



**E-TENDER (Retender)
ENQUIRY DOCUMENT**

**FOR PURCHASE OF
MEDICAL
EQUIPMENTS**



EMPLOYEES' STATE INSURANCE CORPORATION
MEDICAL COLLEGE & HOSPITAL
SANATH NAGAR, HYDERABAD-38.

[E-mail-ms-nacharam.ap@esic.in](mailto:ms-nacharam.ap@esic.in)

Phone no.- 040-23701096, 23814852

799-D/28/2017-18/ETE-07

Date: 10-08-2017

E-TENDER NOTICE NO : 07/2017-18

E-Tenders in Double bid system are invited from manufacturers / authorized

dealers / distributors for the supply of medical Equipments / Instruments for the department of GENERAL MEDICINE for ESIC Medical College & Hospital, Sanathnagar, Hyderabad – 38.

Detailed information regarding the items, application / tender forms, EMD details, specifications, terms and conditions can be downloaded from the following websites:
www.esic.nic.in

The interested bidders shall submit their tender(s) through online mode at the e-procurement portal <https://esictenders.eproc.in>

In addition to e-tender which has to be filed online, the bidders are also required to submit hard copies of Tender documents duly completed along with Earnest Money Deposit (EMD), supported by requisite documents and forms, as mentioned in the tender.

For all practical purposes, the e-tender shall be considered for evaluation and the hard copy of tender documents would also be scrutinized.

Any corrigendum to this tender will be notified through the aforesaid websites only. The undersigned reserves the right to accept or reject any or all the bids without Assigning any reason at any stage.

The schedule for different activities are as below:

S.No.	Description /Name of the Dept.	Schedule
I	E-Tender document available at ESIC website / e-procurement portal https://esictenders.eproc.in	From dt:10-08-2017 to dt:30-08-2017
II	Last date and time for submission of completed Tender form for both on-line and off-line mode	Up to 2:00 P.M on dt:30-08-2017
III	Date of pre bid conference	10:30AM on 22-08-2017
IV	Date and Time for Opening of Technical Bid	At 10:30AM on dt:01-09-2017

If the date of opening of tender happens to be a holiday, the tender will be opened on the next working day. Tender documents duly completed should be dropped on or before the date and time mentioned above, in the tender box kept at the **MS Office**, ESIC Medical College & Hospital, Sanathnagar, Hyderabad.

For Dean



EMPLOYEES' STATE INSURANCE CORPORATION

MEDICAL COLLEGE & HOSPITAL

SANATH NAGAR, HYDERABAD-38.

E-mail-ms-nacharam.ap@esic.in

Phone no.- 040-23701096, 23814852

799-D/28/2017-18/ETE-07

Date: 10-08-2017

E-TENDER NOTICE NO: 07/2017-18

Sub: Invitation of Tender for procurement of Medical Equipments – Reg.

From
The DEAN,
ESIC Medical College & Hospital,
Sanathnagar,
Hyderabad-38.

Sir (s),
Dean, ESIC Medical College & Hospital, Sanathnagar, Hyderabad-38, invites e-tender in Double Bid system for procurement of medical equipments as per the specifications enclosed.

Tenderers are requested to submit the requisite information / documents as per the following annexure :-

- Annexure – I (Compulsory documents or check list)
- Annexure – II (Forwarding of tender documents)
- Annexure – III (Instructions for E-tendering)
- Annexure – IV (Instructions for offline submission of tender)
- Annexure – V (Tender Terms and Conditions)
- Annexure – VI (Company Profile)
- Annexure – VII (Declaration Form)
- Annexure – VIII (Request for refund of EMD)
- Annexure – IX (Price Bid)
- Annexure – X (Quotation for CAMC)
- Annexure – XI (Warranty certificate)_
- Annexure – XII ((Price list for spares/consumables/reagents)
- Annexure – XIII (Specifications)

For DEAN.

TENDER DOCUMENT

The Dean, ESIC Medical College, Hospital, Sanathnagar, Hyderabad, invites e-tenders from eligible and qualified tenderers for supply of following Medical equipments for General Medicine department proposed to used for ESIC Medical College & Hospital, Sanathnagar, Hyderabad.

LIST OF GENERAL MEDICINE EQUIPMENTS.

S.No.	Name of the Equipment	Qty.	Bid System
01	ECG machine	10no's	Double
02	External cardiac face maker	01no	Double
03	EEG Machine	01no	Double
04	ENMG	01no	Double
05	Tred Mill machine	01no	Double
06	Central cardiac monitor console	01no	Double
07	Defibrillator	08no's	Double
08	ABG Machine	02no's	Double
09	Upper GI endoscopy	01no	Double

- **EMD affixing as 2% of quoted value for total tendered quantity.**

Remark : Bidder has to deposit the Earnest Money Deposit (EMD) mentioned against each items in the form of demand draft drawn in favour of “**ESIC account no.-I, payable at Hyderabad.**”

All Tenders must be accompanied by EMD as 2% of quoted value for total tendered quantity item wise. Tenders without EMD shall be rejected.

A complete set of hard copy of tender documents along with EMD must be submitted upto the date and time stipulated in the tender box kept for this purpose in the **M.S Office** at ESIC Medical College& Hospital, Sanathnagar,Hyderabad Non –submission of hard copy as directed will lead to rejection of the tender application.

For DEAN.

ANNEXURE – I

COMPULSORY DOCUMENTS (OR) CHECK LIST

1. Compulsory documents for Technical Bid :

S.No.	Title	Status	Page No.
1	Have you enclosed EMD of required amount for the quoted schedules? Please mention value of EMD & Date of issue from Bank.	Submitted (Yes / No)	
2	Have you Submitted duly signed tender document of ESIC downloaded from website.	Submitted (Yes / No)	
3	Have you submitted Tender Specific manufacturer' s authorization as per Section?	Submitted (Yes / No)	
4	Have you submitted a. The certificate of incorporation/Firm Registration, if a firm b. Valid trade license if a trader.	Submitted (Yes / No)	
5	PAN Number of the firm/Partner/ owner as the case may be	Submitted (Yes / No)	
6	Vat Registration certificate.	Submitted (Yes / No)	
7	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening? / In case of trader, income tax return for Fy:2016-17, 2015-16, 2014-15	Submitted (Yes / No)	
8	Have you accepted delivery period as per TE document?	Submitted (Yes / No)	
9	Have you accepted the terms of delivery to ESIC Medical College Hospital, sanathnagar.	Submitted (Yes / No)	
10	Have you accepted the warranty/CMC as per TE document?	Submitted (Yes / No)	
11	Have you accepted all terms and conditions of TE document?	Submitted (Yes / No)	
12	Have you fully accepted payment terms as per TE document?	Submitted (Yes / No)	
13	Purchase Order copies for having supplied the quoted equipment to Government Hospitals/reputed institutions (P.O date should be in 2014-15/2015-16/2016-17) Old P.O will not be considered	Submitted (Yes / No)	
14	Performance Certificate duly authenticated from any other users of the equipment for Fy:2014-15/2015-16/2016-17 from Govt. supply only	Submitted (Yes / No)	
15	Certificate that the quoted items have not been supplied to any other organization/institution at a rate, lower than	Submitted (Yes / No)	

	quoted here in last 3 months		
16	One copy containing terms and conditions and specification of the quoted equipment signed by the tenderer at the bottom of each page with the office seal duly affixed (In offline submission of bids)	Submitted (Yes / No)	

