



AMC MEDICAL EDUCATION TRUST
AMC Zonal Office, Dr. Ramanbhai Patel Bhavan,
Usmanpura, Ahmedabad. -380013
Telephone No. 079-27561219

TENDER NOTICE

Tenders are invited for the purchase of following items for the use of Medical College of AMC Medical Education Trust, Ahmedabad.

Tender No.	Tender Name	Appx. Quantity Requires	Form Fee	E.M.D	Last Date for Submission of Tender
T-12	Instruments for Medical College	As per Schedule	Rs.500	Rs.1,00, 000	2nd January 2010

Only manufacturer or authorized distributor with valid authority may apply. Manufacturer or authorized distributor if interested may download the two-bid tender document from AMC website www.egovamc.com or www.amcmet.org & submit as per schedule given above.

AMC Medical Education Trust

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TENDER FORM

**IMPORTANT INSTRUCTIONS / TERMS / CONDITIONS TO BIDDERS
FORMING PART & PARCEL OF ENQUIRY DOCUMENT:**

PLACE OF SUBMISSION AND OPENING OF THE TENDER
Asst. Director
AMC Medical Education Trust
Dr. Ramanbhai Patel Bhavan, Usmanpura, Ahmedabad- 380013.

Tender Notice No. & Name		
Last Date Of Submission Of Tender	2nd January 2010	2:00 PM
Date Of Opening Of Tender (Technical Bid)	2nd January 2010	3:00 PM
Tender Fee	Rs.500/-	(NON REFUNDABLE)
Name & Address Of Bidder		

SPECIAL IMPORTANT NOTES: -

This is rate contract on Quantity Based (Quantity May be varied)
All Photo Copies Must Be Submitted Duly Certified True Copies.
No Document Will Be Accepted After Opening Of Technical Bid.
Chairman, AMC-MET, Ahmedabad Reserves The Right To Accept Or Reject Any Or All Tenders In Part Or Full Or Close The Tender Enquiry Without Assigning Any Reason, At Any Time, At Any Stage.
Technical Bid Must Be Submitted In Duplicate And Bidder Has To Mention Original Copy And Duplicate Copy Very Clearly.
The Specifications Available In The Equipment Offered Shall Be Clearly Mentioned Against Each Tender Specification.
For Any Imported Equipment/Part Of Equipment, Valid Documentary Evidence Regarding Foreign Make As Well As Import Of Goods Is To Be Provided By The Tenderer Along With Consignment.
Any Item Material, Material, Consumable Required For Installation And Commissioning Of Equipment To Be Brought By Supplier At The Time Of Installation Of Equipment.

{Signature & Stamp of Bidder} 2



TENDER FORM

IMPORTANT INSTRUCTIONS / TERMS / CONDITIONS TO BIDDERS FORMING PART & PARCEL OF ENQUIRY DOCUMENT:

(PART-I) GENERAL

This document comprises of FOUR parts labeled as Part-I/II/III/IV & Schedule as under:

1. a) **Part I:** Terms / Conditions & Important Instructions to the Bidders regarding tender / supply of various items:
- b) **Part II:** Summary of the offer, and also contains the format of certificates (as applicable);
- c) **Part III:** Offer documents for Technical Bid: **(In duplicate)**.
- d) **Part IV:** Offer document for Commercial Bid: **(In duplicate)**.

Parts I / II/ III & Schedule with the relevant documents / certificates should be submitted in one sealed envelope marked **“Technical Bid”**

Part IV should be submitted in a separate sealed envelope marked **“Commercial Bid”** which should contain offer as per Part-IV.

Demand draft of E.M.D., Demand draft of Tender Fee & Bank details (as per annexure- V) to be submitted with another envelope marked **“E.M.D.”**.

All the envelopes should be clearly super scribed with Tender Enquiry number and the relevant part number (I/II/III or E.M.D.) as the case may be. All the three / four envelopes (as the case may be) should be submitted in one envelope on which the tender enquiry #, name of Bidder and date of opening of tender should be clearly written.

2. **Each page & all documents submitted along with Bid must be signed and stamped by authorized signatory.**
3. No tender will be accepted after prescribed closing time for submission of the same. The delay will not be condoned for any reason whatsoever. However, if the last date of submission of tenders is declared as a holiday by the AMC / Government, the last date of submission of tenders will be extended to the next working day with the same time and venue specified in the tender.
4. Bidder should read this document very carefully and comply with the instructions / terms / conditions therein. Any tender which does not confirm with the instructions / terms / conditions therein is liable to be rejected without any clarification.
5. In case, tender quoted by Distributor than authority letter of manufacturer should be submitted. In case when the authority letter is submitted by subsidiary company of their foreign manufacturer, the subsidiary company will have to produce documents that they are 100% subsidiary company of their foreign manufacture whose items / instruments is quoted.

