

**Government Hospital,Daman  
Administration of Daman and Diu,  
O/O Medical Superintendent,  
Government Hospital,Daman**

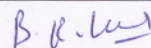
**No.GHD/E-TENDER/2012-2013/ 1987**

**Dated: 20.12.2012**

**RE-INVITED E-TENDER (ON LINE) NOTICE**

The Medical Superintendent, Government Hospital,Daman on behalf of president of India, invites tenders for following items through on –line on [http: Daman.nprocure.com](http://Daman.nprocure.com) from the manufacturer/Authorized Dealers/suppliers having valid Licence. The tender notice also available on [www.nic daman.in](http://www.nic daman.in)

Sr.No.	Description Items	Estimated cost	EMD (in the form of FDR)	Tender fees (Non refundable)
01	Dialysis equipment and furniture	Rs.42.00 lakh	1,05,000/-	Rs.2000/-
Last date of downloading of on line tender documents: upto 07.01.2013 by 12.00 hours				
Last date of submission of online tender document: upto 07.01.2013 by 15.00 hours.				
On line opening of price Bid: If possible on 08.01.2013 at 16.00 hours				
Bidders have to submit price bid in Electronic format only on <a href="http://www.nprocure.com">www.nprocure.com</a> till the last date and time for submission. Price bid in physical formant shall not be accepted in any case.				
Submission of tender fees in the form of DD,EMD in the form of FDR and other supporting documents i.e. copy of valid license from competent authority, copy of VAT/ST Registration and copy of PAN/TAN of income Tax etc, and terms and condition duly signed in hard copy to the undersigned by RPAD/Speed post/by hand on or before 07.01.2013 upto 13.00 hours, however, Tender Inviting authority shall not be responsible for any postal delay.				
The tender inviting authority reserves the right to accept or reject any or all the tenders to be received without assigning any reasons thereof.				
Bidders shall have to post their queries on E-mail address: <a href="mailto:ddmssu.idsp@nic.in">ddmssu.idsp@nic.in</a> on or before dated 05.01.2013 upto 11.00 hours.				
In case bidder needs any clarification or if training required for participating in online tender, they can contact the following office. (n) Code Solution-A division,GNFC Ltd” 403,GNFC Info Tower,Bodakdev, Ahmedabad- 380054, Gujarat (India) E-Mail <a href="mailto:nprocure@ncode.in">nprocure @ncode.in</a> Fax +917926857321 Website: <a href="http://www.nprocure.com">www.nprocure.com</a>				



(Dr.B.R. Chand)  
Medical Superintendent,  
Government Hospital,Daman



**U.T. ADMINISTRATION OF DAMAN & DIU  
O/O THE MEDICAL SUPERINTENDENT,  
GOVERNMENT HOSPITAL, DAMAN  
DAMAN**

**TERMS & CONDITIONS FOR THE  
"Purchase of Dialysis Equipment and Furniture**

**Re-invited E-Tender Notice No.GHD/E-TENDER/2012-2013 /1987      Dated 20/12/2012**

1. The rate(s) quoted should be strictly for free delivery at F.O.R. Government Hospital, Daman and will be valid and operative for supply orders issued on or before 31-03-2013
2. The rates should be quoted inclusive of all taxes, installation & commissioning charge etc.
3. (a) VAT / Sales Tax will be paid on the items on which it is chargeable under the VAT / Sales Tax Act or the Rules made there under. C.S.T. will be paid @ 4% against form 'D'.  
(b) Request for issue of Form 'D' with supply order will not be entertained as Form 'D' will be issued along with payment of respective bill only.
4. Except C.S.T. all other Taxes/Duties/Royalties Charges payable on the sales/transport etc. within and/or outside the state of supplier shall be payable by the supplier.
5. No extra charge for packing, forwarding and insurance etc. will be paid on the rates quoted.
6. The rates should be quoted only for the items specified in the list of requirement and should be for the items of given special mark/manufacture.
7. Rates quoted for items other than the required specification/mark/manufacture may not be considered. However, indigenous manufactures may quote their own makes provided the specifications confirm to the standard(s)/requirements of the given specifications/mark/ manufacturer.
8. Where specifications/mark/manufacture are not specifying by this office, the rates should be quoted only for the 1st class and standard quality. The specification asked for should be written clearly as "Yes" or "No"
9. The Tenderer should specify the name of the manufacturer for the items quoted by him along with catalogue of the item.
10. 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.
11. **The Tenderer should send in advance or enclose along with technical bid an amount of Rs. 1,05,000/- (Rupees one lac five thousand only ) as Earnest Money Inform of Demand Draft / F.D.R. of any scheduled Bank payable at Moti Daman in favor of the officer inviting tenders i.e. Medical Superintendent, Daman. The E.M.D. submitted other than form mentioned above will not be accepted. Tender received without Earnest Money Deposit will be summarily rejected.**
12. (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, that may be order, as the amount of security deposit.  
(b) Non-receipt of Security Deposit within stipulated time limit 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 supplier will be recovered from the bill(s) for such articles.
13. The amount of Earnest Money paid by the successful Tenderer(s) will be adjusted against the amount of Security Deposit to be paid by the successful Tenderer(s) as per condition No. 12 above.
14. The tender should be neatly typed only on letterhead carry the name of supplier and the signature of the Tenderer. No overwriting, correction or erasures will be considered.



