



PHONE NO.- 0141-2228040, 2221679

ESIC MODEL HOSPITAL
LAXMI NAGAR, AJMER ROAD, JAIPUR-302 006
TENDER NOTICE

No:15/ESIC/MH/JPR/STORE/PUR/Inst/09/

Date:14.02.2009

Sealed tenders in two bid systems are invited by Medical Superintendent ESIC Model Hospital, LAXMI NAGAR, AJMER ROAD, JAIPUR 302006 for the supply of following items:-

S.N.	Name of Instrument /Equipment	Quantity	Department	EMD Amount	Bid system	Date of Opening of Bids
1	Automatic Cell Counter	1	Pathology	20000	Two Bid	09.03.2009
2	Auto washer ELISA Reader	1	"	7500	Two Bid	09.03.2009
3	Glycosylated Hemoglobin – Analyzer	1	"	5000	Two Bid	09.03.2009
4	Direct ophthalmoscope	2	Ophthalmology	1000	Two Bid	09.03.2009
5	Indirect ophthalmoscope	1	"	500	Two Bid	09.03.2009
6	Autoclave machine Horizontal with 4-drum capacity (16" x 48")	1	Anesthesia	20000	Two Bid	09.03.2009
7	Pulse Oxymeter with multipara	1	"	6250	Two Bid	09.03.2009
8	Spica Table	1	Orthopedics	1000	Two Bid	09.03.2009
9	Inter locking Set for Bones	1	"	7500	Two Bid	09.03.2009
10	Neonatal Resuscitation Trolley	1	Pediatrics	2250	Two Bid	09.03.2009
11	Double Surface Photo therapy unit	1	"	1000	Two Bid	09.03.2009
12	Oxygen Hoods of Different Sizes(Neonatal, Infant, Child)	1 Pcs Each	"	500	Two Bid	09.03.2009
13	Tympanoplasty Set	1	ENT	1000	Two Bid	09.03.2009
14	Asch's Forceps	1	"	150	Two Bid	09.03.2009
15	Cardiac Monitor with Defibrillator	1	Medicine	7500	Two Bid	09.03.2009
16	Fiber Optic Bronchoscope with accessories	1	Pulmonary Medicine	35000	Two Bid	09.03.2009
17	Pulse Oxymeter Hand Model	1	"	2000	Two Bid	09.03.2009
18	Biofeedback Machine	1	Psychiatry	3000	Two Bid	09.03.2009
19	Doppler (Foetal) Table top	2	Gyn. & Obs	1500	Two Bid	09.03.2009
20	Rowing machine	1	Physiotherapy	300	Two Bid	09.03.2009
21	Static Bicycle	1	"	300	Two Bid	09.03.2009

Interested firms are requested to collect tender form with terms & conditions from Asstt. Director (Admn.) ESIC Model Hospital, Jaipur on any working day from 10 A.M. to 3 P.M. & on Saturday from 10 am to 12 noon at the cost of Rs 200/- in the form of demand draft/Banker Cheque(Non Refundable) in favour of ESIC FUND ACCOUNT No. 1, Jaipur. Payable at Jaipur. Tender documents can also be downloaded from website www.esicrajasthan.com; in that case DD/Banker Cheque for the cost of tender document is to be enclosed with tender. Separate bid has to be submitted for each item. Tender form is to be submitted complete in all respects along with prescribed EMD in favour of ESIC FUND ACCOUNT No.1 Jaipur in form of DD or Banker Cheque only. Tender complete in all respects must be deposited in tender box kept in Asstt. Director (Admn.) room up to 1 pm on 09.03.2009 due date of opening. Tender received late will not be entertained.

Tender will be opened on the due date 09.03.2009 at 2 pm in DMS room, in the presence of bidders or their authorised representatives. If due date of opening is declared holiday, tender will be opened on next working day at same time and place. Medical Superintendent reserves the right to reject any tender or all without assigning any reason(s) thereof.

Medical Superintendent



Phone- 0141-2221679

E.S.I.C. MODEL HOSPITAL
LAXMI NAGAR, AJMER ROAD,
JAIPUR-302 006

M/s.....
.....
.....

(To be returned duly completed latest by 9/03/2009 till 1.00pm otherwise tender shall not be accepted).

Medical superintendent, ESIC Model Hospital Jaipur invites open tender under two bid systems for medical equipments/Instruments as per specifications and term & conditions enclosed.

Prescribed tender forms with terms & Conditions along with the list of items and their respective specifications can be obtained from the Asstt. Director (Admn.) of the Hospital between 9.00 A.M. to 3.00 P.M. (12.00 Noon on Saturday) on all working days from 16.02.2009 to 07.03.2009 on payment of Rs. 200/- in cash, by giving an application on letter head.