6. In case where item is required with ISI Mark, manufacturing and selling experience of product having ISI mark will only be considered. But, in such a case, certified copies of licenses to use ISI mark for last one year as well as latest and valid license are to be submitted with tender. The license should be valid during the period of rate contract. It will be the sole responsibility of R.C. Holder to ensure that necessary certificate and permission must be valid till the expiry of the Rate Contract.
7. The certificate should be in force and valid on the last date of the tender / signing of the agreement {as the case maybe}. In case, the certificates / licenses / permission are outdated or the validity period is over, the proof of applying for renewal should also be attached. Such certificates will be considered if the renewal has been applied for within the time limit prescribed for the renewal of that permission / license / certificate under the relevant rules and further if such application for renewal is not specifically rejected by the competent authorities. In case any certificate is still awaited from the competent authority, the proof of making the application should also be attached which will be considered if the application is not specifically rejected by the competent authorities.
8. Variation in the terms and conditions of the tender, including deviation from standards / specifications / terms of supply, payment will not be accepted. **No conditional offer / quotation will be accepted.**
9. In Part III / IV no modification should be done by the Bidder in the name of item, Code No and in the specifications / grade / quality of the item given in the enquiry document. **In Part III (Technical bid)** all information asked / required including specification available in offered models should be mentioned clearly. Additional specifications / features if any available in the offered models shall be provided in additional sheet. **Part IV the rates, applicable taxes (GST / CST / VAT), and total rates with applicable GST/CST/VAT of the item should be filled in along with the item.** In both the cases, nothing else should be written or filled in either Part III/IV.
10. The rates should be distinctly stated. The tax viz. Sales Tax. Excise, etc. should be clearly mentioned, if nothing is stated the rate will be treated inclusive of all taxes and treated as final rate, but bidder has to give split of rate if demanded from AMC-MET, Ahmedabad.
11. In no case, rates should be quoted anywhere except in part IV. The tender will be summarily rejected without any further processing or reference if the rates are quoted or written at any place except at the relevant place in Part IV.
12. In no case, rates for any item should be quoted in Part IV for which the technical details are not given or the items not quoted with details. In that case, rate quoted for that item will not be considered.
13. **E.M.D. & TENDER FEE:**
Individual Demand draft to be paid for E.M.D. & Tender Fee in favor of “**Chairman, AMC-MET, Ahmedabad**”. Bidder has to submit separate D.D. as tender fee tender wise. Tender Fee Rs. 500/=per tender is non refundable. **Any Tender without E.M.D. and Tender fee would be outright rejected.**
If the tender is accepted, E.M.D. will be converted in to security deposit and it will be retained till the due performance of the contract. After the due period of the contract the amount of security deposit (S.D.) will be refunded on production of no objection certificate from the direct indenting officer.
Bidder will have to inform to AMC-MET, Ahmedabad if their Bank details changed after submission of bid. Other wise in case of E.M.D. or Security Deposit return, payment would be done on the basis of bank details they have submitted with bid.

The E.M.D./Security Deposit shall liable to be forfeited in the following circumstances when the:

{Signature & Stamp of Bidder} 4

- (a) Bidder fails to sign the agreement for entering into contract in case the offer is accepted, due to any reason whatsoever.
- (b) Bidder fails to replace the goods within given stipulated time, declared **not of standard quality** or not conforming to acceptable standards or found to be decayed / infected / spoiled before the date of expiry.
14. Bidder will have to submit ten-valued customer's list & Product literature of all quoted products.
15. (i) The detailed required specifications of the equipment to be purchased are shown in technical Bid. The tenderer should either confirm whether the items offered are conforming to these specifications clearly OR specifications available in offered product should be shown against each specification along with name of manufacturers. Brand / Model only in the format provided in technical bid. Please note that tenderer should not write 'As per Literature enclosed'. In such a case, offer shall not be considered.
- (ii) The Tenderer should have to arrange demonstration of equipment offered as and when desired at their expense failing which tender shall be liable to be ignored. In case where samples are required to be submitted, it should be kept ready and submitted as and when demanded in duly sealed pack super scribed with details of tender enquiry No, due Date, Name and address of tenderer, make / model etc. failing which offer shall be liable to be rejected.
16. The rates quoted in part IV must be F.O.R. destination at AMC MET Ahmedabad and Ahmedabad Municipal corporation's Hospitals or AMC-MET's College with installation per unit basis mentioned in the enquiry document and should be comprehensive incorporating the cost of the instrument / equipment and accessories required as part of the equipment and shown as such in the enquiry document. In case any item is required as an essential accessory for operating the equipment, it must be mentioned clearly in Part-III and its rates must be included in the rates for the equipment in Part-IV. If not mention of such essential accessories is made in Part-III or if its rates are not shown in Part-IV, it will be presumed that the cost of essential accessories is included in Part-IV and no separate payment for the same will be made thereafter under any circumstances. If any accessory is demanded as mandatory in the tender enquiry, under no circumstances it should be shown as an optional accessory and quoted separately. The price of the product offered must include the accessories required for operation of the instrument and no separate payment will be made even if such an accessory is not included in the quotation. Only those accessories which are specifically recommended by the manufacturer of the instrument / equipment should be offered as part of the equipment and under no circumstances a cheaper variety of an accessory not approved / recommended by the manufacturer should be offered.
17. Tenders will be opened on the date, time & venue specified in tender notice and the Bidder or his authorized agent has the liberty to be present at the time. However, in unavoidable circumstances, the Chairman, AMC-MET or Demanding officer appointed by him can change the date / time / venue of opening or open the tenders in the absence of Bidders or his agent at his discretion. In case the Government/A.M.C. declares the specified date as holiday, the tenders will be opened on the next working day at the same time and venue specified in the tender.

