Due Opening on -----
- 2) Offer is open for acceptance for 2 years from the placement of the first order.
- 3) whether the stores offered fully confirm to the technical particulars and specification/ drawings, specified by the purchaser in the schedule to tender, if not mention here details of deviations.
- 4) Brand of Stores offered.
- 5) Name and address of the manufacturer:
- 6) Station of manufacturer:
- 7) Please confirm that you have offered packing :
- 8) What is your permanent Income Tax Account Number & TIN No.
- 9) a) Are you registered with DGS & D for the item quoted, if so, indicate whether there is any monitory limit of registration.  
  
b) In case you are registered with NSIC under Single point Registration Scheme for the item quoted, confirm whether you have attached a photocopy of the registration certificate indicating the items for which you are registered.
1. If you are not registered either with NSIC or with DGS & D, Please state whether you are registered with Directorate of Industries of State Government Concerned.
2. Please furnish your performance statement.
3. Business name and constitution of the firm . Is the firm registered under:
  - i. The Indian Companies Act, 1956.

- ii. The Indian Partnership Act 1932  
(please give full names and address).
  - iii. Any Act, if not, who are the owners  
(Please give full names and address).
4. Whether the tendering firm is /are:
- i. Manufacturer
  - ii. Manufacturer's authorized agents.
  - iii. Manufacturer's stock of the stores  
tendered for.

N.B: If manufacturers, agents, please upload with  
Tender the copy of the Manufacturers authorization.

5. For partnership firms state whether they are registered or not registered under Indian Partnership Act, 1932. Should the answer to this question by a partnership firm be in the affirmative, please state further:-
- a) Whether by the partnership agreement, authority to refer disputes concerning the business of the partnership to arbitration has been conferred on the partner who has signed the tender.
  - b) If the answer to (a) is in the negative, whether there is any general power of attorney executed by all the partners of the firm authorizing the partner who has signed the tender to refer dispute concerning business of the partnership to arbitration.
  - c) If the answer to either (a) or (b) is in the affirmative copy of the partnership agreement and the general power of attorney may be furnished along with the tender, where authority to refer disputes to arbitration has not been given to the partner signing the tender, the tenders must be signed by every partner of the firm.

(Signature of the Tenderer)

SCHEDULE II

*PRICE BID FORMAT FOR ACCESSORIES BOTH ESSENTIAL AND OPTIONAL (ITEMWISE)*

<b>SR. NO.</b>	<b>ITS SPECIFICATION  (ESSENTIAL &amp; OPTIONAL)</b>	<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

SIGNATURE OF THE TENDERER

**SCHEDULE III**

**PRICE BID FORMAT FOR ESSENTIAL SPARES AND CONSUMABLES FOR 2  
YEARS (ITEM WISE)**

<b>SR. NO.</b>	<b>NAME OF THE SPARES AND CONSUMABLES ALONG WITH SPECIFICATION</b>	<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

SIGNATURE OF THE TENDERER

**SCHEDULE IV**

**PRICE BID FORMAT FOR RECOMMENDED SPARES AND CONSUMABLES FOR  
TWO YEARS (ITEM WISE)**

<b>SR. NO.</b>	<b>NAME OF THE RECOMMENDED SPARE AND CONSUMABLES WITH ITS SPECIFICATION</b>	<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

SIGNATURE OF THE TENDERER

**SCHEDULE V**

**INSTALLATION AND COMMISSIONING CHARGES IF ANY (ITEM WISE)**

<b>SR. NO.</b>	<b>NAME OF THE EQUIPMENT/MACHINE INSTALLATION AND COMMISSIONING CHARGES IF ANY</b>	<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

SIGNATURE OF THE TENDERER

**SCHEDULE VI**  
**ELECTRICAL, MECHANICAL WORKS ETC.**

<b>SR.NO.</b>	<b>DESCRIPTION OF WORK</b>	<b>AMOUNT</b>
<b>1</b>	<b>2</b>	<b>3</b>

N.B. For civil works the tenderer should quote lump sum. Works other than Civil the Tenderer shall quote item wise.