**Tender should be submitted in sealed envelop and super scribed a "Tender for"
....., in the office of M.S. ESIC Model Hospital Jaipur in the tender box placed in the chamber of Asstt. Director (Adm.) on date 9/03/2009 up to 1.00pm. In case the tender is sent by post, it must reach in the office of M.S. by date 09/03/2009 up to 1.00pm. Proof of postage won't be considered as a claim for timely submission of tender. The tender shall be opened on the date 9/03/2009 at 2.00pm in the Dy.M.S. room in presence of tenderers or their representative, who wish to be present. In case 9/03/2009 is declared Holy day, bids will be opened on next working day at the same time & venue.**

Encls.

1. Tender Form with Terms & Conditions.
2. Specifications of Equipments & Instruments.

Medical Superintendent



PHONE NO.- 0141-2228040, 2221679

ESIC MODEL HOSPITAL

LAXMI NAGAR, AJMER ROAD, JAIPUR-302 006

Form NO: ESIC/MH/Store/Pur./08-09/.....

PRICE Rs. 200/-

Date of opening of Tender:

Tender form for Medical Equipments/Instruments

Tenders are invited by Medical Superintendent ESIC Model Hospital, Jaipur 302006 for the supply of following items:-

S.N.	Name of Instrument /Equipment	Quantity	Department	EMD Amount	Bid system
1	Automatic Cell Counter	1	Pathology	20000	Two Bid
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20	Rowing machine	1	Physiotherapy	300	Two Bid
21	Static Bicycle	1	..	300	Two Bid

TERMS AND CONDITIONS

1. Tender is required to be submitted in two bids viz 'Technical Bid' and 'Financial Bid' separately superscribing on the envelopes as 'Technical Bid' and "Financial Bid" respectively mentioning the name of equipment and name of tenderer. Each and every page of the quotation is to be serially numbered and duly signed by authorized bidder/signatory. Both the envelopes are to be put in a single envelop superscrib "Tender for (name of the equipment & Instrument) and name of the tenderer and specifying the number of sealed envelopes enclosed/inserted.

(A) Technical bid:- This should include following :

1. EMD (to be furnished in accordance with the instructions at serial No.3 on page 2.)
2. Technical details of the quoted items with reference to tender specifications.
3. Catalogue/literature Make and Model of the Equipment offered.
4. Warranty/Guarantee period.
5. Undertaking for providing AMC/CMC for 5 years or as mentioned in specifications after expiry of Warranty/guarantee period with rates blanked
6. Statement of deviations (parameter-wise) from tender technical specifications
And commercial condition, if any
7. Authority letter from manufacturer in case bid is submitted by authorized agent (**As per annexure III**)

(B) Financial Bid:- It should comprise of following:-

1. The information given in technical bid (A) marked* should be reproduced with prices Indicated. Any deviation in this regard will render the bid liable for rejection. The prices should be all inclusive lump sum prices as per description given in sl. No. 2 below. The price of AMC/CMC for 5 years after expiry of warranty/guarantee period should be given in financial bid only. The tender will not be considered without offer of AMC/CMC. In case of CMC (Comprehensive Maintenance Contract) the rates should be quoted inclusive of spares. Only technical bid (un priced) shall be opened first and shall be referred for the technical evaluation. The financial bid of only those tenderers whose technical bid is found acceptable by the Technical Evaluation Committee will be opened by purchase committee for further action.

2. Rate should be quoted as lump sum price F.O.R. destination in Indian Rupees inclusive of Cost of the equipment, freight, insurance, transit insurance, packaging, forwarding, sales tax, excise duty etc as well as charges for installation and commissioning with all the men and material required for the same. All inclusive lump sum prices need to be accompanied by a statement indicating a clear 'break up' of lump sum price in its various components constituting it along with values/amount indicating against each of such component adding to arrive at all inclusive lump sum price. No other charges in addition will be payable on any account over and above the lump sum price quoted. Price variation clause will not be acceptable. The rates quoted in ambiguous terms such as "freight on actual basis" or "taxes as applicable extra" or packaging forwarding extra will render the bid liable for rejection irrespective of its gradation in respect of lump sum prices quoted. Bidders in their own interest shall ascertain the eligibility of whatsoever concession and exemption eligibility applicable to the Hospital and shall advise the purchaser and quote accordingly. Bidder shall indicate the actual amount of octroi, excise duty, sales tax etc. which becomes otherwise payable in the extreme event of hospital authorities being not in a position to release certificate such as octroi exemption certificate Form-D.