2. Compulsory documents for Price Bid :

1	Price Bid for the quoting equipment	YES / NO
2	Quotation for CAMC	YES / NO
3	Price Catalogue for all spares/consumables/reagents of the equipment (if any) for five years after warranty period	YES / NO

ANNEXURE - II

TENDER FOR THE SUPPLY OF MEDICAL EQUIPMENTS

**REQUIRED FOR USE IN ESIC MEDICAL COLLEGE & HOSPITAL,
SANATHNAGAR, HYDERABAD**

To
The Dean,
ESIC Medical College & Hospital,
Sanathnagar,
Hyderabad-38.

Sir,

Sub: Forwarding of Tender documents for Medical Equipments - Reg.

* * *

We have pleasure in submitting our tender for _____ (Name of the equipment)

We enclose herewith a Demand Draft No. _____ Dt. _____ for Rs. _____

drawn in favour of the **ESIC account no. -I, payable at Hyderabad** towards Earnest Money Deposit.

We bind ourselves to the conditions prescribed in the Tender Notification.

We agree to have the Earnest Money forfeited in case of failure in full or part to undertake the contract upon the acceptance of this tender.

OFFICE SEAL:

SIGNATURE:

DESIGNATION:

NAME & ADDRESS:

ANNEXURE - III

Important Instructions for Bidders

All bidders/contractors are required to procure Class-IIIB Digital Signature Certificate (DSC) with Both DSC Components i.e. Signing & Encryption to participate in the E-Tenders.

Bidder should get registered at <https://esictenders.eproc.in>.

Bidders can contact our Helpdesk at <https://esictenders.eproc.in/html/Support.asp>

Bidder needs to submit Bid Processing Fee charges of Rs. 2495/- (non-refundable) in the

form of Demand Draft from any scheduled bank, in favour of M/s. C1 India Pvt. Ltd. payable at New Delhi for participating in the Tender.

Along with the Demand Draft, Bidder needs to send a covering Letter mentioning about the Payment Details, Company Name, Address, Payment towards ESIC Bid Processing Fees (Mention the Tender ID and Tender Title).

The payment should reach at the below mentioned address, one day before the due date and time of Bid Submission:

Kind Attn: Mr. Mohit Chauhan

C1 India Pvt. Ltd.

301, Gulf Petro Chem Building, 1st Floor,

Udyog Vihar, Phase – 2,

Gurgaon, Haryana - 122015

Note: Payment will be approved only after physical receipt of Demand Draft.

ANNEXURE – IV

INSTRUCTIONS FOR OFFLINE SUBMISSION OF TENDER

1. The sealed envelope containing the completed tender super scribed as “TENDER FOR

THE SUPPLY OF (name of the equipment)” addressed to The Medical

Superintendent, ESIC Medical College, Hospital, Sanath nagar, Hyderabad, will be received up to the date and time stipulated.

2. FOR DOUBLE BID SYSTEM

The sealed envelope containing the completed tender superscribed as "TECHNICAL BID

FOR THE SUPPLY OF EQUIPMENTS/INSTRUMENTS _____ (Name of the Equipment) for the Department of _____ (Name of the department) Due on _____ (Last date of submission) on the first envelope and "PRICE BID FOR THE SUPPLY OF EQUIPMENTS/INSTRUMENTS _____ (Name of the Equipment) for the Department of

_____ (Name of the department) Due on _____ (Last date of submission)" on the second

envelope. Both the envelopes are again to be sealed and put in a single envelope superscribing "TENDER FOR _____ (Name of the Equipment) Due on _____ (Last date of

submission) should be addressed to The **M.S Office**, ESIC Medical College, Hospital, Sanath nagar, Hyderabad,

3. BIDDERS ARE FREE TO QUOTE FOR ONE OR MORE EQUIPMENTS BUT SEPARATE ENVELOPE FOR EACH EQUIPMENT SHOULD BE USED AND SEPARATE DEMAND DRAFT TOWARDS EMD FOR EACH EQUIPMENT SHOULD BE ENCLOSED, FAILING WHICH, THE QUOTATION FOR THAT EQUIPMENT WILL BE TREATED AS UNRESPONSIVE AND SUMMARILY REJECTED. QUOTATIONS FOR SEPARATE EQUIPMENT BY THE SAME BIDDER SHOULD BE SUBMITTED IN SEPARATE ENVELOPE AND SHOULD NOT BE PUT IN A COMMON COVER.

4. The EMD amount should be enclosed along with the tender documents.

5. Postal delays if any will not be condoned.

6. Each and every page of the tender document **should be numbered** and signed by the authorized signatory of participating firm with seal.

7. The tenderer shall also enclose the copies of documents in support of details about the firm besides latest income Tax returns, VAT/ works contract Tax Registration and

Service Tax Registration and work completion certificates etc. All these documents shall be kept along with the Technical Bid.

8. Photocopy of latest ITR/ PAN No. should be enclosed with the completed tender.

9. It is mandatory that the rates for each and every item shall be quoted in figure and words in the relevant column provided in the e-tender document in PDF format which has to be

downloaded and filled and then scanned and uploaded along with the price bid as a supporting document for the amount filled online in the Price Bid.

10. The quotation should be type written and every correction in the tender should invariably be attested by full signature by the tenderer with date before submission of the tenders to the authorities concerned, failing which, the tender is liable for rejection.

11. One copy containing terms and conditions and specification of the quoted equipment

should be signed by the tenderer at the bottom of each page with the office seal duly affixed and returned along with the tender.

12. Declaration form and Company profile formats enclosed must be filled in and signed by the tenderers and enclosed along with the tender. Tenders received without the Declaration form shall not be considered.