15. 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 Rs.1000/- drawn on a branch of State of India or its subsidiary Schedule Bank. Where this mode of payment is not possible the amount will be refunded at the cost of the Tenderer.
16. Only on satisfactory completion of the supplies ordered for and on payment of all bills of the supplier, 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.
17. 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 supplier is bound to abide by the limit given and liable to make good any loss to the Government on account of his failure to abide by the time limit.
18. (a) Railway Receipt or other transport document should be drawn in favor of the Officer Inviting Tenders.  
(b) Railway Receipt or other transport document should not be sent by V.P.P. 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 R.R. or other transport documents unless we have agreed to it as a special arrangement. (c) Railway Receipt or transport should be sent to this Office by Registered Post immediately on dispatch of goods from dispatching end.
19. The supplies of Medicines, Store equipment 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 will have to replace the same at his own cost and risk. Intimation of non-acceptance of any stores Machinery and equipment 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 damage, loss etc. of such rejected articles.
20. In case of failure to replace the accepted and rejected articles from supplies made, as mentioned in the conditions, the loss undergone by the Government will be recovered from the suppliers Security Deposit/Earnest Money or payment due of any bill(s) to the extent required.
21. In case of failure to supply the store, machinery and equipment etc. ordered for, as per conditions and within the stipulated time, the same 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 suppliers Security Deposit/Earnest Money or bills payable. The suppliers shall have no any right to dispute with such procedure.
22. Extensions 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 execution of supply order up to 5% of 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.
23. 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.
24. (i) The supplier(s) of the machinery and equipments shall have to supply spare parts as and when required in on an agreed basis i.e. on agreed on the published catalogue/price lists for an agreed period.  
  
(ii) The supplier (s) shall give adequate advance notice before any spare parts goes out of production to enable the tender Inviting Officer to order for spare parts required in one lot for the life time of respective machinery. (iii) If mutually agreed to the supplier(s) shall make available the blue prints of drawing etc. of the spares if any when required in connection with main machinery/equipments.



25. If at any time after the order for supply of Machinery/stores/equipment 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 no 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 involve any curtailment of the supply originally contemplated.
26. The Earnest Money(s)/Security Deposit(s) paid by the tender(s) earlier against any tender(s) or supply order(s) is/are not adjustable with Earnest Money or Security Deposit required by these conditions,
27. All bills should be in DUPLICATE and should invariably mention the number and date of supply order.
28. All bills for amount above Rs.5000/- should be pre-receipted on a Revenue Stamp of proper value. Bills for amount exceeding Rs.5000/- not pre-receipted on Revenue Stamp of proper value will not be accepted for payment.
29. Each bill in which Sales Tax is charged must contain the following certificate on the body of the bill. "CERTIFIED that the goods on which Sales Tax has been charged have not been exempted under the Central Sale Tax Act or the Rules made there under and the amount charged on account of Sales Tax on these goods is not more than what is payable under the provisions of relevant Act or Rules made there under".
30. The Purchase Committee will open the Tenders in presence of tenderers or their representatives, if any present in the Office of the Tender Inviting Officer. The Purchase Committee will first open the technical bid and considering the technical specification of Surgical Instrument. The Committee will open the financial bid only of those firms who are qualified for technical bid as per minimum specifications given by the department.
31. The right to accept or reject without assigning any reasons any 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.
32. The tenders/offers received do not conform with the terms and conditions of this office will be summarily rejected. If any firm desires to consider exemption from payment of Earnest Money Deposit, certified copies of its Registration with D.G.S. & D. should be attached to their tenders.
33. If the tenderers whose tender is accepted, fails to execute the supply order within stipulated time the Earnest Money Deposit of such tenders will stand forfeited to the Government.
34. In case, the supplier does not execute the supply order placed with him, the EMD of the supplier will be forfeited to the Government and the contract for the supply shall be terminated with no further liabilities on either party to the contract.
35. 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.
36. The items as mentioned in the list are the approximate estimates invited and actual purchase may vary more. Accordingly the successful Tenderer has no right for any loss/damages with reference to approximate requirement shown in tender and actual requirement.