Tender should be typed in words as well as in figures free from erasing and error in typing. The tenderer must attest any erasing/error otherwise the rates in reference of that particular item shall not be considered. The tenderer along with seal of the firm must sign each page of the tender. The covering letter should indicate the list of enclosures

3. **EMD** : shall be deposited by the tenderer by enclosing Demand Draft or Bankers Cheque only in favour of 'ESIC Fund A/c No.1, ESIC MODEL HOSPITAL, JAIPUR -302006 along with Technical bid which shall be refunded to bidders without any interest after finalization of tender.
4. **Security Deposit**: equivalent to 10% of the total cost of the equipment shall have to be deposited by the successful tenderer through Demand Draft/Bankers Cheque or Fixed deposit only in favour of Medical Superintendent, ESIC Model Hospital, Jaipur-302006 on demand. The same shall be released after fulfillment of all contractual obligations and no interest shall be payable thereof.
5. **Supply**: shall be made by successful tenderer within 6 weeks from the date of placement of supply order.
6. **Working Demonstration**: shall be provided in ESIC Model Hospital, Jaipur to Technical Evaluation Committee within stipulated time frame as and when asked for & only two chances for demonstration will be given.
7. **Only manufacturer/authorized distributor/stockiest** of the firm whose item is being quoted would be considered.
8. **Name, Designation and Specimen signature** of the person/representative authorized by the competent authority of the firm to deal with the tender/sign the tender document must be enclosed along with the tender
9. (a) Tenderer must provide Jaipur address, if any, along with the telephone no. and fax no. with tender for all correspondence.
(b)The firm should also provide the complete address along with telephone and fax no. of service station from where after sale service would be provided.
10. **The offer** -should be valid for 1 year from the date of opening of the tender.
11. **Guarantee/warranty** - The equipment should be guaranteed/warranted for minimum period of 1 year or as mentioned in specifications from the date of satisfactory installation.

12. (a) The tenderer shall enclose an undertaking by the manufacturer of the equipment for servicing the equipment and supply of spare parts whenever required at least for 5 years after completion of warranty/guarantee.
- (b) The firm should ensure to keep the equipment in working order throughout the year.
- (c) In event of equipment covered under CMC/AMC going out of order the fault shall have to attend to within 24 hours of lodging the complaint. In case the equipment is not restored in functional order within a reasonable time without acceptable reasons a penalty of 0.5% of total cost of AMC/CMC of the equipment per day for the period of equipment remaining out of order will be levied during AMC/CMC.
- (d) If the equipment needs calibration, the firm shall be responsible for calibration as a part of AMC/CMC
- (e) During the warranty/guarantee period in event of equipment remaining out of order for a period 24 hrs. of lodging the complaint without any acceptable reasons penalty to extent of 0.25% of the purchase value of the equipment shall be levied for each day of the equipment remaining non functional beyond permissible limit.
- 13. For spares** – Along with rates of AMC/CMC a list of commonly used spares with price as on date be also enclosed in financial bid.
- 14. One agent** cannot represent two manufacturers or quote on their behalf in a particular tender for particular item.
- 15. Tenderer** has to submit signed Declaration Form given in the main tender document.
- 16.** Any other miscellaneous items required for equipment may also be quoted in financial bid.
- 17. A certificate from principal that –**
- (a) Regarding AMC/CMC spares and any other miscellaneous items (As applicable) of the equipment quoted will be made freely available for at least 5 years after expiry of warranty/guarantee period (As per annexure II). “To be made part of technical bid”. (b) Information regarding appointment of new agent in case a change of agent shall be furnished immediately (As per Annexure III)
- © A certificate about satisfactory performance of the equipment duly authenticated by other adjusting users of the equipment.
- 18.** Tenderer has to submit a signed undertaking on stamp paper of Rs.100/- (one hundred only) along with tender as per enclosed Annexure-II “To be made part of technical bid”.
- 19.** Tenderer has to submit manufacturer’s authorization certificate on letter head as per **annexure-III** in case bid is submitted by authorized agents “.To be made part of technical bid.”
- 20.** Payment shall be released after satisfactory installation of the equipment.
- 21.** In the event of non supply of equipment ordered the earnest money deposit shall be forfeited.
- 22.** Medical Superintendent reserves the right to reject/accept any or all tenders without assigning any reason thereof and also has right to place order on one or more firms. No Correspondence will be entertained in this regard.

Medical Superintendent

ANNEXURE-I

CHECK LIST

The bidder should ensure that the following information/documents are enclosed along with the bidding documents (Technical Bid).