13. All Duly scanned copies of tender document along with original EMD shall be dropped in the Tender Box kept for this purpose in the **M.S. Office at ESIC Medical College & Hospital, Sanathnagar, Hyderabad.**

ANNEXURE – V

TENDER TERMS AND CONDITIONS

1. Tenders will be opened in the **M.S Office** at ESIC Medical College & Hospital, Sanathnagar, Hyderabad-38, on the stipulated date and time in the presence of the tenderers / representatives who choose to be present.

2. The two part bids i.e. Techno - commercial (Unpriced Bid) and Price bid prepared by the

Bidder shall comprise of the following:

(A) Techno - commercial Bid (Unpriced Bid)-Compulsory Documents

a). Bid Security (EMD) should be furnished in accordance with instructions.

b). Detailed technical specification of items quoted along with catalogue / literature, make

and model of the the equipments offered without indicating price.

c). Statements of Deviations from tendered commercial conditions, if any.

d). Statement of deviations parameter wise from tendered specifications, if any.

e). Authority letter from manufacturer, in case tender is submitted by agents.

f). Tenderers have to indicate the name and address of the bankers.

g). Have you submitted Tender Specific manufacturer' s authorization as per Section?

h). Have you submitted

a. The certificate of incorporation/Firm Registration, if a firm

b. Valid trade license if a trader.

i). PAN Number of the firm/Partner/ owner as the case may be

- j). Vat Registration Certificate
- k). Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening? / In case of trader, income tax return for Fy:2016-17, 2015-16, 2014-15
- l). Purchase Order copies for having supplied the quoted equipment to Government Hospitals/reputed institutions

(P.O date should be in 2014-15/2015-16/2016-17) Old P.O will not be considered

- m). Performance Certificate duly authenticated from any other users of the equipment for Fy:2014-15/2015-16/2016-17 from Govt.supply only
- n). Certificate that the quoted items have not been supplied to any other organization/institution at a rate, lower than quoted here in last 3 months
- o). Separate tender documents to be uploaded for each department including common documents.

(B) Price Bid

- a). The information given at Techno - commercial bid should be reproduced in price bid with prices indicated. Any deviation in this regard will render the bid liable for rejection.
- b). Rates should be typed in words as well as in figures, free from erasing, cutting and overwriting.
- c). Price quoted should match with the items quoted in techno - commercial bid.
- d). Each and every page of the quotation should be separately numbered and duly signed.
- e). In case the price quoted cannot be matched with the items/quoted in technical bid, the bid shall be liable to be rejected.
- f). The quoted price should be all inclusive lump sum price offered for each item including cost of the equipment, freight, Insurance, transit insurance, packing forwarding etc., and including charges for installation and commissioning with all men and material required for the same and including charges for the quoted warranty period. Rates and Sales Tax/VAT must be quoted separately.
- g). The rates quoted should be F.O.R ESIC Medical college Hospital, Santhnagar,Hyderbad. No other charges in addition will be payable on any account over and above the lump sum price quoted in the price bid. The rates quoted in ambiguous terms such as "Freight on actual basis" or " Taxes as applicable extra" or "Packing forwarding extra" will render the bid liable for rejection.
- h). Only Techno - commercial bid (un-priced bid) will be opened first on the date mentioned in the presence of bidders who chose to be present. The price bid of the firm whose equipment is technically viable fulfilling the specifications and all other conditions alone, will be considered for evaluation
- i). A certificate that the quoted items have not been supplied to any other organization / institution at a rate, lower than quoted here, should be enclosed.
- j). For imported goods, the price quoted shall not be higher than the lowest price charges by the tenderer for the goods of the same nature, class or description to a purchaser, domestic or foreign or to any organization or department of Govt. of India.

k). If it is found at any stage that the goods as stated have been supplied at a lower price, then that price, with due allowance for elapsed time will be applicable to the present case and the difference in cost would be refunded by the supplier to the purchaser, if the contract has already been concluded.

3. Tender currencies:

- The tenderer supplying indigenous goods shall quote only in Indian Rupees.

4. Bid Security (EMD) : Each tender must be accompanied by a EMD as mentioned against the equipment in the **form of Demand Draft only drawn in favour of ESIC account no. -I, payable at Hyderabad.** The tenders not accompanied by EMD is liable for rejection. For EMD exemption, if any necessary documents for exemption should be submitted, otherwise tender will be liable for rejection. Advance Stamp Receipt for the refund of EMD should be enclosed with the tender document. The EMD of unsuccessful tenderers shall be refunded after the award of tender to the successful tenderer.

5. Only the manufacturers or their authorized distributor/stockist would be considered for the tender.

6. The contract should not be sublet without the prior written permission of the **Dean.**

7. Either the authorized Indian agent on behalf of the principal/OEM or principal/OEM himself can bid but both cannot bid simultaneously for the same item/product in the same tender.

8. If an agent submits bid on behalf of the principal/OEM, the same agent shall not submit a bid on behalf of another principal/OEM in the same tender for same item/product.

9. Successful bidder shall not be entitled to any rate revision of price for any reason except that allowed by Government of India.

10. The rates quoted should be valid for one year from the date of approval of the Tender and the quantity mentioned is on the basis of present requirement which are to be supplied within the period mentioned in the tender. During the currency of Tender, orders are to be executed by the successful Tenderer at the tender rate as per future requirements, therefore the quantity in the tender is indicative only and likely to increase.

11. Copies of Purchase Order for having supplied the quoted equipment to Government Hospitals/reputed institutions should be enclosed. The rates quoted in the purchase order

should not be deleted or made illegible. A certificate duly authenticated from any other users of the equipment about satisfactory performance should also be enclosed.

12. For the equipment where reagents, cartridge, other consumables, etc. are required the price bid must include: A) The rate list indicating the prices of the consumables prevalent on the date of tendering B) List should indicate the cost and life of consumables C) The rate for reagents, consumables etc. should remain constant for five years.

13. Firms should also give a certificate that spares/ consumables/ reagents of the equipment quoted will be freely available at least for five years after warranty period.

14. The equipments should be Guaranteed/ Warranted (Comprehensive) for a minimum period of two years from the date of satisfactory installation and inspection.

15. Firm should undertake to enter into Annual Maintenance Contract (CAMC) for equipment (mandatory for all equipments in double bid system) as well as for accessories attached for a minimum period of five years after completion of warranty period and accordingly quote the rates of CAMC for five years. The rates for CAMC (Comprehensive) should not exceed 10% per annum, of the unit cost of the equipment on the date of purchase. Firm should undertake to keep the equipment in running order throughout the year and in case of equipment going out of order during warranty CAMC the fault should be attended within 24 hours and rectified within 7 days of lodging the complaint.