37. The last date of downloading of on line tender documents is up to 07.01.2013 By 12.00 hours. The last date of submission of online tender document is upto 07.01.2013 By 15.00 hours on line opening of price bid if possible is on 08.01.2013 at 16.00 hours. The Bidder have to submit price bid in Electronic format only on. Till the Last date and time for submission. Price bid is physical format shall not be accepted in Any case.
38. Supplier may ensure the goods at his own cost to safeguard the delivery of such goods dispatched by him to the consignee, the department will not be responsible for the damage or pilferage of goods during transit.
39. The tenderers should attached details of civil work to be carried out by this Department for installation/commissioning of Incinerators.
40. The tenderer should attached copies of certificate of experience in the field of supply of Hospital Furniture & Requisites, valid license, proof of fulfilling the norms of IS or ISO, CE Certified specification if any, copy of dealership letter, license for import, PAN No., Catalog of the item quoted etc. with his/their tender. It may please be noted that the tender received without document referred above shall not be considered.
41. The tenderer may be called for a Sample / demonstration of the items quoted for which he/she/they will be informed one week in advance for arranging the necessary Sample / demonstration in the hospital on a suitable date & time failing which the tender will be rejected.
42. The tenderers should give the guaranty/warranty for the period of not less than one year from the date of installation against any manufacturing defect.
43. **AMC: The Rate of Annual Maintenance Contract (AMC) of COMPREHENSIVE NATURE** should be for the period of Three years from the expiry of Guarantee/Warranty period of One year and should Written separately in the financial bid year-wise. The decision to accept the tender with or without AMC is reserve with the purchase committee. .
44. The successful tenderers should install and commissioning the hospital equipment and furniture at the site suggested by the office.
45. The successful tenderers shall be bound to provide training if any required without any extra charges during commissioning.
46. The tenderers shall be bound to give assurance for undertaking the annual maintenance contract after the expiry of guarantee/warranty period.

B.R.Chand

Signature & Designation of  
Tender Inviting Officer

(DR.B.R.CHAND)  
Medical Superintendent  
Government Hospital, Daman

The above terms and conditions are accepted and are binding to me/us.

Place:  
Dated:

Signature of tenderers  
Name of tenderers with seal of the firm

**NOTE:** Please return one copy of these terms & conditions dully sign with seal of firm along with the tender.



**Specification for dialysis equipment.**

**E-TENDER NOTICE NO.GHD/E-TENDER/2012-2013 / 1987 dated 20/12/2012**

Sr. No.	Description
	<b><u>SPECIFICATIONS FOR HAEMODIALYSIS MACHINE</u></b>
1.	<ol style="list-style-type: none"><li>1. Easy to handle and Hygienic design.</li><li>2. Machine should have facility to do Acetate, Bicarbonate, liquid / sterile dry powder cartridge dialysis and sequential dialysis.</li><li>3. Easy to transport and less weight. (&lt; 65 Kg)</li><li>4. Machine should be capable of performing single needle treatment with single pump with minimum re-circulation.</li><li>5. All treatment parameters should be displayed in LCD display.</li><li>6. Machine should have single flow path hydraulic design (no dead space) to ensure highest hygiene and prevent risk of mixing fresh and spent dialysate.</li><li>7. Machine should have all built in safety devices like air detector, blood leak detector, arterial and venous clamp.</li><li>8. Machine should have accurate, independent conductivity based feedback control for acid and bicarbonate proportioning.</li><li>9. Machine should have accurate UF control using flow measurement technique and no moving parts.</li><li>10. Facility for user defined Profiling of Sodium, Bicarbonate and UF.</li><li>11. Automatic self-test facility.</li><li>12. Facility for manual and assist priming.</li><li>13. Facility for rinse back to terminate treatment.</li><li>14. Auto ON / OFF facility.</li><li>15. Blood pump flow rate: 0 and 15 – 500 ml/min</li><li>16. Blood pump supervision: Arterial pressure: - 700 to + 750 mmHg. a. Venous pressure: - 700 to + 750 mmHg</li><li>17. Dialysate Flow Rate: variable between 300 to 700 ml / min in steps of 20 ml/min</li><li>18. Sodium Range: 130 to 160 mmol/ liter</li><li>19. Bicarbonate: 20 to 40 mmol / liter</li></ol>



20. UF volume: 0 to 10 liters.
21. UF Rate: 0 to 4 liters / hour
22. Dialysate temperature: Adjustable from 35 to 39°C
23. Heat disinfection: During heat disinfection temperature should reach up to 92°C
24. Automatic switchover from isolated UF to diffusion
25. Automatic calculation and display of non-diffusion time.
26. Machine should have a facility to change the blood circuit during the treatment in case of blood leak or clotting.
27. Machine should have drain facility at the end of every Rinse/disinfection program.
28. Integrated cleaning function (Heat disinfection with Citric Cleaning) and facility to use cartridges for cleaning de-calcification.
29. Facility to connect disinfection solution permanently in the machine.
30. Machine should have extra options like Kt/V monitoring, BP monitor, Ph monitor, Dialysate Filter and future upgrade for integrated RO.
31. Facility for preprogramming / presetting of all important treatment related parameters so that the machine can be used without feeding data every time.
32. Easy to service, troubleshoot and calibrate.
33. Machine can be connected with computer to feed all data for presetting and to carry out troubleshooting.
34. Inlet supply water pressure: 1.2 to 6 bar
35. Operating voltage 220 to 230 V AC, 50 Hz, 12 amps, single phase.
36. Approved safety standards such as: IEC 60601 – 1  
IEC 60601 – 2 - 16  
IEC 60601 – 1 - 2  
& CE marked

(2)