18. (a) In the first instance only the “**Technical Bid**” envelope containing Parts I/II/III of the documents will be opened on the date of opening of the tender and taken into consideration for finalization. Subsequently, the “**Commercial Bid**” envelope containing Part IV will be opened only of those Bidders who’s Technical Bid satisfy the technical requirements of the tender and are otherwise acceptable. No intimation for commercial bid would be given to Bidder whose technical bid disqualified.
- (b) Technical bid and commercial bid to be submitted original copy and duplicate copy and in case of any discrepancy in original copy and duplicate copy the original copy will be final and binding.
- (c) Once the tender is submitted it will be the responsibility of the Bidder not to escape half way directly or indirectly by way of raising any problems
19. Chairman, AMC-MET reserves the right to accept similar tender quoted item equivalent to specification or other than the specified one, may be accepted.
20. **TERMS OF SUPPLY**
- RISK PURCHASE:** If the contractor fail to deliver the stock or any part thereof within the period prescribed for delivery to the Chairman, AMC-MET or the Direct Demanding officer or any officer authorized by Chairman, AMC-MET in his behalf, may take any of or more of the following steps:
- (a) Recover from the contractor as liquidated damages a sum equivalent to one half percent of the price of the undelivered stock at the stipulated rate for each week or part there of during which the delivery of stock delayed, subject to a maximum limit of 10% in case of order less than Rs. 1 lac and 5% in case of order exceeding Rs. 1 lac value.
- (b) To purchase undelivered stock or others of a similar description where others are exactly complying with the particulars in the opinion of Chairman, AMC-MET or Demanding officer or any officer authorized by him on his behalf (which shall be final) on contractors account and at contractor's risk.
- (c) To cancel the contract on the event of action being taken under a) and b) above and contractor shall be liable to make payment for any loss Municipal corporation sustain by reason of higher price of the stocks so purchased.
21. On the event of order being placed with the contractor against this tender, if contractor fails to supply any stocks as per terms and conditions of acceptance of tender or fails to replace any stock rejected by the direct demanding officer or Any person authorized by Chairman, AMC-MET on his behalf they are entitled to purchase from elsewhere such stocks from any other source at such price at his discretion without notice to the contractor and if such price shall exceed the rate set out in the schedule of acceptance of tender, the contractor shall be responsible to pay the difference between the price at which such stocks have been purchased by the direct demanding officer and the price calculated at the rate setout in the schedule.
22. In the event of breakages or loss of stocks during transit against requisition order the said quantity will have to be replaced by the R.C. Holder.
23. **Delivery Period:** Unless specified in the tender or instructed by Chairman, AMC-MET, Ahmedabad or Direct demanding officer maximum delivery period shall be of Two weeks.
24. The payment of the bills shall be withheld in the following circumstances:
- a) The goods are found sub-standard or in non-acceptable conditions:
- b) Breach of any condition of contract by the R.C. Holder
25. The claim of price revision of finished goods will not be allowed under any reason, in ordinary circumstances except government taxes, excise duty, justification with Govt.order.

26. The installation of equipment is to be completed within 10 days of delivery.
27. Tenderers will have to provide four free services for maintenance during the warranty period, which should be for minimum of one year. In addition to provide services, supplier has to attend the complaint, if any, for any defects, within 48 hours including replacement of any defective part, failing which Rs.100/day (in case of item value is less than 5 lac) and Rs.300/day (in case of item value is more than 5 lac) will be recovered and period of break down of equipment shall be excluded from the warranty period. In such a case period of warranty shall be extended accordingly. After completion of warranty period, if the Chairman, AMC-MET, Ahmedabad or Direct demanding officer on his behalf desires, supplier will have to enter in to a comprehensive maintenance contract for 5 years at the rate per annum not exceeding 10 % of the total contract would include free replacement of any part / component, if required, during the period of the contract. The maintenance contract of the above shall be made operative from any time during the first five years from the date of contract. Any offer for service contract contrary to these conditions will not be accepted. Tenderers will also have to guarantee regular and timely supply of all the spare parts required for the normal working of the item at a cost not exceeding the cost of such a part charged to any other Government organization.
28. Suppliers are required to impart training to operate equipment at the place of installation within seven days of its installation.
29. **Replacement Clause:** If any stocks supplied to Medical College or AMC-MET, Ahmedabad against the R.C. are found to be “**not of standard quality**” on inspection and / or analysis the entire quantity has to be replaced within three weeks or make full payment of the entire consignment (Batch) against the particular invoice irrespective of the fact that part or full quantity (Batch) of the Stocks Supplied have been consumed.
30. Bidders convicted of an offence under the Drugs Act. 1940, the Dangerous Drugs Act. 1930 and the Bombay Prohibition Act, 1949 or the Bombay Opium Act, 1938 or any related act in force from time to time as adopted by Gujarat State will not be eligible for being given contracts.
31. All the instruments to be supplied with **user manual as well as service manual**. All the instruments should be ISI or CE certified. The company should be ISO 9000:2001 Certified for items costing more then Rs. 5000/- per unit.
32. Bidders should see that the words "AMC-MET" are either printed or rubber stamped on the labels pasted on each container by the manufacturing firms or the suppliers.
33. Bidders should submit the tender duly sealed (by sealing wax) and super scribed properly, failing which the tender will be rejected.
34. Validity: Bidders are requested to give 180-calendar days validity period for their offers from the date of opening of the technical bid.
35. Bidder whose tender is accepted will have to execute an agreement on stamp paper at his cost.
36. In case of a partnership firm and a joint Stock company the contract must be signed by the Directors or by a person duly authorized to sign the contract for the company or firm.
37. Bidder shall have to supply goods to different medical institutions in the Municipal Corporation limits. The invoice of supplies to such institutions must be sent in four copies, of which three copies to the indenting officer and one to the Asst. Director, AMC-MET, Municipal corporation, Ahmedabad.

38. Any kind of change in the dept. like dismantling & refixing of the fall ceiling, fixing of plate on ceiling/strong part of any horizontal beam, etc. Must be done by the tenderer, without disturbing the look of the dept.
39. The payment against supply of stocks shall be made within 30 to 45 days from the date of receipt of the goods in good and acceptable conditions at the destination (in case of surgical instrument after successful installation). However, no interest will be chargeable by the R.C. Holder, if the payment is delayed.
40. Direct Demanding Officers: All Superintendents of the general hospital of Municipal corporation and all Deans of AMC-MET Medical and dental Colleges, Ahmedabad declared as Direct demanding officers.
41. Warranty & guarantee period should be mentioned clearly. **Warranty should not be less than One Year.**
42. The issue of this contract is a rate contract and quantity basis. Each and every order received during the currency of the contract from the direct demanding officer should be executed by the contractor, who shall held an adequate stock for the purpose.
43. The rate contract can be terminated by the Chairman, AMC-MET, Ahmedabad in the following circumstances:
 - a) If the firm is debarred or disqualified or ceases to exist or convicted of any offense.
 - b) If the quality of the item to be supplied is found not up to the **standard quality** and multiple samples are found to be **“not of standard quality”**.
 - c) If the supply position of the firm is not satisfactory.
 - d) On breach of contract.
44. Bidders should quote product of **one company only** in each column, failing which tender may be rejected.
45. The period of the rate contract shall be one year from the date of issuance of Rate Contract. However, the Chairman, AMC-MET reserves the right to terminate the contract at any time at any stage without assigning any reason by giving one-month notice.
46. For any clarification Bidders may contact Asst. Director, AMC-MET during 3 p.m. – 4 p.m. on any working day at AMC-MET, Dr. Ramanbhai Patel Bhavan, Usmanpura, Ahmedabad.
47. This contract is subject to Ahmedabad jurisdiction only.