SIGNATURE OF THE TENDERER



## ANNEXURE

Sr. No.	Name of the item	Qty.
<b>1.</b>	<p><b>BACTEC MACHINE</b></p> <ul style="list-style-type: none"> <li>• Non invasive technology and modular design.</li> <li>• Fully automated using technology for earlier detection of positives.</li> <li>• Data management system with barcode scanning and simple workflow.</li> <li>• Simple to operate: Accommodate minimum 40 bottles.</li> <li>• User friendly touch screen.</li> <li>• Allow continuous monitoring of bacterial growth.</li> </ul>	<b>01</b>
<b>2.</b>	<p><b>Blood Gas Analyzer</b></p> <ul style="list-style-type: none"> <li>• It should measure Blood Gas (full parameters) in its addition to measure Electrolytes like Na<sup>+</sup>, K<sup>+</sup>, Cl<sup>-</sup>, pH, pO<sub>2</sub>, pCO<sub>2</sub> and Haematocrit.</li> <li>• Calculated parameters: TCO<sub>2</sub>, HCO<sub>3</sub>, Base excess A-aDO<sub>2</sub>, Buffer base etc.</li> <li>• Should display all results in print out.</li> <li>• Should have input parameters of patient Temperature, Hemoglobin FIO<sub>2</sub>, Patient ID etc.</li> <li>• Should have a sample temperature control of 37 degree centigrade.</li> <li>• It should have inbuilt printer.</li> <li>• Analysis time should not be more than 90 seconds.</li> <li>• System should be based on liquid/ gas calibration technology.</li> <li>• System should not be a cartridge based system i.e. electrodes should not be in the cartridge system.</li> <li>• Should work on whole blood and should have syringe and capillary sampling.</li> <li>• Should be with numeric keypad, graphic/LCD display, and inbuilt printer and RS 232 port.</li> <li>• Analyser with memory of storing patient data/ result minimum 250 or more.</li> <li>• System should be supplied complete with all standard accessories, electrodes and start up kits.</li> <li>• Onboard life of reagents should not be less than one month.</li> <li>• Power input: 220 VAC ± 10%, 50 Hz and a suitable one hour back up UPS should be supplied along with analyzer. There should be storage facility of data in case of power failure.</li> <li>• Maintenance free electrode and the unit should be upgradeability for auto quality control.</li> <li>• Should submit certificate of relevant of IEC safety standards.</li> <li>• Any other parts except reagents to be replaced free of cost during warranty period.</li> </ul>	<b>01</b>
<b>3.</b>	<p><b>Ultra Sound Machine for regional blocks with high frequency linear probe</b></p> <ul style="list-style-type: none"> <li>• Operating system: Andriod/ Windows</li> <li>• Scanning mode: Electric convex</li> </ul>	<b>01</b>