**Specifications for Dailyzer Reprocessing unit**

- a) Semiautomatic operation for customized cleaning
- b) Able to clean both high flux and low flux dialysers and hemodiafilters
- c) Safe for cellulose based and synthetic membranes
- d) Have facility to test residual volume and membrane integrity
- e) Facility to test fiber leakage
- f) Facility to automatic disinfect the dialyser membranes
- g) Tests Blood port connections and dialyser header caps for proper fitment
- h) Avg. Water flow 1.75 ltr. Per minute and pressure is 20-55 psi
- I) Input supply 220-250 volts, 50-60 hertz, 460 watt maximum 2 Amp j) It is in built dedicated software k) Provides Bar code for each patient



l) Provides Renalin consumption and remaining quantity will be displayed m) Data base Management provides active/ inactive patients / Dialyzers History n) It provides Bar code Label for Authentication, Calibration Patient details o) Provides **Interface Module** that can operate 6 renatrons data base at a time p) **U.S.FDA-Approved**  
q) Quality assurance, ISO 13485-2000 certified by NSAI. (including ISO 9001:1994)  
r) Renalin dialyser reprocessing concentrated ( cold sterilant and disinfectant) is used to clean and disinfect the dialyser. ( One liter of concentrated renalin cleaned and disinfected for **30** dialysers)  
s) Estimated life of equipment - 15 years  
t) Up gradation of software / hardware is not required  
u) Provision for local service:  
v) Basic equipment and accessories:  
a. pressure guage 0-100  
b. Renalin uptake tube assembly  
c. Drain outlet pipe  
d. Drip tray  
w) No buy back policy for this equipment x)  
Specific power supply requirement

Version  
1 - 100-  
120  
VAC  
50/60  
Hz  
Version  
1 - 200-  
240  
VAC  
50/60  
Hz

1. Version 1-4 AMP 460  
w. max Version 2 - 2  
AMP 460 w. ax.
2. **Interface Module with Scanner Gun:** Version 1-0.2  
AMP 20 w. max. 0.1 AMP20w. max.
3. **Printer:** Version 1 - 3.5 AMP 420 w. max. Version 2-  
1.75 AMP 420 w. max.
4. **Monitor:** Version 1 - 0.8 Amp 100 w. max Version 2 -  
0.4 AMP 100 w. max.
5. **Computer:** Version 1 - 0.8 AMP 100 w. max. Version  
2- 0.4 AMP 100 w. max.

**Data Base Management OPTIONAL at Extra Cost.**

- (i). Version 1-4 AMP 460 w.  
max Version 2 - 2 AMP  
460 w. ax.
- (ii) **Interface Module with Scanner Gun:** Version 1-0.2  
AMP 20 w. max. 0.1 AMP20 w. max.
- (iii) **Printer:** Version 1 - 3.5 AMP 420 w. max. Version 2-  
1.75 AMP 420 w. max.
- (iv) **Monitor:** Version 1 - 0.8 Amp 100 w. max Version 2 –  
0.4 AMP 100 w. max.
- (v) **Computer:** Version 1 - 0.8 AMP 100 w. max. Version 2-  
0.4 AMP 100 w. max.



**Specification for Central Water Plant ( Reverse Osmosis System ) including pre treatment filters for Dialysis :**

For Reverse Osmosis (RO)

1. Capable of producing 600 liters per hour of high quality Reverse osmosis treated water (chemically and bacteria free) suitable for hemodialysis.
2. Facility to Rinse, Disinfect and clean the R/O.
3. Facility for on-line monitoring of :- -Raw water conductivity -Pure water conductivity -Rejection flow rate -
4. Microprocessor/PLC control unit.
5. RO pump module should have three phase multistage centrifugal pump with auto over heat cut off facility.
6. Facility to pump Pure water directly to the dialysis unit with return line back to RO unit. ( True On line connection )
7. RO unit should have facility to indicate the following alarms :- -Low flow reject alarm-High conductivity alarm-High conductivity warning -Low level inlet pressure alarm-Motor protect alarm
8. Facility to activate Auto flushing, to flush the loop during the night time once in every two hours for 10 minutes.
9. Password protected Disinfection and Rinse program only by authorized personnel.
10. RO unit should have provision to connect indication lamp (to monitor machine operation ) and alarm lamp and buzzer at the dialysis unit.
11. Easy addition / upgradation of membrane for higher water output capacity ( without change of pump capacity).
12. RO unit should indicate working hours.
13. RO Membrane material : Spiral wound , modified polyamide ( thin filmcomposite )
14. Operating voltage : 3 phase , 380-415 volts a.c, 50 Hz .
15. RO output quality :
16. TDS : > 95 %
17. Bacterial endotoxins : > 99 %
18. Water conversion factor : maximum of 75 %
19. Maintenance and support service by qualified, trained personal.

**II. For Pre-Treatment :**

- 1 Raw water booster pump with auto cutoff facility, preferably local made for easy maintenance and service.
- 2 Micron particle filter to remove suspended particles from the water.
- 3 Activated charcoal filter with programmable timer Control to initiate backwash and purge facility.
- 4 Iron filter with programmable timer control to initiate backwash and purg facility.
- 5 Water softener with programmable timer control to initiate regeneration and auto filling facility.
- 6 One Micron particle filter should be connected before RO module.
- 7 Vender should supply necessary installation material for RO and pre filters.
- 8 Vender should supply extra one set of refilling media for Iron and Activated Charcoal filter.