ACCEPTANCE OF TENDER:

The Bid will be rejected due to any reason or reasons mentioned below:

1. Non-submission of tender within stipulated time.
2. Submission of tender without tender fee and E.M.D.
3. Bid unsigned or unstamped or not initialed on each page or with unauthenticated correction.
4. Submission of tender documents in unsealed envelope.
5. Bid not submitted in separate envelopes as per conditions and the envelopes are not super scribed with details of the tender enquiry and part enclosed.
6. Non-submission of required documents.
7. Conditional and / or vague offers.
8. Unsatisfactory past performance of the Bidder.
9. Rates have been shown elsewhere than **Part IV**.
10. Items with changes / deviations in the specifications / standard / grade / packing / quality.
11. Submission of misleading / contradictory / false statement or information and fabricated / invalid documents.
12. Tender not filled up properly/hand written tender.
13. Offering a cheaper accessory not approved / recommended by the manufacturer.
14. Non-submission of authority letter in prescribed format in case of suppliers/authorizes distributor. Subdealers / Subdistributors will be liable for rejection.
15. The legible and certified copies of the following documents **NOT** attached / annexed to **Part II**:
 - a) Valid Manufacturing license & Product Permission (as the case may be), for imported products valid Manufacturing License & Product Permission of manufacture (as the case may be);
 - b) Valid Appropriate Drug License of manufacturer & distributor & Valid Import License for imported Products.
 - c) Valid (Good manufacturing practice) G.M.P. / W.H.O. G.M.P. / D.G.Q.A. certificate, for imported drug products valid G.M.P. / W.H.O. G.M.P. certificate of manufacturer;
 - d) I.S.O. certificate (If applicable).
 - e) Valid I.S.I. certificate (if applicable).
 - f) CE Certificate for the product (if applicable).

(PART-II)
ANNEXURE-I
Verification, Undertaking & Documents
(On letterhead of the tenderer)

From: M / s. -----

No.-----

To: Asst. Director
AMC-MET
Dr. Ramanbhai Patel Bhavan, Usmanpura,
Ahmedabad.

Sub: Supply of Drugs / Medicine / Medical Equipments etc.

Ref: Tender Enquiry // -----

Sir,

I / we enclose the priced tender from duly signed & stamped. Necessary documents are enclosed herewith. The rates quoted against each item are inclusive of excise duties and other charges. I/We shall abide by all these conditions. I/We hereby undertake to supply the goods to the consignees as per the terms of the R.C Mentioned in the Bid documents.

I/We certify that the copies of the certificates / documents attached herewith are authentic true copies of the original certificates / documents and I/We undertake to produce the original certificates / documents for verification on demand. I/We undertake to supply the attested copies of certificate / documents required at the time of signing the letter of agreement if my/our offer is accepted.

I/We certify that I/We are in possession of the requisite licenses / permits required for the manufacturer / supply / sale / distribution of the items and further certify that the said licenses / permits have not been revoked / cancelled by the issuing authorities and are valid as on date. I/We also certify that I/We have not been blacklisted / debarred / stopped form supply of the items quoted in the Tender Enquiry by any Government Department / Organization / undertaking in India.

I/We also take cognizance of the fact that providing misleading or questionable information or failure to furnish correct or true information to you or any other Direct Demanding Officer or failure to comply with any contractual requirement laid down by you / them will be considered as a serious breach of the terms and conditions of the tender and will invite disqualification and other penal action as deemed fit by the Authority.

Yours faithfully,

Date: -----

{Signature & Stamp of Bidder} 10

(PART-II)
ANNEXURE-II
(FORMAT OF MANUFACTURING EXPERIENCE & MARKETING DATA)

I _____ age _____
 residing at _____
 _____ in capacity of _____ M/s. _____
 _____ here by solemnly affirm that ...

We have manufacturing experience of tender quoted Item No. ----- for
 _____ year's

Sr. No.	Item code	Name of Item	YEAR	Continuance of production & marketing of last three years		
				Mfg./ Imported Qty.	Sold Qty.	Sale Value (Rs. Lac)
			2006-07			
			2007-08			
			2008-09			
			2006-07			
			2007-08			
			2008-09			
			2006-07			
			2007-08			
			2008-09			
			2006-07			
			2007-08			
			2008-09			

That on the basis of the above facts & figures we M/s. _____ has manufactured / marketed Our products prior to the due date of Tender Enquiry No. _____ as per the specifications mentioned in the tender.

Whatever stated above is true & correct.

(If required attach photocopy of sheet)

{SIGNATURE AND STAMP OF AUTHORISED SIGNATORY}

Date: _____

(PART-II)

{Signature & Stamp of Bidder} 11

ANNEXURE-III

**(FORMAT OF AUTHORIZATION LETTER FOR AUTHORIZED DISTRIBUTOR)
(IN ORIGINAL on MANUFACTURER'S LETTERHEAD)**

I / we

_____ hereby declare that...

1 M/s _____ is our authorized distributor for our products from date _____ and they are authorized to quote and follow up on our behalf and the said agreement is valid in force as on date;

2. I / We undertake to supply the drugs / items for which the quotations of following items are _____ submitted _____ by _____ M/s, _____ on our behalf in respect of Tender Enquiry # _____

<u>Sr. No.</u>	<u>Item No.</u>	<u>Name of Item</u>
----------------	-----------------	---------------------

(1)

(2)

3. I / We have read all the terms and conditions of the enquiry and the same are irrevocably binding upon us till the expiry of the contract signed & executed on our behalf;

4. I / We shall notify the Chairman, AMC-MET, Ahmedabad immediately if there is any change _____ in _____ the _____ agreement _____ between _____ M/s. _____ and _____ me/us _____ regarding authorized distributorship of our products and further undertake to supply the items quoted by the distributor on my / our behalf at the quoted in the tender enquiry in case of such a change of agreement.