16. If the equipment needs calibration, the firm shall be responsible for calibration as part of CAMC.

17. Tenderer should be able to demonstrate (dry Demo and wet Demo) the product quoted by them, to the Technical evaluation Committee in **Hyderabad** within the due date after the check list evaluation of the tenderer.

18. The company will get only one chance for demonstration. In case, the company fails to arrange the demonstration; the tender shall be liable for cancellation.

19. The date for demonstration shall be fixed with mutual consent on telephone/e-mail and the same shall be confirmed in writing or by fax. In any case, not more than two weeks time shall be given to arrange for demonstration.

20. The successful bidder should furnish Performance Security Deposit @ 10% of the value of the contract.

21. The **Dean** ESIC Medical College & Hospital, Sanathnagar, Hyderabad will be at liberty to terminate the tender proceedings without assigning any reasons thereof. The bidder will not be entitled for any compensation whatsoever in respect of such termination.

22. No articles shall be supplied to the hospital except on requisition in writing signed by the **Dean** or by an officer authorized by him/her in writing to do so.

23. Bidders in their own interest shall ascertain the eligibility of whatsoever concessions and exemptions are eligible and applicable to the ESIC Medical College & Hospital, Sanathnagar, Hyderabad and shall advise the purchaser and quote accordingly.

24. **Delivery Schedule :** Within 60 days after placement of supply order. The delivery should be at the place shown by the receiving officer within the premises of the ESIC Medical College & Hospital, Sanathnagar , Hyderabad at the cost of the supplier. For imported items, an enhanced delivery period, if required can be agreed and the same should be indicated clearly. If the successful tenderer fails to execute the supply within the stipulated period, **penalty of 2% of the value of order calculated at the contracted rate per week or a part of week will be recovered subject to maximum of 10 percent.**

25. FOR IMPORTED ITEMS CUSTOMS DUTY EXEMPTION CERTIFICATE WILL BE ISSUED BY THE HOSPITAL AND PRICE TO BE QUOTED ACCORDINGLY IN INDIAN CURRENCY.

26. Terms and Mode of Payment

Payment Terms

Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract in the following manner.

A) Payment for Domestic Goods Or Foreign Origin Located Within India.

Payment shall be made in Indian Rupees as specified in the contract in the following manner:

a) On delivery:

100 % payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents:

- (i) Four copies of supplier' s invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Consignee Receipt Certificate in original issued by the authorized representative of the consignee;
- (iii) Two copies of packing list identifying contents of each package;
- (iv) Inspection certificate issued by the nominated Inspection agency, if any;
- (vi) Certificate of origin.
- (vii) Installation certificate from the supplier duly signed by using department HOD.

B) Payment for Imported Goods:

Payment for imported goods shall be made in the Indian currency as specified in the contract in the following manner:

a) On delivery:

Ninety (90) % of the e goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) in Indian currency opened in favour of the supplier in a bank in his country and upon submission of documents specified hereunder:

- (i) Four copies of supplier' s invoice showing contract number, goods description, quantity, unit price and total amount;

(ii) Original and four copies of the negotiable clean, on-board Bill of Lading/ Airway bill, marked freight pre paid and four copies of non-negotiable Bill of Lading/Airway bill.

(iii) Four Copies of packing list identifying contents of each package;

(iv) Insurance Certificate and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent within 24 hours to all concerned as per the contract;

(v) Manufacturer' s/Supplier' s warranty certificate;

(vi) Manufacturer' s own factory inspection report and

(vii) Certificate of origin by the chamber of commerce of the concerned country;

(viii) Inspection Certificate for the despatched equipments issued by recognized/ reputed agency like SGS, Lloyd or equivalent (acceptable to the purchaser) prior to despatch.

(ix) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee.

C) On Acceptance:

i) Balance payment of 10 % of net CIP price of goods would be made against 'Final Acceptance Certificate' Letter of Credit (LC) in Indian rupees opened in favour of the Foreign Principal in a bank in his country, subject to recoveries, if any.

ii) Payment of custom duty amount with Custom Duty Exemption Certificate (CDEC), if applicable, customs clearance and handling charges, loading/unloading, inland transportation, incidental costs till consignee site & incidental services (including installation & commissioning, supervision, demonstration and training) will be paid by the tenderer.

iii) Payment of Indian Agency Commission:

Indian Agency commission will be paid to the manufacturer' s agent in the local currency for an amount in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation /exchange variation. Payment shall be made after 100% payment to the Foreign Principal.

The payment towards the supply is subject to receipt of inspection note/performance certificate to the effect that the items supplied are conforming to the supply order placed.

For DEAN.

ANNEXURE – VI

COMPANY PROFILE

- 1 Name of the firm
2. Full Address:
3. Telegraphic Address/E-mail Id:
4. Telephone No.
5. Telex/Fax No.
6. Date of Establishment of firm:
7. Is Your Firm registered under
 1. The Indian Factories Act
 2. Companies Act
 3. Any other Act
8. Name & address of your Bankers.
Stating the name in which the
Account stands
(Please give Account details)
9. Are you on the list of approved
Contractors of any other authority
(if so please give details)
10. Give details of any Govt. contract
Executed during the last 12 months
11. Are you a Manufacturer. If so
Please furnish the items you
Manufacture
12. Are you a small scale industry
Registered with the appropriate
Authority. If so furnish details
13. Are your products certified by ISI?
If so furnish details

14. Any other information which you
Consider necessary to furnish

DATE

SIGNATURE:

NAME & ADDRESS:

ANNEXURE – VII

DECLARATION FORM

Wehaving our office at.....do declare that we have carefully read all the conditions of Tender for the supply of and abide by all the conditions set forth therein by the **Dean**, ESIC Medical College & Hospital, Sanathnagar , Hyderabad-38 .

We further declare that wepossess valid license bearing No.....valid upto.....

DATE:

SIGNATURE:

SEAL:

NAME & ADDRESS:

ANNEXURE – VIII

From

To

The Dean, M.S Office,
ESIC Medical College & Hospital
Sanathnagar ,
Hyderabad-38.

Sub: Request for refund of EMD Amount – reg.

* * *

With reference to your advertisement dated _____, we have submitted tender for _____ (name of equipment). In case we are not the successful bidder, we request you to kindly refund the EMD amount of Rs. _____. The Cheque may be kindly be drawn in favour of

Beneficiary's Name :

Account No. :

A/C Savings Current :

IFSC Code No. :

Bank Name :

Branch Name & Address :

Yours faithfully,
(SIGNATURE & SEAL)

PRE-RECEIPT

Received an amount of Rs..... vide cheque No..... dated..... from ESI Corporation towards refund of EMD amount.