**PULSE OXIMETER- TABLE TOP.**

- SHOULD BE 7" COLOUR TFT LCD SCREEN LED BACKLIGHT DISPLAY.
- PARAMETER DISPLAY - PLETHYSMOGRAPH, SIGNAL STRENGTH, NUMERIC VALUE OF SPO2 AND PULSE RATE.
- TREND OF SPO2 AND PULSE RATE FOR 24 HOURS
- PITCH TONE VARIATION FOR DIFFERENT SPO2 VALUES
- REAL TIME CLOCK
- CNS - CONNECTIVITY
- BUILT IN RECHARGEABLE NIMH BATTERY

**General**

Display type	TFT LCD with LED back light
Resolution	800x 480 pixels
Sweep speed	25mm/sec
Numerical display	Spo2% and pulse rate
Signal strength	Graphical 8 levels
Displayed trends	24 hours – Spo2 and pulse rate status
Real time clock	Date.,month,year hour and minute
alarms	Visual and audio
keyboard	Flat touch membrane operation keys
weight	2.5 keys approx

**SPO2**

Patient safety	Class 1 Bf
Measurement range	0-100%
accuracy	+/- 2% at 70-100%
Low alarm limit range	50 – 95% 1% steps
High alarm limit range	55 – 100% 1% steps
resolution	1%
Plethysmograph	Continuous plethysmograph display
Pulse tone	Tone variation with change in SPo2 values
alarms	User selectable upper and lower rate limits

**Pulse rate**

range	25 – 250 bpm
accuracy	+/- 2bpm
resolution	1bpm
High alarm limit range	50 – 250 bpm
Low alarm limit range	30 – 40 bpm
Data update period	< 13 sec

**Standard accessories**

SPO2 cable with finger probe	1 no
AC-DC adapter	1 no
fuse	1 no
User manual	1 no



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**Blood Gas Analyser Combined with Electrolyte Analyser**

Blood gas analyzer can measure pH, pO<sub>2</sub>, pCO<sub>2</sub>, HCT, Na<sup>+</sup>, K<sup>+</sup> and Ca<sup>++</sup>

Measuring range and resolution

pH - 6.5 to 8.0; Resolution - 0.001

PO<sub>2</sub> - 5 to 700mmHg; 1mmHg

PCO<sub>2</sub> - 5 to 150mmHg; 1mmHg

Na<sup>+</sup> - 80 to 200mmol/L; 1mmol/L

K<sup>+</sup> - 1.0 to 20.0mmol/L; 1mmol/L

HCT - 10 to 70%; 1%

Ca<sup>++</sup> - 0.25 to 5.0mmol/L; 1mmol/L

Barometric Pressure - 400 to 900mmHg; 1.0Hg

provides all the following calculated parameters as per the tender specifications: Total Hemoglobin, temperature corrected pH, temperature corrected PCO<sub>2</sub>, temperature corrected PO<sub>2</sub>, Bicarbonate, Base excess blood, Base excess in extra cellular fluid, Standard Bicarbonate, oxygen saturation, oxygen content, alveolar arterial oxygen gradient, Respiratory index and pH corrected ionized calcium.

Input parametrs include Patient temperature, Hemoglobin, Fraction of inspired oxygen, sample type, sample source, time drawn, Patient ID, and operator ID.

Calibration can be set as automatic or on demand as per the user requirement, thereby minimizing the daily reagent consumption.

Analyzer has stand by mode. System will be back to ready mode within 5 minutes.

The System utilizes a sophisticated tonometry based Reagent module. The calibrants, Wash and the waste and provided in one hermetically sealed pack. So no need for separate inventory management.

Sample size is 125ul in syringe mode and 95ul in capillary mode.

It has Built in thermal printer. The print out will as per the tender specifications. The Test, date, time, barometric pressure, sample type, patient temperature, hemoglobin and the operator ID will be printed

It has a large LCD display

The system has alpha numeric display for the reproduction of results, maintenace, calibration values and diagnostic guide.

It has a unique universal sampler the can accept both syringe sample and the capillary sample. There is no need for additional attachments

Power supply  $\pm 220V + 10\%$ , 50Hz  $+ 30\%$  single phase AC

Operating temperature 15 to 30°C.

5 to 85% relative humidity, non condensing.

System has RS 232C port

Calibration - fully automatic

Absolutely low maintenance

The soft has inbuilt QC menu with memory for up to 93 results.

The Bloog gas/ electrolyte levels 1,2 and 3 as well the HCT qc levels 1 ans 2 data are stored.

6

**Cardiac Monitor**

Specification :

- Should be US-FDA Approved & CE Approved
- 10.4" colour TFT display with maximum 8 waveforms
- It should measure five basic parameters Spo<sub>2</sub>, NIBP, Temperature, Respiration and Heart Rate.
- It should have large font display mode for distance view.
- 12 lead ECG Analysis
- Nurse call connection should be available.
- LAN/Wireless LAN connection for central monitoring system
- Optional lithium ion battery
- It should be upgradable with Dual IBP,Side Stream



7

EtCo2/Micro Stream EtCo2

- It should be upgradable with External Multi-Gas/O2 Module (infrared absorption technique) to measure the concentration of EtCo2, N2O and five other gases including Des, Iso, Sev, Hel and O2.
- It should have Comprehensive Arrhythmia Review system for real time waveforms and vital data produced prior to, during and after the occurrence of arrhythmia events.
- Handle should have bedrail hook design for ease of transportation.
- It should be upgradable with 3 channel printer for ease of arrhythmia documentation.