5. This authority is applicable only for Tender Enquiry # _____

{SIGNATURE AND STAMP OF AUTHORISED SIGNATORY}

Date:

(PART-II)

{Signature & Stamp of Bidder} 12

BANK ACCOUNT DETAILS
ANNEXURE –IV

1	Name of the party	
2	Address	
3	Telephone No./ Mobile No.	
4	Email ID	
5	Pan No.	
6	Name of the Bank	
7	Branch & Address of Bank	
8	Account Type	
9	Bank Account No.	
10	MICR Number	
11	I.F.C.E. Code No. (Bank)	
12	Amount Payable	

My above bank details are true and correct.

Bank details shall be providing on bidder's letter pad and to be submit in E.M.D.Envelope **only**.

(PART-II)

{Signature & Stamp of Bidder} 13

CHECK LIST

		Yes/No	N.A.	Your's Page No.
1	D.D. of tender fee submitted			
2	D.D. of E.M.D.submitted.			
3	Bid stamped and initialed on each page.			
4	Submission of tender documents in sealed envelope.			
5	Separate envelope of EMD.			
6	Separate envelope of Technical bid.			
7	Separate envelope of commercial bid.			
8	Authority letter			
9	Valid Manufacturing license & Product Permission (as the case may be),			
10	For imported products valid Manufacturing License & Product Permission of manufacture (as the case may be);			
11	Valid Appropriate Drug License of manufacture & distributor & Valid Import License for imported Products.			
12	CE certificate			
13	I.S.O. certificate (If applicable).			
14	Valid I.S.I. certificate (if applicable).			
15	Each envelopes super scribed with details of tender inquiry and part enclosed.			

**PART III
TECHNICAL BID
(IN DUPLICATE)**

Item No. & Name of Item:		Tender No.:
Manufacturer	Brand	Model
Bidder Name		
Required Specifications	Specifications available in offered model	

Warranty Period (in Years) : _____

Remarks of Scrutiny Committee: **(Only For Office Use)**

(PART-IV)
PART IV: COMMERCIAL BID
(IN DUPLICATE)

Tender No. & Name : _____
E.M.D. Rs : _____
Name of Bidder : _____

(TO BE SUBMITTED IN SEPARATE ENVELOPE MARKED “COMMERCIAL BID”)
(DO NOT SUBMIT THIS PART IN THE SAME ENVELOPE WITH PARTS I/II/III)

Sr. No.	Item Code No.	Name of Item	Unit	Mfgd. By	Basic rate	Tax GST/CST %	Excise Duty %	Freight/Insurance, installation charges etc.	Other duty, taxes & charges (pl.specify)	Final rate	Remarks
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.

1. The above commercial bid must be submitted in duplicate and bidder has to mention original copy and duplicate copy very clearly.
2. Softcopy (CD) of commercial bid has to be enclosed in Microsoft Excel (Editable) format along with hardcopy for faster analysis.
3. Bidder should specify if GST/CST % mentioned in Column 7.
4. The above quoted rates are inclusive of Excise duty, V.A.T., Packing, Forwarding and insurance charges F.O.R. Destination at AMC-MET and Ahmedabad municipal corporation hospitals.
5. If more items are quoted than attach additional photocopy sheets.
6. Rates must be quoted per unit.
7. Rates should be quoted in Indian currency even though the item is imported.

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Schedule to Tender No. T-12
Items with Item Code and Specification

General Instruments for All Departments

ITEM Code	Name of instrument	Specification	Quantity
GEN01	Microscope - Student	Stand - sturdy stand Viewing bodies : Monocular tube, 45° inclined 360° rotatable Eyepieces: Integrated wide field eyepiece WF 10x/18mm, with foldable eye guard, anti fungus coating. Nosepiece: Quadruple nosepiece(Ball bearing type) with rubber grip Objectives: DIN Semi-Plan Achromatic objectives, anti fungus coating 10X, 40X(Spring loaded), 100X(Spring loaded) Mechanical stage: with Co-axial drive, highly smooth on ball side s.s. holder for slide 75X50mm movement Condenser: ABBE condenser NA1.25 with aspheric lens. Iris diaphragm with snap-in blue filter. Focusing: Co-axial coarse and fine focusing Illumination: LED illumination, variable intensity control, Built in rechargeable battery, Electrical: Input 100V-240V AC. Antitheft facility for objective, C/E and U/L certified, ISO9001:2008 certified company	204
GEN02	Demonstration eye pieces	as per Microbiology dept. specifications	6
GEN03	Electrophoresis type 610	<ul style="list-style-type: none"> • Constant Voltage Mode - Range: 100,200 & 300 V DC -Load: apporx. 50 mA -Display resolution: 1 Volt • Constant Current Mode- - Range: 1.5 mA to 50mA -Load :apporx. 300 V -Display resolution: 0.1 mA Power Supply: AC 230 V+/-10% at 5o Hz. Accessories: (1) Horizontal tank , Buffer capacity 100-150 ml /compartment (2) Vertical tank , Buffer capacity 100-150 ml /compartment (3) Mini Horizontal tank , Buffer capacity 30-40 ml /compartment	3
GEN 04	PH METER (TABLE MODEL) (A.T.C.) WITH AUTO TEMP.COMPENSATION1	pH meter cum Thermometer, Auto temp. Compensation, with electronic buffer and temp. probe. Readout: 3 1/2 digit LED display Function: pH,mV and Temp. Range : ph:0 to 14.00 mV:0 to ± 1.999 Temp.: 0 - 100°C Resolution:pH:0.01 pH mV:1 Temp.:0 - 1°C Accuracy: pH:±0.02 pH ±2 least count mV:±-0.02% ± 1 least count Temp.:±1% Temp.Comp.: 0 to 100°C. Power required : 230 V AC ±10% 50Hz,5VA Warming time : 5 minutes Weight : 1 Kg(approx.) Body :ABS Dimension: 80mm(H)x235mm(W)x150mm(L) Electrode : Conbiend PVC sleeved Electronic buffer: Equivalent signal output of ideal electrode in solution of 9.2, 7.00, 4.00, pH. Useful for self diagnostic. Accessories: Stand set, patch cord for Electronic buffer, Buffer tablets for 9.20,7.00,4.00 pH, Screwdriver and Dust proof Cover	05