- | | | |
|--------|--|----------------|
| (I) | EMD (As per Sl. No. 3 of page 2 of Terms & Condition) | Yes/No |
| (II) | Bid-Form and price schedule as given in S.No1 of Terms and conditions | Yes/No. |
| (III) | Five years AMC/CMC charges as given in S.No.1 of Terms & conditions | Yes/No |
| (IV) | (IV) Rate certificate indicating that they have not supplied the said equipment to any individual, Govt. or private institution at the rate lowers than the quoted rate. | Yes/No |
| (V) | Manufacturer's Authorization Certificate (As per Annexure III) in case Bid is submitted by Agents. | Yes/No |
| (VI) | User's list along with the Certificates about SATISFACTORY PERFORMANCE REPORT OF THE EQUIPMENT AND QUALITY OF AFTER SALE SERVICE duly authenticated from existing users of the quoted model of equipment. A list of the users of quoted model, indicating the complete postal address of the users and date of supply of the equipment is also endorsed. | Yes/No |
| (VII) | Authorization Certificate from the Principal/manufacturer that they will be solely responsible for maintenance of equipment during guarantee/warranty and AMC/CMC period even when the Agent is changed during this period (As per Annexure- III) | Yes/No |
| (VIII) | Authorization certificate from principal that spares and any other miscellaneous items (As applicable)of the equipment quoted will be freely available for at least five years after expiry of warranty/guarantee period (As per annexure III) | Yes/No |
| (IX) | Tenderer has to submit a signed undertaking on stamped paper of Rs.100/- (Rupees One hundred only) along with tender (As per Annexure II) | Yes/No |
| (X) | For the equipments where consumables/reusable etc are required a list indicating cost and life of consumables be given. | Yes/No |

NAME, SIGNATURE AND ADDRESS OF THE TENDERER WITH RUBBER STAMP

UNDERTAKING

Date of Opening:

Item No.

Name of Item

To,
Medical Superintendent,
ESIC Model Hospital, Laxmi Nagar,
Ajmer Road, Jaipur 302006

Respected Madam, /Sir,

1. The undersigned certifies that I have gone through the terms and conditions mentioned in the tender document including annexure and undertake to comply with them. The rates quoted by me/us are valid and binding on me/us for acceptance for the period of one year from date of opening of tender.
2. It is certified that rate quoted are the lowest quoted for any institution/Hospital in India. 3. Earnest money deposited by me/us viz Rs. _____ in the form Demand Draft/Banker's Cheque in favour of ESIC Fund Account No.1Jaipur is attached herewith and shall remain in custody of the Medical Superintendent,. ESIC MODEL HOSPITAL, JAIPUR as per SI No 3 of terms and conditions.
4. (A) I/We give the rights to Medical Superintendent, ESIC MODEL HOSPITAL, JAIPUR to forfeit the Earnest Money deposited by me/us if any delay occur on my/agent's part or fails to supply the article at the appointed place and time and of the desired specification.
- (B) I/we undertake that I/we will be in position to provide annual Maintenance contract/comprehensive Maintenance Contract (AMC/CMC) , Spare Parts, and consumables for five years after completion of guarantee/warranty period .I/we also undertake to keep the equipment in functioning state throughout the year and in case of equipment going out of order, the fault will be attended within 24 hours of lodging the complaint failing which, a penalty of 0.5% of the total cost of the AMC/CMC of the equipment per day for the period equipment remains out of order be levied on me/us. During Guarantee/ Warranty period in event of equipment remaining out of order for a period exceeding 24 hrs. of lodging the complaint without any acceptable reasons, penalty to extent of 0.25% of the purchase value of the equipment be levied on me/us for each day of the equipment remaining non functional beyond permissible limit.
5. There is no vigilance/CBI case or court case pending against the firm/supplier.
6. On Inspection if any article is found not as per supply order, it shall be replaced by me/us in time as asked for, to prevent any inconvenience at my /our own expenses.
7. I/we hereby undertake to supply the items as per directions given in supply order within the stipulated period.
8. I/we undertake to provide guarantee/warranty as mentioned in specifications from the date of satisfactory installation and inspection. I also undertake that I will maintain the equipment during this period and replace the defective parts free of cost, if necessary.
9. I/we understand that Medical Superintendent, ESIC Model Hospital, Jaipur , has the right to accept or reject any or all the tenders without assigning any reasons (s) thereof.