8

### **SUCTION MACHINE (NOISE LESS)**

#### **Specifications:**

HIGH VACCUUM, NOISELESS, TROLLEY MODEL

Powerful multipurpose high vacuum → suction

Instant vacuum →

Designed to run continuously for hours at a stretch

Precision regulator →

FULL SS BODY →

1 / 4 H.P. motor working → on 230 VAC

Good for different clinical / medical → & surgical procedures.

On easy moving castors →

- Noise Level : 50 dB A ± 3 Almost whispers
- Pump type : Noiseless Rotary Vane Type
- Vacuum Gauge : 0-760mm Hg (also kPa)
- Power : 220/230V AC, 50Hz, 180 watts, 1Ph
- Capacity : -710mmHg ± 10 at 30~35 ltrs/min

#### **Instrument trolley:**

#### **Specifications:**

Overall approx dimension: 680 mm L x 450 mm W x 900 mm H.

Stainless steel tubular frame mounted on four 125 mm dia. Castor

Wheels with synthetic body, two with brake & two without brake non rusting caster.

Two stainless shelves with protective railings on three sides.

Supplied in SKD condition.

- The product should be systematic phosphate coating powder coating by

7 tank process.

- All welding should be done by CO2 welding machine.

The manufacturing company should Submit following certificate :

- ISO 9001 : 2000 Certificate :
- ISO 14001:2004 Certificate :
- ISO 13485:2003 Certificate :
- OHSAS 18001:2007 Certificate :



**ICCU BED (SEMI MOTORISED)**

- A. The SemiMotorised Bed should allow the Bed's top elevation & back rest positions to be controlled through the corresponding Dual Function Electro-mechanical actuators and it should be adjusted by soft touch hand operated wired remote control system and It also should have Trendlenburg positions, Reverse Trendlenburg positions& Knee rest position operated by screw and lever mechanism.
- B. The Semi MotorisedBed Frame should be made up of 60 mm X 30 mm X 16 G CRCA rectangular tube fitted with four sleeves of 40 mm diameter x 3 mm thick and 85 mm to 90 mm long welded at four corners.
- C. The Overall Approx. Size of bed should be 2180 mm Length x 990 Width.
- D. The Suitable Mattress Size of Semi MotorisedBed should be approx. 2000 mm Length x 890mm Width.
- E. The height of Semi Motorisedwithout mattress should be adjust from 530 mm up to 740 mm via wired remote control system as well as manual operated removable lever.
- F. The Semi MotorisedBed top should be divided into four sections: Head Section, Trunk Section (Back section), Trunk section (lumber section), and leg section.
- G. The Semi Motorised Bed four fix sections top should be made up of 18 G CRCA sheet double press bend and uniformly embossed holes from 15 mm to 25 mm diameter and embossing depth of 4 mm in four rows and distance between holes should be 125 mm apart.
- H. The Trendlenburg position should be from rest position to 15 degree and reverse Trendlenburg position should be from 15 degree rest position and operated by screw and lever mechanism.
- I. The SemiMotorised Bed Knee frame should be made up of 50 mm x 25 mm x 16 G and 25 mm x 25 mm x 18 G tube welded to 25 mm x 5 mm thick flat section.
- J. The knee position should be from rest position to 30 degree and reverse to the rest position and operated by screw and lever mechanism.
- K. The Semi MotorisedBed Backrest and leg end section should be welded to 25.4 mm diameter x 16 G CRCA pipe, fix section should be made up of 25 mm x 25 mm x 18 G CRCA tube and 25 mm x 5 mm M.S. flat welded to main frame.
- L. The Backrest position should be from rest position to 75 degree and reverse at rest position and electrically operated by handset as well as manual operated removable lever.
- M. It should be fitted with Detachable type Collapsible Railing made of stainless steel oval shaped horizontal pipe of size 35mm x 10mm x 1500mm long & 6 No's 15.875 mm dia S.S. vertical pipe. The base should be made up of 31.75 x 31.75 mm by 18 gauge CRCA square pipe. The railing should be operated by a spring loaded S.S. lever & ball mechanism. The Overall Size of the railing should be 1600mm L x 400 mm Ht (when open).
- N. The Semi MotorisedBed should have Stainless Steel telescopic detachable IV Rod. There should be four locations on the bed to mount this IV rod.
- O. The SemiMotorised Bed should have mobile base with four numbers 125 mm diameter heavy duty non rusting castors with polyurethane tyres, two with brakes.
- P. The Head and Leg end Bow should be made by good quality polymer material and It should be Insertable type molded panels which should be easily removable.
- Q. The unit should have the arrangement to hang the Urine bag.
- R. All required M.S. components should be pretreated in separate eight-tank process for better finish, good adhesion and corrosion protection. Process includes Hot Degreasing, De-rusting, Activation, Phosphating and Nos. of water rinses as per IS 3618- 1966 class 'C' type and then pretreated materials is coated with epoxy powder with film thickness of 80 micros (approx.) and then oven baked at 180 degree centigrade.