**Revenue
Stamp**
(SIGNATURE & SEAL)

ANNEXURE – IX

PRICE BID FOR THE SUPPLY OF MEDICAL EQUIPMENTS

I/We _____ hereby offer to supply medical equipments at Medical College & Hospital, Sanathnagar , Hyderabad-38 as per the specifications in the Tender, at the rate given below and agree to hold this offer for one year from the date of approval of tender and for further period if extended.

Signature of Bidder with date and seal

**ANNEXURE-IX
PRICE SCHEDULE**

A) PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIAN ORIGIN

1	2	3	4	5 Price per unit (Rs.)							6
Sl.No	Brief Description of Goods (with make & model)	Country of Origin	Quantity								Total price (at consignee site) basis
				Ex - factory/ Ex-ware house/ Ex-show room/ Off -the shelf (a)	Excise duty(if any)(% age &value) (b)	Sales tax/Vat(if any) % age &value (c)	Transportation, loading/unloading & incidental cost till consignee's site (d)	Insurance charges for the period including 3 months beyond the date of delivery (e)	Incidental services(including installation and Commissioning, supervision,demonstration and training) at the consignee's site (f)	Unit price (at Consignee site)basis (g)=a+b+c+d+e+f (g)	

Total Tender price in Rupees: _____ **In words:** _____

Note: -

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.

The charges for Annual CMC after the warranty shall be quoted separately as per Section-XI – Price Schedule C

Name _____

Business Address _____

Place: _____

Signature of Tenderer _____

Date: _____

Seal of the Tenderer _____

Annexure-X PRICE SCHEDULE FOR COMPREHENSIVE MAINTENANCE CONTRACT AFTER WARRANTY PERIOD (* After completion of warranty period)

1	2	3	4					5
Item SI.No.	Brief Description of the goods	Quantity(No.s)	Comprehensive Maintenance Contact Cost for each unit year wise*					Total Comprehensive Maintenance Contract Cost for 5 (or as specified) Years[3X(4a+4b+4c+4d+4e)]
			1st	2nd	3rd	4th	5th	
			a	b	c	d	e	

NOTE:-

1. In case of discrepancy between unit price and total prices,the unit price shall prevail
2. The cost of comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing and calibration as per technical/service/operational manual and labour, after satisfactory completion of warranty period quoted for next 5 (or as specified) years on yearly basis for complete equipment and Turnkey(if any).
3. The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra,to be specifically stated. In the absence of any such stipulation,the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
4. Cost of CMC will be added for Ranking/Evaluation/purpose.
5. The payment of CMC will be made as per clause 21.1(D)
6. The uptime warranty will be 98% on 24 Hours X 7daysX365 days basis or As stated in technical specification of the TE Document.
7. All Software updates should be provided free of cost during CMC period.
8. The stipulations in technical specification will supersede above provisions.
9. The supplier shall keep sufficient stock of spares required during comprehensive Maintenance Contract (CMC). In case the spares are required to be imported,it would be responsibility of the supplier to import and get them custom cleared and pay all necessary duties

Name_____

Business Address_____

Place: _____

Signature of Tenderer_____

Date: _____

Seal of the Tenderer_____

Annexure-XI

WARRANTY CERTIFICATE FOR THE SUPPLY OF MEDICAL EQUIPMENT

I / we _____ do hereby undertake to provide warranty for the equipment
_____ for a period of two years from the date of satisfactory installation of the said
equipment in your Hospital premises.

Signature of Bidder with date and seal

ANNEXURE – XIII
TECHNICAL SPECIFICATIONS FOR THE EQUIPMENTS
OF GENERAL MEDICINE DEPARTMENT

1.ECG MACHINE:

7" TFT, touch screen, led backlight

Digital isolation technology and signal processing solution, digital filter

Patient management, name and age and id.

Detail analysis report.

Built-in lithium rechargeable battery, wide thermal printing system

USB and LAN socket.

Memory: Built-in memory or mini SD Memory card. Store more than 1000 pieces of archive

Auto-measurement, auto-analysis, and auto interpretation.

Lead: Standard 12 leads

Patient leak current: <10uA

Input impedance: =50M

Frequency response: 0.05 ~ 150HZ(-

3dB) Time constant: >3.2S

CMRR: >100dB

Dimension of recording paper: 80mmx20m

Paper speed: 25mm/s, 50mm/s

Sensitivity choice: 5, 10,20mm/mV.

Measurement parameters: HR, P-R interval, P-Duration, QRS Duration, Q-T interval, Q-Tc,P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5)+S(V1)

Product safety type: Class I, CF. Defibrillation and pacing protection

Enduring polarization voltage: ±300mv

Noise level: <15uVp-p

Dimension: 130mm(L)×74mm(W)×25mm(H)

sHould include

Patient cable (1 PC)

Chest electrodes (6 PCS)

Limb electrodes (4 PCS)

Grounding cable (1 PC)

Dust cover (1 PC)

Paper (1 roll)

Screwdriver (1

PC) Fuse (2 PCS)

Paper roller (2 PCS)

Optional at additional cost USB Port & Workstation software

2.EXTERNAL CARDIAC PACE MAKER:

Single and dual chamber pacing capability

Simplified device set up and use

Improved low battery indicator

Extended operating time during battery change

Increased resistance to mechanical damage

Enhanced user interface with improved visibility and increased responsiveness

Added security of battery latching mechanism and IV hook

Elimination of temporary heart wire connectors and side bails

Meets new government standards - RoHS and 60601-1 It also features an improved low battery indicator.

Constant voltage output

Basic pacing rate to 180 ppm

Rapid atrial pacing at times 2 and times 4 of the basic rate up to 720 ppm Audible tone for sensitivity

Easy set-up of pacing parameters by ergonomically designed dials

Protective cover to safeguard against accidental changes to settings

Long battery lifetime: up to 38 days of operation with a single 9 V Alkaline battery

Audible warning tone for low battery, including low battery indicator Pacing run-away protection feature

Patient cable system featuring patented connector with protected pins for convenient, reliable, electrical connections to increase patient safety