	<ul style="list-style-type: none"> <li>• 2D, B, B/B, B/M, 4B.</li> <li>• Gray scale: 256</li> <li>• Scanning depth: Maximum 240 mm</li> <li>• TGC adjustments: 8</li> <li>• Cine loop: 512 frames</li> <li>• Gain 0 – 100 dB adjustable</li> <li>• Central frequency: 3.5 MHz (2.5 – 4.5 MHz)</li> <li>• Port: Type-C, Type-A.</li> <li>• OB/ GYN and lung imaging preset optimizations.</li> <li>• High frequency linear probe for superficial structures for arteries/ muscles/veins.</li> <li>• <b>Incredible image quality and low power</b> Digital beaming forming, continuous dynamic focusing and dynamic apodization SIFULTRAS portable ultrasound transducers and app include decades of expertise and innovation in ultrasound imaging to help you make fast, informed decisions.</li> </ul>	
4.	<p><b>Lumbar Transforaminal Endoscopic Spine Instruments set</b> Instrument set for full-endoscopic transforaminal and extraforaminal technique Vertebris lumbar transforaminal/ extraforaminal 8 mm basic instrument set ..... 892101100 comprising: <b>Endoscope and accessories</b></p> <ul style="list-style-type: none"> <li>• PANOVIEW PLUS Discoscope, 25°, WL 207 mm, ID 4.1 mm working channel, for use with instruments WL 360 mm.....89210.1254</li> <li>• Round adapter.....8791.751</li> <li>• Membrane attachment.....8792.451</li> <li>• Fiber Light cable set: D 3.5 mm, WL 1.8 m (80663518), adapter projector side (8095.07) and adapter endoscope-side (809509), color code orange.....806635181</li> </ul> <p><b>Access instruments for discoscopes with 4.1 mm working channel</b></p> <ul style="list-style-type: none"> <li>• Dilator: Two-channel, for working sleeve 89220.1078.....89220.1508</li> <li>• Working sleeve with 30° oblique window, passage 7.0 mm, WL 185 mm.....89220.1078</li> <li>• Irrigation attachment, with quick-disconnect coupling, for working sleeve 89220.1078.....89220.1308</li> <li>• Extension sleeve, OD 8.0 mm, WL 155 mm.....89220.1408</li> <li>• X-Tractor, for extraction of cylindrical access instruments (working sleeves) .....89230.0000</li> <li>• Hammer.....8866.956</li> </ul> <p><b>Working Instruments:</b> <u>Auxillary Instruments Atraumatic:</u></p> <ul style="list-style-type: none"> <li>• Dissector: OD 2.5 mm, WL 350 mm.....8792.591</li> <li>• Exploring probe comprising: Probe inner jaw (892506625), handle (892500600) Guide tube (15570644) with flexible tip, OD 2.5 mm, WL 290 mm.....892506925</li> </ul> <p><u>Auxillary instruments sharply abrading:</u></p>	01

- Reamer: OD 4.0 mm, WL 350 mm.....89260.1114

Rongeurs, grasping forceps and punches (Color coding for simple identification of the instrument diameter):

- Micro-rongeur, with extended jaw: OD 2.5 mm, WL 360 mm.....89240.1125
- Micro-rongeur, curved upward: OD 2.5 mm, WL 360 mm (fits in 4 mm working channel).....89240.1044
- Micro-rongeur, articulated: OD 4.5 mm, WL 360 mm.....89240.1624
- Nucleus grasping forceps, serrated:  
OD 3.0 mm, WL 360 mm.....89230.1003  
OD 4.0 mm, WL 360 mm.....89230.1004
- Micro-punch: OD 2.5 mm, WL 360 mm.....8792.671
- Micro-punch, curved upward: OD 2.5 mm, WL 360 mm (fits in 4 mm-working channel).....89240.1034

Tube sheath punches:

Tube sheath punch: OD 4.0 mm, WL 360 mm.....89240.1904

**TipControl RF accessories, bipolar**

TipControl RF instrument

TipControl RF instrument set long WL 400 mm\* comprising Bipolar handle (899351100), sheath tube long, OD 2.5 mm (899352010)....899352000

TipControl connection cable for connection with RF devices:

TipControl connection cable, bipolar, \*\* connector for EU flat plug, 2-PIN international power plug, cable length 3 m.....899351210

\* for use with TipControl RF electrode, long, sterile (499352000)

\*\*Radioblator RF 4 MHz radiofrequency surgical system for full-endoscopic spine surgery

Accessories for Vertebriis lumbar transforaminal/ extraforminal 8 mm basic instrument set

**Instrument set for single use**

Access instruments for single use: Spinal Cannula set, OD 1.5 mm, WL 250 mm, pack of 10, sterile.....492201215

Accessory for TipControl RF instrument for single use: TipControl RF electrode, long, sterile, pack of 5.....499352000

Instrument sieve: Instrument sieve Vertebriis lumbar \*\*\*for sterilization comprising:

Sieve basket bottom section, sieve basket lid, 2x locking section, instrument carrier top incl. set of silicone holders, instrument carrier bottom, incl. set of silicone holders L x W x H: 530 mm x 250 mm x 150 mm

\*\*\* supply without instrument set

Instrument set

**Working instruments – transforaminal/ extraforaminal and universal for application with endoscopes with working channel ID 4.1 mm (color**

**coding) and endoscopes with working channel ID 3.1 mm (color coding)**

Rongeur, grasping forceps and punches

Color coding for simple identification of the instrument diameter

- Rongeur, WL 360 mm: OD 4.0 mm.....89240.1004
- Rongeur, double-action jaw insert, WL 360 mm: OD 4.0 mm...89240.1014
- Rongeur, extended jaw insert, WL 360 mm
- Micro-rongeur, curved upward, WL 360 mm: OD 4.0 mm \*\*/ \*\*\*/ \*\*\*\* (fits in 4 mm – working channel).....89240.1044
- Micro-rongeur, articulated, WL 360 mm: OD 4.0 mm \*\*\*/ \*\*\*\* .....89240.1624
- Nucleus grasping forceps, WL 360 mm: OD 4.0 mm \*\*\*/ \*\*\*\* .....89230.1004
- Dissection spreader, WL 360 mm
- Punch, WL 360 mm – OD 4.0 mm.....89240.1024
- Micro-punch, curved upward, WL 360 mm: OD 4.0 mm \*/ \*\*\*/ \*\*\*\* (fits in 4 mm working channel).....89240.1034
- Tube sheath punch, WL 360 mm: OD 4.0 mm\*\*\*/\*\*\*\* .....89240.1904
- Hook scissors, WL 360 mm
- Rongeur, WL 290 mm: OD 4.0 mm\* .....89240.3004
- Rongeur, double-action jaw insert, WL 290 mm
- Punch, WL 290 mm: OD 4.0 mm.....89240.3024
- Micro-punch, curved upward, WL 360 mm: OD 4.0 mm \* (fits in 4 mm – working channel).....89240.1034
- Tube sheath punch, WL 290 mm: OD 4.0 mm \* .....89240.3904

\* - Instrument included in VERTEBRIS lumbar interlaminar basic instrument Set (892101300)

\*\* - Instrument included in VERTEBRIS lumbar transforaminal/ extraforaminal 7 mm basic instrument set (892101200)

\*\*\* - Instrument included in VERTEBRIS lumbar transforaminal/ extraforaminal 8 mm basic instrument set (892101100)

\*\*\*\* - Instrument included in VERTEBRIS lumbar universal 8 mm basic instrument set (892101400)

**Instrument set optional – for application through the endoscope**

Auxillary instruments Sharply abrading

- Annulotome: OD 2.5 mm, WL 350 mm.....8792.581
- Reamer: OD 3.0 mm, WL 350 mm.....89260.1113
- OD 4.0 mm, WL 350 mm.....89260.1114

Auxillary instruments atraumatic

- Exploring hook: OD 2.5 mm, WL 290 mm.....89250.2125
- Dissector: OD 2.5 mm, WL 350 mm..... 8792.591
- Dissector: OD 3.0 mm, WL 350 mm.....89250.1003
- Dissector: OD 4.0 mm, WL 350 mm.....89250.1004

Auxillary instruments atraumatic/ flexible

- Exploring probe comprising Probe jaw insert (892506625), handle (892500600), Guide tube (15570644) with flexible tip, OD 2.5 mm, WL 290 mm.....89250692

- Exploring probe comprising Probe jaw insert (892501625), handle (892500600), Guide tube (15570643) with flexible tip, OD 2.5 mm, WL 350 mm.....8925019