NAME, SIGNATURE AND ADDRESS OF THE TENDERER WITH RUBBER STAMP

AUTHORIZATION CERTIFICATE

To,
Medical Superintendent,
ESI C Model Hospital,
Laxmi Nagar, Ajmer Road,
Jaipur 302006

Respected Sir, /Madam,
Authority letter against
Tender No. -----due on -----item quoted-----

-----We,-----, who are established and reputed manufacturers of-----
-----having factory at----- and hereby authorize M/s-----
----- (Name and address of agent) to bid, negotiate and conclude the contract with your institution
against above tender for the above goods manufactured by us. We hereby extend our full guarantee/warranty as per
Clause at S. No. 11 of the Terms & Conditions of tender for the goods offered for supply against this invitation of bid
from the above firm. We also confirm that the spares and any other miscellaneous items (As applicable) of the
equipment quoted will be freely available for at least five years after expiry of warranty/guarantee period.

Our other responsibilities include:

1. Information regarding the name of new agent, in case of change of agent 2. ----- (Here specify
in detail manufacturer's responsibilities) The services to be rendered by M/s-----are as
under

- 1. -----
- 2. -----

(Here specify the services to be rendered by the agent)

Yours faithfully,

(Signature & Name of manufacturer)

SPECIFICATIONS OF AUTOMATIC CELL COUNTER

1. Should be of a reputed make with user friendly operations/display.
2. Should work on 3-Part differential, 19 parameter automated counting basis.
3. Should have dual chamber of RBS & WBC separately.
4. Should have automatic internal & external probe cleaning.
5. Should have reagent level monitoring system/alarm.
6. Should have different adjustable ranges for Adults, Females, Children and Neonates.
7. Should be able to carry out testing for more than 50 samples per hour.
8. Should have memory of 5000 tests or more.
9. Should have a sample volume 20 micro liters or less.
10. Should have enhanced WBC/Platelet measuring range to accommodate high WBC/Platelet counts in cases of Leukemia/Blood Bank samples.
11. Should have on screen video display of Histograms along with parameters to detect abnormal morphologies in the sample.
12. Should have inbuilt thermal printer for the printing of reports & histogram and option for connectivity should be there.
13. Should have local service station for maintenance of equipment.
14. Should carry warranty of minimum one year after installation.
15. Should be having an A.M.C. proposal for a period of 5 years after warranty.
16. Should work on single phase A.C. power supply of 220 +_ 20 V; 50 Hz.
17. Should have a power backup system in case of power failure.

ITEM NO. :2:

AUTO WASHER OF ELISA READER

SPECIFICATION:-

1. Flat or V bottom plates and strips washing.
2. Large LCD display.
3. Automatic monitoring of vacuum and pressure, automatic rinse cycle.
4. Low residual volume
 - <3 micro liter (standard)
 - <1 micro liter (double aspiration)
5. Emergency stop.
6. Liquid warning.
7. 12-way manifold included and 8-way optional.
8. Fluid reservoir capacity.
 - (Wash, waste bottle should be \geq 2L)
9. Should be having A.M.C. proposal after warranty.
10. Should have a local service station for maintenance of equipment.

ITEM NO. :3:

Glycosylated Haemoglobin (Hb-A_{1c})-Analyzer

1. Should be of a reputed make with use friendly operations/ display
2. Should have a local service station for maintenance of instrument
3. Should carry a warranty of minimum one year after installation.
4. LCD display screen.
5. Analyzer works on boronate affinity chromatography method for measurement of Hb-A_{1c} by a compact spectrophotometric analyzer.
6. Test cartridge should have shelf life of 18 months from date of manufacturing.
7. Test cartridge should be available easily locally.
8. Check cartridge used as A_{1c} controls should also be provided with instrument

ITEM NO. :4:

:2:

Direct Ophthalmoscope

- Having lens wheel & correcting lenses 0 to +30/40 and + to -25/-30
With lit reading panel
- Apertures –small circle, semi circle, large circle, Grid illuminated slit, fixation star
- Filter – Red, Blue, polarization filters
- Bulbs -2.5 to3.5 V, 690mA to 750 MA with standard accessories (6 bulbs)
- Handle with reusable Batteries (non chargeable 2 cells standard 1.5 V)

ITEM NO. : 5:

Indirect Ophthalmoscope

- Slit & spot image
- Rotation 360 degree
- Handle (non-Chargeable) computable with 2 standard cells of 1.5 volt.
- Standard accessories
- Pack of 6 lamp (Bulbs) 2.5-3.0 V
- Dust proof filter
- Lens for Indirect Ophthalmoscope.