10	<p><b><u>SALINE STAND - FULL S.S. WITH CASTOR (CE Certified Quality Mark)</u></b></p> <p>Height adjustment from minium height 1370 mm to maximum height 2435 mm</p> <p>Construction: Stainless Steel pipe of 31.75 mm diameter x 1.2 mm thick tube welded to 40 mm x 20 mm x 230 mm long five numbers of rectangular S.S. pipe. 12 mm diameter x1300 mm long x 1.5 mm thick stainless steel pipe welded to 8 mm diameter double hook stainless steel rod. It should have locking sleeve of 75 mm long &amp; threading of 12 mm to give firm locking to saline rod. The stand should be fitted with 5 numbers nylon castors, two with brakes</p>	
11	<p><b><u>Electric Suction Machine LIPO fully stainless steel body</u></b></p> <p>Rotary High-Vac are double stage pumps of larger capacities, which are knows as Lipo for fats extraction and full in cosmetics surgery, the main assembly of the pump consist of a stator with a rotor mounted eccentrically in it. The rotor is fitted with two spring loaded diametrically opposed vanes, which move in and out of their slots pressing against the inner surface of the stator these are oil sealed self lubricated, silent running, it is designed to achieve maximum vacuum in a very short time, it reduce the wear and tear of its components and makes it suitable for noiseless and trouble free performance for years and thus helps in reduction of repair bills, these are very compact but so simple in design that all minor repairs in case of need can be carried out easily, it run continuously for many hours at a time. The entire pump and motor are placed in an attractive solid STAINLESS STEEL cabinet having steel top, which is giving extra protection, reduces heat noise and vibration to the minimum the suction mechanism is oil immersed. The unit is mounted on smooth moving ball bearing heavy-duty castors, and noiseless. It crates vacuum of 700 to 760mm of Hg (28" to 30") the suction system is accurately controlled and precisely regulated by knob this unit is fitted with filter and automatic cut off by float mechanism, vacuum gauge, pilot light and protection fuse, this unit is fitted with 1/2HP ball bearing double shaft motor working on 220-250V single phase 50cycle Suction Capacity: 25Lts /p minutes Max Vacuum: 700mm to 760mm of Hg Consumption: ½ HP Voltage: 220 V 50 Cycles Castors: 5cm Antistatic Weight: Approx 43kg Dimensions: 38cmx38cmx85cm with castor Sound: almost whispers Finish: SS cabinet Suction Jar: 2nos 2500ml with over flow safety device.</p>	
12	<p><b><u>TRAUMACARE CRASH CART – S.S.</u></b></p> <p>Overall approx. size: 970 mm W x 490mm D x 1630 mm H.</p> <p>Construction: Framework should be made up of 25 mm diameter 1.2 mm thick Stainless Steel tube, 100 mm dia. Swiveling castors two with brakes bolted to an outer tube of 25mm x 25mm x 60mm square tube. Trolley should be provided with two modular systems, each system have three polymer drawers two contain rectangular containers, six removable bins are provided below the top tray. Trolley should have three Stainless Steel trays, Tray at Top, Middle &amp; Bottom respectively. Trolley should be provided with massage board, lamp &amp; I.V. Rod, there should be provision of powder coated oxygen cylinder cage fitted at one side of the trolley.</p> <p><u>Finish:</u> All M.S. components should be pretreated in separate eight tank process for better finish, good adhesion and corrosion protection. Process includes Hot Degreasing, Derusting, Activation, Phosphating&amp; No's of Water rinses as per IS 3618 - 1966 class 'C' type and then pretreated materials is coated with epoxy powder with film thickness of 60 microns (approx.) and then oven baked at 180 degree centigrade.</p>	