**Working sleeves for application with discoscope892101254**

- Working sleeve, OD 8.0 mm,  
with 30° oblique window, WL 185 mm.....89220.1078  
with 45° oblique window, WL 185 mm.....89220.1038  
for long elevation lip, WL 165 mm .....89220.1068  
with elevation lip, WL 185 mm.....89220.1088
- Basic set of working sleeves,OD 8.0 mm, WL 165 mm, comprising  
Working sleeve without window (15208.264)  
with side window (15208.263)  
with 30° oblique window (15208.262)  
with elevation lip (15208.265)  
for forminoplasty (15208.266).....89220.1908
- Attachments for working sleeves OD 8.0 mm  
Irrigation attachment, with quick-disconnect coupling....89220.1308  
Handle attachment, with quick-disconnect coupling .....89220.1008

**Fluid Control Arthro-Spine – Innovative Fluid Management System**

- **Fluid Control Arthro-Spine:** Fluid Control Arthro-Spine 2204 cpl., irrigation and suction pump with software module spine mode for arthroscopy and full-endoscopic spine surgery with automatic tube recognition, comprising fluid control arthro (2204001), software module spine mode (2204101), tube set with piercing connector (8171223), vacuum tube (8170401), protective filter for gas filtration (4171121) and power cable (244003).....22040012
- **Irrigation:**  
Accessories – reusable: Tube set with piercing connector, with luer-lock connector, autoclavable, incl. 10 substitute membranes, reusable for 20 reprocessing cycles.....8171223  
Accessories – for single use: Tube set with piercing connector (pack of 10), with luer-lock connector, sterile single-use product.....4171223  
Tube set with CARE-LOCK (pack of 10), sterile single use product.....4171224
- **Suction/ Evacuation:**  
Accessories – reusable: Vacuum tube, silicone, autoclavable, for connection of vacuum (pump) with suction container.....8170.401  
Suction container, 3 liters, incl. holder, autoclavable.....8170.981  
Accessories – for single use:  
Suction container, 3 litres (pack of 2).....2215.971  
Drain tube, PVC, with Y-shape piece, length 5 m, sterile single-use product (pack of 10) for connecting instruments with suction container.....4170.901  
to vacuum tube 8170.401, protective filter for gas filtration, hydrophobic (hygiene filter).....4171.121

**Combidrive EN – High Speed Motor System**

**Accessories for High-Speed Motor System and High-Speed Handle**

Burr with distal protection:

- Round burr, carbide, OD 3.0 mm, WL 350 mm, pack of 3....82960.3730
- Outer tube, with distal protection, OD 4.0 mm.....82970.1330
- Round burr, diamond, OD 3.0 mm, WL 350 mm, pack of 3....82960.3930
- Outer tube, with distal protection, OD 4.0 mm.....82970.1330

Burr without distal protection:

- Round burr, diamond, burr head Ø 3.7 mm, WL 350 mm, pack of 3.....82960.3940
- Outer tube, OD 4.0 mm.....82970.1340

High-speed handle:

- Angle handle with adapter 20,000 rpm, INTRA interface.....82950.1301

**High-Speed Motor System**

Combidrive EN for application with high speed accessories and accessories for Power Stick M5

Combidrive EN Set: High-Speed Motor System incl. electronic motor middle, foot pedal and comprehensive accessories.....20951.0000

**Radioblator RF 4 MHz – Multidisciplinary Radiofrequency Surgical System**

**Radiofrequency Surgical System**

TipControl RF accessories, bipolar, short:

- TipControl RF Instrument Set Short, WL 290 mm comprising Bipolar handle (899351100), sheath tube, short OD 2.5 mm (899351010).....899351000
- Tip Control RF electrode, short, sterile, pack of 5.....499351000

TipControl RF accessories, bipolar, long

- TipControl RF Instrument set long, WL 400 mm comprising Bipolar handle (899351100), sheath tube, short, OD 2.5 mm (899352010).....899352000
- TipControl RF electrode, long, sterile, pack of 5.....499352000

TipControl connection cable for connecting to RF device:

Tip Control connection cable, bipolar, connector for EU flat plug, 2-PIN International power plug, cable length 3 m.....899351210