GEN 05	Over head projector	<ul style="list-style-type: none"> - Projection head folding type - Focusing by Rack-n-Pinion - Illumination 24V-250W halogen bulbs on step-down transformer With solid state control light in intensity - Cooling system to projector overheating self lubricating type motor - Stage temperature maintain at 45 - Writing surface 285X285mm - Complete with on-off switch, main indicator, light intensity control Supply with all accessories 	5
GEN 06	Micrometer eye piece and stage	GENERAL SPECIFICATION	04
GEN 07	Refrigerator	ISO Certified Company with 4Stare and above BEE rating Capacity 365ltr CE Certificate	08
GEN 08	Refrigerator	ISO Certified Company with 4Stare and above BEE rating Capacity 230 ltr CE Certificate	03
GEN 09	LCD TV	ISO Certified and CE Certified with standard company, HD compatible, with good sound quality and high resolution. Size: A. 22 inch B. 32 inch C. 47 inch (Full HD)	1 each
GEN 10	DVD Player	ISO 9000:2001 certified company, CE Certified product, able to play all type of Audio, Video CD and DVD from all major formats.	2

Name of Department : DEPARTMENT OF MICROBIOLOGY

ITEM Code	Name of instrument	Specification	Quantity
MCB 01	Hot air Oven	<p>Chamber size: 24”X24”X24”</p> <ul style="list-style-type: none"> - Three side heating elements - Double wall fabrication - S.S. inner chamber - Two shelves - Kanthal wire heating elements - In built thermometer with control panel - Air circulating fan - Timer 0-24 hours - Thermostat with accuracy of $\pm 1^{\circ}$ C - Digital temperature –cum-controller - Outer powder coated mat finish colour combination <p>Temperature range - 50o C to 250°C $\pm 2^{\circ}$ C</p>	2 - Two
MCB 02	Incubator	<p>Chamber size: 36”X24”X24”</p> <p>Double wall fabrication</p> <ul style="list-style-type: none"> - Three side heating elements - S.S. inner chamber - Two/ Three shelves - In built thermometer with control panel - Air circulating fan - Timer 0-24 hours - Thermostat with accuracy of $\pm 1^{\circ}$ C - Digital temperature –cum-controller - Outer powder coated mat finish colour combination - Temperature range - 5° C to 80°C $\pm 1^{\circ}$ C 	2 – Two
MCB 03	B. O. D. incubator	<p>Chamber size: 24”X18”X16”</p> <ul style="list-style-type: none"> - Double wall construction - S.S. inner chamber - Two/Three removable perforated shelves - Outer double wall door provided with magnetic gasket & lock and key arrangement - In built thermometer with control panel - CO²/Air mixture inlet nozzle - Automatic Walt age stabilizer 3KVA MUST - Timer 0-24 hours - Thermostat with accuracy of $\pm 1^{\circ}$ C - Digital temperature –cum-controller - Outer powder coated mat finish colour combination - Temperature range - 5° C to 50°C $\pm 0.5^{\circ}$ C - Internal illumination with florescent tubes 	2 – Two
MCB 04	Centrifuge	<p>Capacity: 6X15ml</p> <ul style="list-style-type: none"> - Electrically operated, vibration free with build in five speed regulator and non removable swing out rotor - Complete with tube carrier - Maximum speed 3500 /rpm <p>Automated timer 0-60min</p>	3(Three)
MCB 05	Serological Water bath	<p>Chamber size: 18”X12”X7” (25Ltr.)</p> <ul style="list-style-type: none"> - Double wall construction - S.S. inner chamber - In built thermometer with control panel - Thermostat with accuracy of $\pm 1^{\circ}$ C - Digital temperature –cum-controller - Outer powder coated mat finish colour combination - Temperature range - 5° C to 80°C $\pm 0.5^{\circ}$ C - Workable on 220 AC voltage <p>With stirring arrangement with racks and thermometer</p>	2 (Two)
MCB 06	Autoclave: Vertical	<p>Chamber size: 400 x 600 mm 5kw 78 liters</p> <p>Double walled construction with boiler & steam jackets</p>	3 (Three)