ITEM NO. :6:

AUTOCLAVE MACHINE HORIZONTAL (HIGH PRESSURE HIGH SPEED STEAM STERLIZER)

1. Shape – Cylindrical
2. Dimension – 16” X
3. – 2.2 Kg /ft/Sq. CM(30 lbs/ Sq. inch)
Operating Pressure – 2.1 +_ 0.15 Kg ft/ Sq. cm.
Working Temperature – 134 C
4. Mode of heating – Electrically heated by 3 immersion heaters of 6 KW each
(18 KW) ISI marked operated on 3 phases.
5. Hydrostatic Test of all parts
Chamber } they should be hydraulically
Jacket } tested to withstand 2.5 times
Boilers } the working pressure
6. Exhaust time – Within one minute
7. Material for Construction
 - Inner chamber, steam jacket should be of heavy gauge, S.S.
sheet with leak argon arc welding.
 - Back plate & ring made of stainless steel should be mounted on
tubular steel frame with a ground level screwed flanges.
 - Door made of stainless steel.
 - Should be fitted with water gauge glass for water level
indication. Water inlet pipes should be of stainless steel.
8. Pressure control – The Piezostat (Pressure control device) should be
incorporated with the sterilizer.
9. Safety door – Self locking single piece of stainless steel plate door
which should not open when pressure is there.
10. Single point control – Multipoint valve on top with two speeds of
exhaust – fast and slow should be there.
11. Jacket pressure on the gauge.
12. Triple safety should be there –
 - a. At boiler level – Piezostat which automatically limits the pressure to required
set level. Spring loaded safety valve should be there in case of
failure which releases the steam to keep the pressure within safety
limits.
 - b. At Chamber level –Spring loaded safety valve. Dead weight release valve in case

Cont.....

:3:

pressure exceeds the safety limits.
Powerful ejector for drying the sterilized
Lenin
Dial thermometer

Automatic vacuum breaker in case of formation of vacuum
due to steam condensation Should have plug screen

13. Spares – Two in numbers. Neoprene Gasket

- Two glass tubes
- One Tool Kit

14. Accessories – Two in number of stainless steel drums (350 mm X 240 mm.
seamless)

- Spare heating element ISI marked (One set)

ITEM NO.:7:

“PULSE OXYMETER WITH MULTIPARA”

DISPLAY:-

LCD with electro illuminant black light.

Large digital display of –

SaO₂

Pulse rate

Blood pressure

Continuous display of high & low alarm limits & pulse bar graph & Plethysmograph.

VISIBILITY:-

From 30 feet in dark & 25 feet in ambient light.

SaO₂:-

Calibration – functional

Range 0 – 100%

Accuracy (+_ 1 Standard deviation)

Alarm range-

Low – off 50 – 99%

High – off 50 – 99%

Pulse rate:-

Range – 20 – 255 beats/ min

Accuracy - \pm 2%

Alarm range-

Low:- off- 5 – 199

High:- 5 – 250 - off

Blood Pressure:-

Alarm indicator:- 3 tone audiovisual alarm for pulse, B.P. + SaO₂.

Audible till not attended

Beep:- Pulse Beep audible from 30 feet

Message:- Message should be displayed on screen. Message of low pulse,
low SaO₂, low B.P., low battery, Beep, Beep silence & alarm
silence should be there.

Power:- A.C. input – 9V

Main input of 230 V (Isolated charger)

Battery Ni Cad battery of 6V

Battery backup should be 3 – 6 hours

Environment:-

Operating

Temp - 10 – 60 C

Humidity - 10 – 95% RH

Cont.....

:4:

It should be light weight

Sensor Emitter Wavelength

Red LED – Peak wavelength is 650 – 665

Infra Red LED – Peak wavelength is 930 – 950

Average Power > 1 inv.

The sensor should be sensitive and durable and should be able to facilitate monitoring of Neonates & poorly perfused patients.

It should be ISI & ISO marked :-

Pulse Oxymeter should be provided with –

- Carry case
- Probe Oximetry finger
- Instruction Manual
- Charger
- Cable Oximetry

ITEM NO. :8

SPICA TABLE

1. The table is conforming to Watson Jones type design with (762mm+/- 10mm) height, (1829mm=/- 10mm) Length and breadth(762mm+/-, with leg size 3" X3" (76 X 76mm) & cross bar 3" X1" (76 X 25 mm) table to be epoxy powder of white shade and a paint film of 50 microns as per conforming to is 3618-1966 class c.
2. The material being use in table is conforming to is 4033 also this product is manufactured in accordance to ISI (BIS) specifications in respect of materials, welding process test & performance. Which will be in confirmation of bis or equivalent standard.
3. This table will be provided with all necessary attachments like.:-
 - (a) Set of mattress.
 - (b) Pelvic support with adjustable height.
 - (c) Set of three hip rest plates.
 - (d) Traction shoes set metal made.
 - (e) Abduction bars folding type for traction.
 - (f) And all other essential accessories etc.