Standard 2-year limited warranty

3. TECHNICAL SPECIFICATIONS FOR EEG:

1. Should be a 32 Channel digital EEG Machine, where 24 Channels for acquisition and storage, 5 Polygraph Channels and 3 DC Channels.
2. Frequency response should be 0.05 Hz to 70Hz.
3. Should have facility to view all channels in different montages during acquisition and review.
4. Should have split screen facility to study and even carefully during acquisition, where data storage should be on going in hard disk.
5. Should have split screen facility in analysis to compare the data of same time or different times with individual selection of filters, sensitivity, montages etc.
6. Should have the facility for simultaneous acquisition and review of same record.
7. Should have the facility to mark pages / important events for printing in review.
8. Should have user definable photic stimulator protocol execution with display of photic marks on screen using LED or Xenon flash lights
9. Should have unlimited Montage Reformatting.
10. Should have HLF (15, 35, 70 Hz) and LLF (0.1, 0.3, 1.5, 3, 5 Hz) filters for each channel as well as for all channels for display.
11. Should have the facility for sweep speed selection.
12. Should have the facility to display traces with limit trace.
13. Should mark and annotate standards events such as Eyes open, Eyes closed, Hyperventilation on, Hyperventilation off, Artifact, and other user defined events of max. 50.
14. Should have separate sensitivity control for each channels as well as for all channels.
15. Should have the facility to enter patient details such as ID, Name, Referred By, Sex, Age, Patient History, Address, Doctor Name etc.
16. Should have the facility to review of selected patient form list, to sort data according to patient name, sex, age, test date etc, review another patient while acquisition and to edit the patient details.
17. Should have the facility to browse page by page, Scroll in forward and reverse direction and the speed of scrolling can be different speed levels such as same acquisition speed, 2 times, 3 times , 4 times the acquisition speed.
18. Should have user definable protocols for acquisition.

19. EEG pages should be displayed in BRAIN MAP montage and it should have the facility to view Amplitude brain map, Progressive amplitude brain map, frequency brain map, progressive frequency brain map, 4 bands frequency brain map with frequency spectrum, 5 bands frequency brain map with frequency spectrum, 4 bands frequency brain map with EEG & 5 bands frequency brain map with EEG in review mode.

20. Should have the facility to edit current page events, browse all the marked events. Display the page having the selected event, to store any number of marked EEG pages on another HDD

21. Should have the facility for spike detection with amplitude greater than or equal to the specified amplitude and within specified duration.

22. Should have the facility to print all marked EEG pages / Brain map pages in queue.

23. Should have the facility to edit and print summary report, EEG page and Brain map page.

24. Should have Acquisition Hot keys for Sensitivity for all traces, Eyes open, Eyes close, Hyperventilation ON, Hyperventilation OFF, Mark page, Artifact, Annotated event, Toggle pause / Release pause, Snap shot mode, photic stimulation etc.

25. Should have Review Hot Keys for page mode, scroll mode, flip mode, next page, increase speed, mark page for printing, forward direction, reverse direction, previous page, decrease speed etc.

26. Should have an efficient data base management including Hospital details, Reference doctors list, standard comments for summary report etc.

27. Photic frequency should be 1-30 Hz, Stimulating time 1-16 sec and pause time 1-16 sec.

28. CMRR should be greater than 100 db and input impedance should be greater than 10 M Ohms.

29. Should operate from 200 to 240Vac, 50 Hz input supply.

30. Should have a high resolution low light video camera.

31. Should have infra red camera for night VEEG recording facilities.

32. Should have facility to upgrade EEG to sleep system in future.

33. Should be supplied all necessary accessories including EEG Disc Electrodes reusable – 1 set, EEG Paste – 5 Jar / sufficient quantity for 100 EEG Cases, Head Cap for Adult, & Infant – 1 each.

34. Should be supplied with a PC of adequate configuration having HDD of storage not less than 360 GB HDD, DVD/CD writer and a Colour Printer.

35. Monitors provided along with PC should be LCD / TFT and Colour Printer should be Colour Laser Printer.

36. Should supply online UPS of sufficient capacity with 1 hour backup to connect all the equipments supplied.

37. Should be supplied with a suitable Table for keeping the equipment, PC, Printer and all the accessories.

38. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.

4. TECHNICAL SPECIFICATIONS FOR ENMG:

1. Should be a PC based system. Should have adaptor box with dedicated keyboard on it or if possible all controls shall be on the amplifier box.
2. It shall have option to feed patient information such as ID, Date, Patient information, Age, Sex, Height, Physician, Technician, Ref. Physician Diagnosis etc.
3. It shall continuously display patient information test name and nerve being tested
4. It shall have shock stimulator, headphones for auditory stimulator and extra monitor for VEP stimulator
5. Smooth Expandable arm for holding EMG amplifier shall be provided
6. Amplifier box shall be easily mountable / demountable from the stand
7. It shall have volume control ON/OFF switch on the amplifier box
8. Adaptor box shall have provision for grounding
9. It shall have inbuilt speaker for EMG
10. It shall have provision to switch ON/OFF and save the waveforms from the shock handle only
11. Shock handle shall have provision to give shock to the adults as well as pediatrics
12. It shall fully isolated shock stimulator and amplifier for patient safety
13. It shall have footswitch for start/stop/save
14. It shall have compatibility with USB1/USB2
15. It shall have inbuilt battery backup for atleast 30 minutes or more.
16. It should have EMG / NCV / EP Studies with following features.
 - a. Channels : 4
 - b. Sensitivity : 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 500 Y/div;
1,2,3,5,10,mV/div.
 - c. High cut : 2 pole (12 dB / octave) filter, selectable at 100, 200, 500 Hz,
1,2,3,5,10 khz.
 - d. Low cut : Selectable at 0.2, 2, 20, 30, 100, 200, 500 hz.
 - e. Sweep speeds (NCS & EP) : 1 to 500ms/div. in 17 steps.
(1,1.5,2,3,5,7.5,10,15,20,30,50,75,100,150,200, 300,500) KMSCL: Tender Document for the supply & installation of EMG Machine 59
 - f. Sweep speeds (EMG) : 2 to 500 ms/div in 12 steps
(2,4,6,10,20,30,50,100,150,200,300,500)
 - g. CMRR : >100dB
 - h. Input impedance : >100 M Ohms (common mode)

- i. Noise : 3pV peak to peak (10Hz to 10kHz)
- j. A/D Converter : 14 bit analog-digital conversion.
- k. Averager : Number of averages per channel 2 to 10,000
- l. Electrical stimulation : 0.05, 0.10, 0.20,0.50, 1.0ms
- m. Repetition rates Repetition rates : 0.5, 1,3,5,10,15,20Hz pps regular or random repetition rates depending on stimulus type, sweep speed and control.
- n. Electrical stimulator Electrical stimulator : should have independent control, Hand held type having constant current electrical stimulator with stimulus intensity dial and stimulus trigger on handle with electrical range of 0-100mA with adjustable duration, intensity and repetitive rate.
- o. Auditory stimulator Auditory stimulator : Should be a headphone having frequency range 0.25-8kHz, 0-100 dB intensity, having presentation on left, right or both ears, Pulse duration of 100us square wave clicks.
- p. Visual stimulator Visual stimulator : Should have a monochrome VEP monitor for black and white, pattern reversal check board simulation, vertical bars, horizontal bars.