		<p>made of thick stainless steel Dial pressure gauge, air/steam release cock, spring loaded safety valve adjustable to any required point from 10psi to 20psi with accuracy + 3psi. With standard accessories like drain cock, pressure gauge, steam release cock, spring loaded safety valve and heating elements Automatic low water level cut off device Pressure control switch Water level arrangement</p>	
MCB 07	Analytical Balance	Digital: 0.1gm to 500gm with ISI Mark	2(Two)
MCB 08	Laminar air flow : Horizontal	<p>Size of HEPA filter: 3'x2'x6" No of HEPA filter: 1 No of prefilter : 1 Illumination: 1x20w U.V. Germicidal light: 1x1.5feet Folding front door made of acrylic sheet Cabinet made of stainless steel sheet Manometer- acrylic UV lamp One Extra to be supplied alongwith the instrument. Two gas tap for gas</p>	2 (Two)
MCB 09	Biological Safety cabinet : Vertical level 2	<p>Working chamber: 3'x2'x2 Size of HEPA filter: 3'x2'x6" No of HEPA filter: 1 Illumination: 1x20w Virus burns out Exhaust ducting U V Light & fluorescent light Pre-filter Manometer- acrylic Two gas tap for gas</p>	2 (Two)
MCB 10	Rotary shaker (VDRL Shaker)	<ul style="list-style-type: none"> - Tray type platform - Fixed speed 180rpm - 0-60 min. timer - Body made with sturdy mild steel, finished in enamel paint 	2 (two)
MCB 11	Deep fridge	<p>Horizontal models are provided with hinged lids. Sub doors are of acrylic. Outer body is powder coated for lasting finish and corrosion resistance. Stainless steel chamber of thick gauge duly polished and fusion welded. Thermocol/Polyurethane insulation of 4"-6" on all sides, including outer door. Main door provided with magnetic/silicon gasket to seal chamber against atmospheric conditions. Sub doors provided to reduce heat loss. Air cooled single stage hermetically sealed compressor provide quick pull down of temp. Digital temp. Controller operates compressor only when required to ensure minimum consumption of power. Alarm provided for temp. rise. Temp.range from -0°C to -20 °C ¢ Temperature Control: Microprocessor based controller ¢ Sensor Temp. Range -0°C to -20°C ¢ PT 100 sensor ¢ Resolution: 0.1°C ¢ Audio Alarm for high and low temperature. ¢ CFC free refrigeration system. ¢ Heavy duty Castor wheels for easy movement ¢ Control of temperature within 3°C of set temperature. ¢ Duly Polished 304 Grade Stainless Steel inner chamber ¢ Outer made of Mild Steel with powder coated. ¢ Fin & Tube type air-cooled condenser. ¢ Double walled main door (interior lined with stainless steel) wih sub doors.</p>	2 (One)

		<p>ϕ Sub doors made of stainless steel sheet.</p> <p>ϕ Double Gasket system for leak proof.</p> <p>ϕ Heavy duty hinges with toggle type.</p> <p>ϕ Polyurethane Insulation (PUF).</p> <p>* Working size 10 cft</p>	
MCB 12	Dark ground Microscope	Versatile attachment for Dark field microscopy	2 (Two)
MCB 13	Elisa reader, dispenser and washer	<p>Light weight, Elisa reader capable of reading flat & V bottom plates, 8to 12 well strips plate, optics based on 8 measurement photodiodes and one reference photodiode, indication range is 0 – 3.5od, spectral range 400-750mm,fast read speed of 6sec for single and 11sec for dual wavelength plate, option for both fast read and step read, option of mixing as per programmed required, software for storage of data & protocol, 8 filter with 4 standard filter with 4 open filter slots, capable of reading both endpoint and kinetics , Accuracy and linearity up to 3.5 OD, give reports like raw, absorbance, cutoff, concentration and curve fit, provide with RS 232 serial communication port with optional computer software for data management, system should CE/FDA approved.</p> <p>Washer : option for 8 or 12 channel, software for wash programme ,6 single cycle washing method & 4 two cycle washing method,capacity of 75 wash programme, soak time 0 to 9.99sec,0 to 59 min in plate mode, plate shaking capacity, liquid dispense flow conrol,programmable needle postion, residual volume less than 2ul, wash mode, strip mode,plate mode, plate compatibility with 96 well microplate ,every method should be repeated upto 9 tomes, easy removal manifold, accuracy less than 2.5% CV across the 96 well plate.</p>	One set
MCB 14	Lovibond comparator	with one ph disc	1(one)
MCB 17	Arnold steam sterilizer	Standard with SS body	02(Two)
MCB 18	Inspissator	Inspissator is of immense value in the detection and control of tuberculosis. It is a low cost unit capable of inspissating bottles in a single load. Triple walled, Water jacketed, Complete stainless steel inside chamber, body and water bath made of S.S.304. Water level gauge provided to check water level. Temperature Range from 5°C above ambient to 95°C. Heating by an immersion element which is controlled by Microprocessor based AUTO TUNING PID Temp. indicator cum controller with an accuracy of ± 1°C. The media bottles or tubes can be kept at any desired angle by adjusting levelling feet to provide slope to media. Complete with pilot lamps, Glass/Acrylic cover and wire and plug to work on 230 Volts. BATH TYPE To Hold Tube - 50	02(Two)
MCB 19	Seitz filter	<p>14 CM SIZE.</p> <p>To remove submicron particles for bacteriological and other, laboratory work. Made of stainless steel/ Gun Metal, Chrome plated throughout. Filter pads(not supplied and used as the filtering medium) can be used until clogged but can not be regenerated. Filters are designed for different capacities. Screw cap has air tight fitting. For use with pressure vacuum or gravity with the top closed and with either gravity or vacuum with top removed. Body is clamped tightly on the fitter holder by bolts and wing nuts, Supplied complete but without filter pads. Pad Size Capacity. 6 cm 100 ml.</p>	02(Two)
MCB 20	Berkfild filter		02(Two)
MCB 21	Macintosh field jar		01(One)
MCB 22	Buchner's tube		04(Four)
MCB 23	Candle jar		02(Two)
MCB 24	Anaerobic apparatus	(B.T.L. TYPE) All metal construction (modified Macintosh and fields pattern) It consists of a metal jar with a top lid	04(Four) (2 Each)