ITME NO. :9:

ORTHO. SURGERY INSTRUMENTS

1 Inter locking set for Bones

Femoral Nails

Reconstruction Nails

Tibial Nails

Supracondylar Nails

Humeral Nails

2 K- Nails

- These instruments must be made of graded stainless steel conforming to IS 410 & 420 specification.
- Instruments must be rustproof, non-glaring, lightweight and balanced.
- All surfaces of the instruments must be clean; no sharp edges should be projecting.
- Ratchets and openings must be soft and smooth.

Cont.....

:5:

- Each instruments must be marked with the brand name of the manufacturer in indelible ink/etched.
- Testing report of a govt. approved lab. Of the instruments quoted must be submitted along with the tender.
- All the instruments must carry one year replacement warranty against any manufacturing defect.

ITEM NO. :10:

NEONATAL RESUSCITATION UNIT

MECHANICAL SPECIFICATIONS:-

- Easy access of Infant from all sides with thick acrylic collapsible side panels
- Acrylic baby tray with Infant's Head up / down facility & foam mattress.
- Provision for positioning X – ray cassette.
- S.S. Tray with slot to use under source for taking X –ray
- Swiveling warming source for taking X – ray
- Consist of CERMAIC INFRA RED / SILICON QUARTZ GLASS HEATER
- S.S. reflector with safety grill designed such to such to achieve uniform temperature & easy cleaning without any electrical shock hazard.
- Instrument tray, pole for Infusion pump & I.V. Stand.
- Examination lamp with sufficient illumination to access accurate infant colour during procedures.
- M.S. Fabrication with powder coated paint.
- Mounted on castors for easy mobility.

ITEM NO.:11:

DOUBLE SURFACE PHOTOTHERAPY UNIT

1. Power supply AC 220 V/ 50 Hz
2. Power consumption 280 W
3. Lamp 8 pieces TL 20 W/54, 6500 K K 33
4. Lamp 6 pieces TL 20 W/54, 6500 K K 33
5. Base of stand, two large wheels and two small castor wheels

SPECIFICATIONS OF AMBU BAG

Ambu Bag: – Neonatal
- Children

Silicon:-

Sizes – Bag 150 – 250 mm
Masks - Neonatal
- Children

ITEM NO.:12:

OXYGEN HOOD

Silicon Hoods

Sizes:- 1. Neonatal
2. Infant
3. Child

Cont.....

ITEM NO. :13:

TYMPANOPLASTY SET -1

- These instruments must be made of graded stainless steel conforming to IS 410 & 420 specification.
- Instruments must be rustproof, non-glaring, lightweight and balanced.
- All surfaces of the instruments must be clean; no sharp edges should be projecting.
- Ratchets and openings must be soft and smooth.
- Each instruments must be marked with the brand name of the manufacturer in indelible ink/etched.
- Testing report of a govt. approved lab. Of the instruments quoted must be submitted along with the tender.
- All the instruments must carry one year replacement warranty against any manufacturing defect.

ITEM NO. 14

ASCH'S FORCEP - 1

- These instruments must be made of graded stainless steel conforming to IS 410 & 420 specification.
- Instruments must be rustproof, non-glaring, lightweight and balanced.
- All surfaces of the instruments must be clean; no sharp edges should be projecting.
- Ratchets and openings must be soft and smooth.
- Each instruments must be marked with the brand name of the manufacturer in indelible ink/etched.
- Testing report of a govt. approved lab. Of the instruments quoted must be submitted along with the tender.
- All the instruments must carry one year replacement warranty against any manufacturing defect.

TEM NO.:15:

CARDIAC MONITOR WITH DEFIBRILLATOR :-

- Should have simple 1-2-3-step operation of select, charge & discharge energy.
- Should have mode selection in between defibrillator monitor & patient Monitor.
- Should have conventional reliable touch key controls.
- Should be mains cum battery operated.
- Should be microprocessor –based technology.
- Should have integrated pediatric paddles.
- Should have energy selection 50/100/200/300/360 joules.
- Should have charging time max. 8 sec.± at 360 joules.
- Should have minimum 6” LCD monitor for 8 sec. ECG, HR, Alarms limit display.
- Should have 12 lead selection of ECG.
- Should have digital display of heart rate, stored energy & delivered energy.
- Should have synchronous and manual defibrillation facility.
- Should be capable of giving at least 60 shocks of 360 joules or at least 8 hrs. of monitoring of battery.
- Should have instant ECG pick up from paddles.
- Should be upgradeable to build-in thermal array recorder, SpO2 & NIBP.
- Should have connectivity to central monitoring system.
- Should have auto activation of recorder on defibrillation.
- Should have delayed ECG recording facility.
- Should have energy display of stored energy from 0 to 400 joules and of delivered energy from 0 to 400 joules.
- Should have automatic switch to paddle ECG when ECG cable is disconnected.
- Should have sweep speed 25 mm/sec or 50 mm/sec.