OTHERS

- 17. All the equipments supplied should operate from 200 to 240Vac, 50 Hz input supply.
- 18. Should be supplied with a PC of adequate configuration having HDD of storage not less than 360 GB HDD, DVD/CD writer, Colour Printer & USB Port.
- 19. Monitors provided along with PC should be 17" LCD / TFT and Colour Printer should be Colour Inkjet Printer.
- 20. Should supply online UPS of sufficient capacity with 1 hour backup to connect all the equipments supplied except Tread Mill system.
- 21. Should be supplied with a suitable Cart for keeping the equipment, PC, Printer and all the accessories.
- 22. Should supply the following accessories and consumables.
 - a. EMG / NSV disc electrodes.
 - b. Sensory ring electrodes.
 - c. EMG needle electrodes.
 - d. Stimulating electrodes.
 - e. Conductive gel & EPP paste.
 - f. Measuring tape 7 market.
 - g. Single fiber EMG facility
 - h. Autonomic nervous system testing kit.
 - i. Collision technique.
- 23. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional

safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid

5. TECHNICAL SPECIFICATIONS FOR TREAD MILL MACHINE:

S.No	Description of function
1.1	In this system the patient exercises on a treadmill according to a standardized protocol and the cardiac abnormalities can be studied under stress conditions which we may miss
	under resting
S.N.	Operational requirements
stress	The Treadmill Stress Test System should be complete with acquisition of resting and 2.1 ECG, Treadmill Unit with interface with all the protocols and provision of printing the resting as well as Stress ECG and analyzing the same.
	Should be able to be interfaced to Hospital Information System/ LAN/WLAN
S.N.	Technical Specifications
3.1	Should acquire and analyze 12/15 simultaneous ECG Leads
3.2	Should have facility for display of all 12/15 leads real time Rhythm ECG on screen
3.3	Should have facility of on line storage of patient ECG data. Storage of at least 500 patients on HDD. In addition the storage on floppy drive or CD should be possible
3.4	Updated medians with elimination of artifact ectopy and aberrancy in all leads
3.5	Filters with facility to eliminate artifact due to respiration muscle/noise, AC interference, baseline wandering without compromising/distortion in ST segment changes
3.6	Should have facility to do the reanalysis of stored ECG report with reanalysis of the current stress report by changing the measurement point i.e. E, J and post J points
3.7	The monitor should display auto comparison of resting versus current lead of maximum ST depression separately with color coded protocol, stage, clocks for elapsed time, total time, Target HR, Treadmill speed & grade, PVC counts/minute, warning messages & prompts, lead check torso.
3.8	The system should have user defined report generation in different formats including the ST/HR loops and ST/HR index up to 15 leads formats for close diagnosis.
3.9	Should have facility for 12 lead resting electrocardiogram with full interpretation

3.10	Should have provision of software driven, user programmable exercise protocols or standard protocols. Facility should be available for choice for both staged and ramp protocols
3.11	System should print comprehensive final report on a minute by minute record of ST segment changes ST segment trend plot and acceleration of ST segment
3.12	Display should have facility to amplify a normal gain along with a sample of resting ECG complex for close test.
3.13	System should have dynamic scan facility to display automatically the worst ECG lead
3.14	Signal acquisition from patient and analysis should be performed at the patient itself to eliminate the environmental noise
3.15	Automatic arrhythmia detection and documentation
3.16	Facility for display of processed ECG vectors after signal averaging allowing view of artefact Free ECG complexes.
3.17	Should have beat to beat online storage and event review
3.18	System should be able to provide the real time printing by auto or manual mode in desired formats. Writer resolution should be thermal 1000 line/sec x 200 dpi for printing
3.19	System should have automatic noise free programmable treadmill FDA/CE/ISI approved/certified.
3.20	System should be able to be integrated with HIS/LAN/WLAN
3.21	Should be able to transfer data through modem card(optional)
3.22	The treadmill should always start from 0 mph and has load capacity of 450 lbs. And speed range of 0-13.5mph and elevation 0-25% and should have facility to run the self-calibration programme. Treadmill should have minimum 60" walking surface
3.23	Treadmill should have two stop modes with digital Microprocessor control, including one patient activated stop mode. The same should be interfaced to the main analysis system
S.N.	System Configuration Accessories, spares and consumables
4.1	Stress Test System -01
4.2	Treadmill -01
4.3	Interface Cable -01
4.4	Printer -01
4.5	Patient cable -02

4.6	Body wear	-01
4.7	Paper	-1000 A4 Sheets/ standard ECG paper recording
4.8	Any standard accessories required for running the system	
4.9	UPS of requisite strength with standby for 30 minutes.	

The system should contains all the above accessories in Integrated or as separate accessories..

S.N.	Environmental factors
5.1	The unit shall be capable of operating continuously in ambient temperature of 10 -40 ⁰ C and relative humidity of 15-90%
5.2	The unit shall be capable of being stored continuously in ambient temperature of 0 -50 ⁰ C and relative humidity of 15-90%
5.3	Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.

S.N. Power supply

6.1	Power input to be 220-240VAC, 50Hz, appropriately fitted with Indian plug
6.2	Resettable over current breaker shall be fitted for protection
6.3	Suitable Servo controlled Stabilizer/CVT
6.4	UPS of suitable rating conforming to IS-302 shall be supplied for ECG/computer system

S.N0 Standards and safety

7.1	Should be FDA or CE approved product
7.2	Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms . (OR EQUIVALENT BIS Standard)
7.3	Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450
7.4	Manufacturer should have ISO certification for quality standards.

S.N0 Documentation

8.1	User manual in English
8.2	Service manual in English
8.3	List of important spare parts and accessories with their part number and costing.
8.4	Certificate of calibration and inspection from factory.
8.5	Log book with instruction for daily , weekly, monthly and quarterly maintenance checklist.

The job description of the hospital technician and company service engineer should be clearly spelt out

8.6 ~~List of Equipments available for providing calibration and routine Preventive~~
Maintenance
Support. as per manufacturer documentation in service/technical manual.

6. TECHNICAL SPECIFICATIONS FOR CENTRAL CARDIC MONITOR CONSOLE:

1. system should have minimum 16 bed capacity

2. central station should have 17 inch colour display

3. should have drug dose and haemodynamic calculations.

4. it should have poible to view information such as vital sign, alaram status, arrhythmia analysis, trended parameter, patient data, etc for any selected bed from central station.

4. should have separate computer key board and 4 channel thermal array

recorder. 5. should have default alaram limits and customizable parameter

setting. 5. central should have full bed view capability.