**Radioblator RF 4 MHz**

4 MHz working frequency – precisely focused and tissue preserving, monopolar and bipolar cutting and coagulation modes, program memory for 4 user presets

Radioblator RF device comprising

- Radioblator RF device(2330001), power cable (244003)
- Two pedal foot switch (2330901) and cable
- For disposable neutral electrodes (2330045)

<p><b>5.</b></p>	<p><b>Fully-Automated Biochemistry Analyzer</b></p> <p>1. Technical:</p> <p>1.1 Technical characteristics:</p> <ul style="list-style-type: none"> <li>(a) Fully automated, random access chemistry analyzer, the equipment should be capable of all routine STAT and special biochemical tests including specific protein, therapeutic drugs, drugs of abuse and user defined applications.</li> <li>(b) Throughput: 400 tests/ hour, up to 200t/hour with ISE.</li> <li>(c) Must have direct ISE unit for Na, K and Cl measurement.</li> <li>(d) ISE Electrode should last for 6 month.</li> <li>(e) Must be open ended system with bar code reading optional</li> <li>(f) System should have 12 Wavelengths 340 to 700 nm.</li> <li>(g) System should be supplied with PC, windows based interface and Bi-directional Connection.</li> <li>(h) Minimum reaction volume of 150µl built in/ stand alone.</li> <li>(i) Must have built in Cooled reagent Compartment with minimum 350 ml. with sample volume 2-70 ml.</li> <li>(j) Auto diagnosis of machine errors with message and correction steps.</li> <li>(k) Must have on board capacity of permanent and numbered cuvettes.</li> <li>(l) Separate reagent probe for R1 and R2 and sample.</li> <li>(m) Laundry System with minimum 5 step washing.</li> <li>(n) Sample dead volume maximum 100µl in sample cup and maximum 50µl in paediatric cups.</li> <li>(o) Should have external and internal probe cleaning facility.</li> <li>(p) Calibration should be Linear factor, 2 point/ point to point/ multi point and Exponential with max 8 calibrators per test.</li> <li>(q) Sample type should include Serum, Plasma, Urine, CSF, Body Fluids and Supernatant with atleast 70 sample positions for routine and STAT Test.</li> <li>(r) Should have Light Source with min 1000 hrs. life cycle with bar code facility with option for bar code on/ off.</li> <li>(s) Should have 10,000 Patient Result Storage.</li> <li>(t) Online QC Tracking with levy and Jennings Chart for upto 30 different points.</li> <li>(u) The Equipment should be FDA, European CE/BIS certified.</li> </ul> <p>1.2 User's interface: Built – in/ Automatic</p> <p>1.3 Software and/ or standard of communication (wherever required): Built – in/ Automatic/ Compatible, window based with data processing management system with complete back up of data base for calibration control, patient sample results on daily basis.</p> <p>2. Physical Characteristics:</p> <p>2.1 Heat dissipation: Heat dissipation, should maintain nominal temp. and the heat should be disbursed through a cooling mechanism.</p> <p>2.2 Mobility, portability: Stationary lab installation.</p> <p>3. Energy Source (electricity, UPS, solar, gas water, CO<sub>2</sub>...)</p> <p>3.1 Power requirements: Recharging unit: input voltage – 220V – 240V</p>	<p><b>01</b></p>
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	<p>AC, 50 Hz.</p> <p>3.2 Battery operated: No</p> <p>3.3 Tolerance (to variations, shutdowns): <math>\pm 10\%</math></p> <p>3.4 Protection: Should have over-charging cut-off with visual symbol.</p> <p>4. Accessories, Spare parts, Consumables:</p> <p>4.1 Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables/ reagents (opensystem):</p> <p>(a) Suitable Water plant/ Purification System on RO or any latest technology.</p> <p>(b) External printer.</p> <p>(c) UPS on line pure sine wave for back up of system with PC and IT peripherals for half hour.