:7:

- Should have gain selection of 2.5, 5.0, 10, 20 mm per mV.
- Should have 8 sect ECG strip storage mode of freezing.
- Should have Display of ECG, HR & all alarm limits on screen.
- Should have automatic shutdown facility on low battery charge.
- Should have mains/battery charge indication on LCD.
- Should have safety switch for transportation.
- Should have Sync. Marker display on R-wave.
- Should have internal safety discharge interval max. 20 secs after full charge.
- Should have defibrillation & electro surgery protection for all 12 leads.
- Should have less than 5 sec recovery time.
- Should textual error messages like error in ECG, paddle ECG, cable ECG, lead off etc.
- Should have hotkeys for defib/monitor mode, energy selection, ECG sync/manual settings. Print, freeze and alarm mute.
- Should have 24 hrs. trend memory for all parameters.
- Should have the facility to freeze the waveform.

ITEM NO.:16:

FLEXIBLE FIBEROPTIC BRONCHOSCOPE

1. The working length of the fiber optic scope should be more than 50 cms.
2. The outer diameter should be more than 5.6 mm.
3. Range of bending at the tip should be minimum 160 degree up and 120 degree Down approx.
4. Working Channel diameter-2.8 mm or more.
5. Ultra compact fiber optic bundle for clearer image.
6. Wide 120 Degree field of view.
7. A separate suction port and working channel is preferred.
8. Suitable adapter to connect the eyepiece of Bronchoscope to external camera may be extra advantage and is preferred.

LIGHT SOURCE

Compatible light source.
Automatic light adjustments to maintain optimum brightness.
Please mention the Accessories provided and a price list of optional accessories and spares.

ITEM NO.:17:

PLUSE OXIMETER HAND MODEL

Monitor:-

Compact and portable, allowing for uninterrupted monitoring with built-in battery high bright LEDS display of NIBP, SPO2 and pulse rate high resolution color LCD for trend tabular and SPO2 waveforms display adjustable audible and visual alarms

Up to 600 groups NIBP data up to 10 hours suitable for adult, pediatric and neonatal patient

Display:-

7 segment LEDS for systolic, diastolic, mean pressures, SPO2 and pulse rate 2.4" color LCD for waveforms, bargraphic, trend and system menu

NIBP:-

Method: Oscillometry

Operation modes: Manual/Automatic/STAT

Auto Measure time:5~250 minutes adjustable, interval 5 minutes

Measurement range:10~270mmHg

Cont.....

:8:

Overpressure protection: Yes
Resolution: 1mmHg
Alarm: systolic, Diastolic, And Mean
SPO2
Measurement range:0~100%
Reolution:1%
Accuracy:70~100% .A2%, 0~69% unspecified
Alarm range:0~100%
Pulse Rate:
Range:0~254bpm
Resolution:1bpm
Accuracy: iA1bpm

ITEM NO.:18:

Biofeedback Machine

Equipment Name - EEG (Alpha)-EMG BIO FEEDBACK
Mode Name - EMF -9000

PARAMETER

EEG ALPHA & EMG BIOFEEDBACK -

1. Combination of EEG (ALPHA) & EMG Biofeedback.
2. Value displayed on LCD.
3. Audio and visual feedback.
4. Feedback in 21steps (10 green, 1 Yellow, 10 Red).
5. Power: ac – 220V, 50Hz.

ITEM NO.:19:

Digital Foetal Heartbeat Doppler Table TOP

A high-performance Ultrasonic Doppler unit in shock-proof ABS moulded body for locating the position of Placenta or confirming the life and heartbeat of foetus.

Salient Features

- Bright LEDs to indicate Beats Per Minute (BPM)
- HI/LO Limit setting
- Microprocessor controlled
- Digital display for sound level
- Digital control for sound level
- Audio/Visual alarm
- Enhanced performance – works even with obese patients or in case of hydramnios
- Built-in rechargeable battery backup
- Earphones and recording sockets
- Works on mains also
- Probe for continuous monitoring.

ITEM NO.:20:

Rowing Machine

ROWING MACHINE:- fitted with four and five springs at front and there are four springs at back of sliding seat for resistance to do leg & arms exercises.

ITEM NO. :21

Static Bicycle

Static Bicycle:- Static bicycle stands with resistance, speedometer and timer.