13	<p><b><u>INSTRUMENT TROLLEY (Full Stainless Steel):-</u></b> Overall Size :- 710 mm L X 460 mm B X 850 mm H (Approx.)</p> <p>Construction :- Frame should be made up of 25 mm x 25 mm and 1.2 mm thick stainless steel tube. Top and bottom frame should be made up of 19 mm x 19 mm and 18G stainless steel tube. Both shelves should be made up of 24 g thick 304 Grade stainless steel sheet press bend and notched to form a cap on top and bottom frame, 12 mm diameter X 16G railing is provided on top shelves on three sides. Trolley should be mounted on 100 mm diameter swiveling casters.</p>	
14	<p><b><u>DRESSING TROLLEY WITH BOWL AND BUCKET (Full Stainless Steel):-</u></b> Overall Size :- 1080 mm L x 460 mm B x 850 mm H (Approx.)</p> <p>Construction:- Frame should be made up of 25 mm X 25 mm and 1.2 mm thick stainless steel tube. Top and bottom frame should be made up of 19 mm X 19 mm and 18G stainless steel tube. Both shelves should be made up of 24G thick 304 Grade stainless steel sheet press bend and notched to form a cap on top and bottom frame, 12 mm diameter X 16G railing is provided on top shelves on three sides. Bowl and bucket should be mounted on rings made up of 20 mm X 3 mm thick stainless steel flat. Diameter of bowl should be 345 mm &amp; bucket should be of 300 mm. Trolley should be mounted on 100 mm diameter swiveling casters.</p>	
15	<p><b><u>STRETCHER ON TROLLEY :- (CE Certified Quality Mark)</u></b> Overall Dimension: - 2035 mm L X 530 mm W X 870 mm H (Approx.)</p> <p><u>Construction</u>:- Frame should be made up of 50 mm X 25 mm X 18G CRCA rectangular tube, upper horizontal support tube should be made up of 25 mm X 25 mm X 18G tube. Four no's 150 mm diameter X 40 mm W heavy duty Swiveling casters bolted to an outer pipe of 31.75 mm diameter.</p> <p>Detachable stretcher top should be 304 Grade Stainless Steel sheet having 1 mm thickness and concave surface of depth 25 mm, stainless steel handles of 25.4 mm diameter and four legs of 31.75 mm diameter pipe with rubber shoes.</p> <p><u>Finish</u>: All components should be pretreated in separate eight tank process for better finish, good adhesion and corrosion protection. Process includes Hot Degreasing, Derusting, Activation, Phosphating &amp; No's of Water rinses as per IS 3618 - 1966 class 'C' type and then pretreated materials is coated with epoxy powder with film thickness of 60 microns (approx.) and then oven baked at 180 degree centigrade.</p>	
16	<p><b><u>Invalid Folding Wheel Chair Regular</u></b> Folding action Moulded Arm Rests Epoxy powder coated Both sides brakes provided Padded seat and back Lifter Rod on both Sides provided 12 sealed bearing used Heavy Gauge of steel used for Indian Road Condition Detachable Leg Rests Fibre Moulded Small Wheels used Fibre moulded leg rest paddle &amp; Big Mag Wheels Used. Regular Size Dimensions Overall Width: 25.5" Folded Width : 11" Width of Sear : 18.5" Depth of Seat From Floor : 20" Total Height : 37"</p>	



	Overall Length : 40.5” Nett wt. : 20Kg Gross Wt. : 30Kg Dimension Tolerance $\pm 0.5$ ”	
17	<b><u>Portable O.T. Light Multi Focal 4 Bulb Floor Model</u></b> Dome Head 515mm Dia Halogen Bulbs 4 Nos. 12vx50Watt Light Intensity at 1 Mt. 70,000 Lux Intensity Control : 4 Stage Height Adjustment : 600 mm Approx Action Radius : 1250 mm Possible Movements : Radial, Angular & Axial Colour Temperature : 4200 K $\pm 300$ K Temp. Rise in Field: 3 °-6 ° c From Amb. Temperature Low Voltage unit with CVT: 1 No. Input Supply Voltage: 220 Volt A.C $\pm 10\%$ 50Hz $\pm 2\%$	



**Tender Form (Financial Bid)**

Sr.No.	Item	Unit	Rate
	(as per technical specifications quoted in the Technical Bid)		
1	Haemodialysis machine	1	
2	Dailyzer Reprocessing Unit	1	
2-A	Date Base Management OPTIONAL at Extra Cost		
(i)	Version 1-4 AMP 460 w. max Version 2-2 AMP 460 W.ax	1	
(ii)	Interface Module with Scanner Gum:: Version 1-0.2AMP 20w Max. 0.1.AMP 20W Max	1	
(iii)	Printer: Version 1- 3.5 AMP 420w. max Version 2.1.75 AMP 420 w. Max	1	
(iv)	Monitor: Version 1-0.8 amp 100 w. max version 2.04 amp 100 w. max	1	
(v)	Computer: Version 1-08 AMP 100 w. max Version 2-0.4 AMP 100 w. max	1	
3	R.O. Plant	1	
4	Pulse Oximeter Table top	1	
5	Blood Gas Analyzer Combined with Electrolyte Analyzer	1	
6	Cardiac Monitor	1	
7	Suction Machine (Noise Less)	1	
8	Instrument Trolley	1	
9	ICCU BED Semi Motorized	1	
10	Saline Stand Fully SS with Castor (CE Certified quality mark)	1	
11	Electric Suction Machine LIPO Fully Stainless Steel Body	1	
12	Trauma care Crash Cart SS	1	
13	Instrument Trolley Fully SS	1	
14	Dressing Trolley with Ball and Bucket with SS	1	
15	Stretcher on Trolley	1	
16	Invalid Folding Wheel Chair Regular	1	
17	Portable OT light Multi Focal 4 Bulb floor model	1	
	The annual maintenance Contract (AMC) of COMPREHENSIVE NATURE for the period of three years from the expiry of Guarantee /Warranty period of one year in respect of item No.1,2,3,4,5 and 17		
1	Haemodialysis machine	First year	
		Second Year	
		Third Year	
	Total		
2	Dailyzer Reprocessing Unit	First year	
		Second Year	
		Third Year	
	Total		
3	R.O. Plant	First year	
		Second Year	
		Third Year	
	Total		
4	Pulse Oximeter Table top	First year	
		Second Year	
		Third Year	
	Total		



5	Blood Gas Analyzer Combined with Electrolyte Analyzer	First year	
		Second Year	
		Third Year	
	Total		
17	Portable OT light Multi Focal 4 Bulb floor model	First year	
		Second Year	
		Third Year	
	Total		