</p> <p>(d) Open System.</p> <p>(e) One light source.</p> <p>5. Environmental and Departmental Considerations:</p> <p>5.1 Atmosphere/ Ambiance (air conditioning, humidity, dust):</p> <p>(a) Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.</p> <p>(b) Storage condition: Capable of being stored continuously in ambient temp of 0 -50 °C &amp; relative humidity of 15*- 90%.</p> <p>5.2 User's care, Cleaning, Disinfection and Sterility issues:</p> <p>(a) Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/ disposable cover.</p> <p>(b) Sterilization not required.</p> <p>6. Standards and Safety:</p> <p>6.1 Certificates (pre-market, sanitary,...); Performance and safety standards (specific to the device type); Local and/ or international:</p> <p>(a) Should be FDA/ CE/BIS approved product.</p> <p>(b) Manufacturer and supplier should have ISO 13485/ US (FDA)/ EU (CE) certification for quality standards.</p> <p>(c) Shall meet internationally recognized for Electromagnetic Compatibility (EMC) for electromedical equipment: 61326-1</p> <p>(d) Certified to be compliant with IEC 61010-1, 61010-2-281.</p> <p>6.2 Local and/ or international: Manufacturer/ supplier should have ISO 13485 certificate for quality standard.</p> <p>7. Training and Installation:</p> <p>7.1 Requirement for sign-off: Certificate of calibration and inspection from the manufacturer.</p>	
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	<p>7.2 Training of staff (medical, paramedical, technicians):</p> <ul style="list-style-type: none"> <li>(a) Training of users on operation and basic maintenance.</li> <li>(b) Advanced maintenance tasks required shall be documented.</li> </ul> <p>8. Warranty and maintenance:</p> <p>8.1 Warranty: 2 years</p> <p>9. Documentation:</p> <p>9.1 Operating manuals, service manuals, other manuals: Should provide 2 sets (hardcopy and soft-copy) of:</p> <ul style="list-style-type: none"> <li>(a) User, technical and maintenance manuals to be supplied in English/ Hindi language along with machine diagrams.</li> <li>(b) List of equipment and procedures required for local calibration and routine maintenance;</li> <li>(c) Service and operation manuals (original and copy) to be provided.</li> <li>(d) Advanced maintenance tasks documentation.</li> <li>(e) Certificate of calibration and inspection.</li> </ul> <p>9.2 Other accompanying documents: List of important and accessories, with their part numbers and cost.</p> <p>10. Notes:</p> <p>10.1 Service Support Contact details (Hierarchy Wise; including a toll free/ landline number): Contact details of manufacturer, supplier and local service agent to be provided; Any contract (AMC/ CMC/ ad-hoc) to be declared by the manufacturer.</p> <p>10.2 Recommendations or warnings: Any warning signs would be adequately displayed.</p>	
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Sd/-

Director of Health Services



**GOVERNMENT OF GOA  
Medical Store Depot (MSD),**

**Directorate of Health Services, Campal, Panaji, Goa 403 001**

**Email: msddhsgoa@yahoo.in**

**Ph. Nos. 2225646/5540/5668**

**No. 82/DHS/MSD/PT/2018-19/1703**

**Dated: - 05/12/2018**

**CORRIGENDUM**

The following item has been deleted from the annexure at pg. no. 17

<b>Sr. No.</b>	<b>Name of the item</b>	<b>Qty.</b>
<b>4.</b>	<b>BACTEC MACHINE</b> <ul style="list-style-type: none"><li>• Non invasive technology and modular design.</li><li>• Fully automated using technology for earlier detection of positives.</li><li>• Data management system with barcode scanning and simple workflow.</li><li>• Simple to operate: Accommodate minimum 40 bottles.</li><li>• User friendly touch screen.</li><li>• Allow continuous monitoring of bacterial growth.</li></ul>	<b>01</b>

Yours faithfully,

Sd/-

(Dr. Sanjeev G. Dalvi)  
Director of Health Services