6. Central station should be able to configured a bed side monitor if required.

7. should have 24 hrs trends

8. should have capability for HL7 interface. should be capable of monitoring telemetry

modules 9. All systems should have CE and US FDA Certifications.

10. should be uplied with a online suitable UPS.

7. TECHNICAL SPECIFICATIONS FOR DEFIBRILLATOR:

1. Should be based on latest technology, compact design upgradable to mounted on moulded study trolley, castor wheel with lockable system and facility to store accessories.
2. Should be a low energy Biphasic Defibrillator, monitor with recorder, having capacity to arrest all arrhythmias with multiple selectable energy levels maximum 200 joules.
3. Should have facility to disarm after 30 seconds.
4. Should work on manual and automatic external defibrillator (AED) mode with voice prompt.
5. Should monitor ECG through paddles, pads and monitoring electrodes.
6. Should defibrillator through pads and paddles.
 - Should be capable of doing synchronized cardio version through paddles. -Should have a inbuilt printer.
 - Should have charging time of less than 6 seconds for maximum energy.
 - Should have bright TFT / LCD display screen more than 8" for viewing messages and ECG waveform of 4 seconds.
 - Should have external paddles with paddles contact indicator-for good paddle contact.
 - Should have event summary facility for recording and printing atleast 50 events and 50 waveforms.
 - Should have configurable shock protocol, set up mode and auto self test before usage and setup function
 - Should have internal /external facility to store patient data more than 90 minutes of patient ECG & Events.
 - Should have sealed battery capable of usage for atleast 90 minutes or 40 approx. discharges. - Should have capable of printing reports on event summary, configuration, self test, battery capacity etc.
 - Should have Pulseoxymetry to detect low perfusion situation based on MASMO / Nellcor / FAST Technology.
 - Should have transcutaneous (external) demand & fixed mode pacing.

QUALITY Standard:

- Valid FDA/CE
- Safety feature for Electro-magnetic Compatability and Electric Safety standard as per accepted on international standard.

Standard Accessories for each Machine: -

- Paediatric and Adult Defibrillator paddle-1 each
- Reusable Oxymetry probes for paediatric and adult –1 each
- Disposable pads & paddles 10 each.

8. TECHNICAL SPECIFICATIONS FOR ARTERIAL BLOOD GAS ANALYZER

1. It should measure Blood Gas (full parameters) in its addition to measure Electrolytes like Na⁺, K⁺, Cl⁻, pH, pO₂, pCO₂. and Haematocrit .
2. Calculated parameters: TCO₂, HCO₃, Base Excess A-aDO₂, Buffer Base etc.
3. Should display all results in print out.
4. Should have input parameters of patient Temperature, Hemoglobin FIO₂, patient ID Etc.
5. Should have a sample temperature control of 37 degree centigrade.
6. It should have inbuilt printer.
7. Analysis time should not be more than 90 seconds.
8. System should be based on liquid / gas calibration technology.
9. System should not be a cartridge based system i.e. electrodes should not be in the cartridge system.
10. Should work on whole blood and should have syringe and capillary sampling.
11. Should be with numeric keypad, graphic / LCD display, and inbuilt printer and RS 232 port.
12. Analyzer with memory of storing patient data/result minimum 250 or more.
13. System should be supplied complete with all standard accessories, electrodes & start up kits.
14. Onboard life of reagents should not be less than one month.

15. Power input: 220 VAC + 10%, 50 Hz and a suitable one hr. back up UPS should be supplied along with analyzer. There should be storage facility of data in case of power failure.
16. Maintenance free electrode and the unit should be upgradeability for auto quality control.
17. System should be ISI /CE marked or US FDA approved.
18. Should submit certificate of relevant of IEC safety standards.
19. Any other parts except reagents to be replaced free of cost during warranty period.
20. Option for Software up gradation.

9. TECHNICAL SPECIFICATIONS FOR UPPER GI ENDOSCOPE AND COLONOSCOPE

The endoscope system must be suitable for high resolution, high magnification images of GI tract with ability to detect early cancers and pre-neoplastic lesions by optical enhancement of images. The system must have the facility to provide images with optical chromoendoscopy. The system should consist of the following individual items:

1. Side viewing endoscope - One in number
2. Working length - 1.2 – 1.4meter
3. Field of view - 90o – 110o
4. Outer diameter of insertion tube < 12mm
5. Bending capability UP - 1100

DOWN - > 900 or more

RIGHT - > 1000 or more

LEFT - 900 or more

6. Channel diameter - Minimum 4.2 mm

It should preferably have a locking mechanism for holding guide wires during ERCP.

It should be compatible with a processor capable of optical chromoendoscopy such as NBI, FICE etc

. [It should provide high resolution vision.

Standard accessories

- i. 2 extra suction and air water channel valves.
- ii. 10 Packets of Biopsy valve

Colonoscope - One in number

Working length: 150-180cm

Outer diameter: < 14mm

Channel size; 3.5 - 4.0mm

Minimum distance at which image can be focused: 1.5-3mm

Field of view: 1400 or more

Angulations of the bending tip: Up – 160-1800, Down - 160-1800 -

Right - 150-1800, Left - 150-1800

The colonoscopy should provide high resolution images with facility for mucosal and vessel enhancement.

The colonoscope should have a facility of external monitoring to show the position of the endoscope during the procedure without the need for fluoroscopy.

It should preferably have a mechanism for variable stiffness.

Additional water jet for mucosal cleansing. Standard accessories

i.2 extra suction and air water channel valves.

ii.10 Packets of Biopsy valve

4.Video processor

A common compatible video processor for high resolution images which should be compatible with all the endoscopes as mentioned above. Should have capability to store patient data, recording of still images, facility to portable USB slot for image recording. Preferably should have a Picture in Picture mode. Must be compatible with high definition monitor

5.Light source: Xenon Lamp of 250-400 watts.

6.High definition LCD monitor to provide high resolution images – at least 24” in size

7.Compact Suitable Original Trolley

8.Accessories: -

i.Leakage Tester - 01

ii.2 extra water bottles.

iii.2 Xenon Bulbs

The specifications pertaining to this equipment are broad based and many reputed companies fulfil our specifications/requirements.

Terms and conditions:

The system must have a standard comprehensive warranty of 5 years with spares and should quote CMC for next 5 years.

A certificate should be given by the supplier that the instrument has not been supplied at a rate lower than the rate quoted in the tender of AIIMS. If it is found to be so then the difference will be recovered from the supplier along with penal interest.

It should be certified that if the instrument becomes non functional, it will be repaired within the shortest possible time period otherwise a penal charge will be levied on the company.