		<p>complete made of stainless steel. Two valves are fitted to the lid of the jar connection to hydrogen and vacuum supplies. The jar is sealed by hand tightening the clamp which secures lid. The lid cushions on to a rubber 'O' ring.</p> <p>The catalyst is provided with the jar, fitted with compound gauge. OR McIntosh and Fildes Pattern. For the safe growth of anaerobes through COLD CATALYST. It consists of a glass jar approx. 23 cm.high x 13 cm dia., metal cover fitted with two needle valves for evacuating and filling and a sachet of holding the catalyst but without catalyst.</p> <p>The jar can be used both with cylinder as well as with Gas packs. Complete with petri dish holder with pressure gauge.</p>	
MCB 25	Refrigerated centrifuge	<p>HIGH SPEED REFRIGERATED RESEARCH CENTRIFUGE with control panel having Step-less Speed Controller, Digital speed meter, 0-99 min. Digital Timer cum indicator, Alarm at automatic switching off, dynamic brake, zero start interlock switch, imbalance safety device and push button switch cum indicator. The centrifuge chamber is made of Stainless Steel and having CFC Free Cooling System with digital temperature controller cum indicator with working chamber temperature range of -10 deg. C to +40 deg. C. Max. Speed 20,000 RPM. Max. RCF 34,500 x g. WITH 6 x 50 ml Angle Rotor Head with sterilisable epoxy coating & see through acrylic lid with 6 Nos. polypropylene tubes</p>	01(One)
MCB 26	Distilled water plant	Stainless still body, Capacity- 4/5 Liters per hour	02(Two)
MCB 27	Distilled water plant	All glass body, Capacity- 4/5 Liters per hour	01(One)
MCB 28	Staining trough		100
MCB 29	Colony Counter	<p>Body made of mild steel with attractive paint. Sloping at front cover with large magnifying lens. Built in large free illumination with black reflection free background. Complete with woulfheugel, counting plate. Special pen type probe allows marking & counting simultaneously. Counting is registered on a four digit resettable Electronic counter. With audio beep at every count. A fluorescent light provides uniform day light illumination</p>	1 (One)
MCB 30	U V Lamps		1 (One)
MCB 31	RT PCR		1 (One)
MCB 32	Automatic pipette controller	Battery operated with battery charger with stand with high & low speed, an fill 25ml in 4 seconds with safety valve	1 (One)

Name of Department : DEPARTMENT OF PATHOLOGY

ITEM Code	NAME OF INSTRUMENT	SPECIFICATION	QTY
PTH 01	COLORIMETER for Hemoglobin estimation	<ol style="list-style-type: none"> 1. Micro controller based 2. Menu prompted operation through LCD Display (20 Characters). 3. Battery Backup Memory provides Large data storage facility 4. 8-Filters on turret to cover 400-700nm 5. Measuring modes: Absorbance, Concentration, Chemistry (end point & 2-point) 6. Facilities to fit optional interface filter for specific application 7. Minimum sample volume 1ml and 500ul in microcuvette 	2
PTH 02	WATER BATH (SEROLOGY) DIGITAL	<ol style="list-style-type: none"> 1. Complete inner chamber made of HIGHLY POLISHED STAINLESS STEEL. Outer Chamber is made of Mild Steel Sheet, finished with powder-coated paint. Gap between the walls is filled with special grade glass wool for proper insulation to avoid heat losses. The Water Bath is provided with a drain plug to facilitate easy emptying and cleaning of the inner chamber whenever necessary. Test tube racks can be provided on requirement. Pyramidal shaped cover (Aluminum Lid) and perforated removable diffuser are standard accessories. 2. Temperature Control: – Temperature is controlled Digital display temp. Controller-cum-indicator with feather touch button with Built-in timer Control Panel The equipment is provided with a panel having a thermostat control knob, ON/OFF switch, two pilot lamps. Supplied with cord and plug. Power Requirement Suitable to operate on 220 v, single phase, 50 Hz AC supply. 3. Size of inner chamber: – (WHD) 250×125×125 mm with lid load 0.5 kw 	5
PTH 03	CENTRIFUGE MACHINE (ELECTRIC ROTOFIX)	<p>With digital display Max RPM :15,000 Automatic lid locking 16 tubes capacity</p>	4
PTH 04	CABINET FOR 1000 SLIDES (micro slide cabinet)	Thick CRC sheet material Each aluminum tray (335x230x35 mm size) should accommodate twenty 75x25 mm slides in flat position, tray is fitted with an index holder, slide holding rows numbered 1 to 50 to identify slides	2
PTH 05	Digital Tissue Flootation Bath	<ol style="list-style-type: none"> 1. Temperature is controlled Digital display temp. Controller-cum-indicator with feather touch button. 2. Temperature from ambient to 70°C with an accuracy of ±2°C. Supplied complete with pilot light, cord and plug. Suitable to work on 220 V, single phase, 50 Hz AC supply. 3. Chamber Size: – 240 × 150 × 50mm 	2
PTH 06	Distil water still	<ul style="list-style-type: none"> • Output: 4litres/hour • Conductivity (using raw water): 3.0-4.0 microseconds/cm • Conductivity (using treated water): 1.5-2.0 microseconds/cm • PH: 5.5-6.0 • Dimension : 50 cms 15 cmx45 cms • Weight: 5-8 kgs • Electrical: 229/240 V, 50/60 HZs, single phase • Power: 3 KW heater • Water supply: Min. Flow rate: 1 liter/min. • Minimum pressure : 3 psi (0.2x 105 NM²) • Distillate quality: pyrogen free. • CE certification is a must. 	1
PTH 07	Albuminometers-	Esbach's and Aufrech's type	2
PTH 08	Laboratory Counter nine keys clay adams-	Nine key Counter with totaliser	8
PTH 09	Laboratory	Cyclomixer with on off switch, regular & microswitch	2

	Stirrer		
PTH 10	Microprojection apparatus		2
PTH 11	2 x 2 slide Projector		3
PTH 12	FREEZING MICROTOME with CO2 Cylinder trolley stand	Instrument for frozen section with CO2 freezing attachment, feed range 1-40 microns in steps of 5 microns. Complete with one razor 100 mm, oil can, honing stone, raxine cover and box	1

Name of Department : DEPARTMENT OF PHARMACOLOGY

Sr. No.	Name of instrument	Specifications	Qty
PHR01	Long extension kymograph assembly	Superspeed Kymograph Assembly comp. the following	3
		a. Super Speed Kymograph.	
		b. Starling's Respiration Pump.	
		500cc. Capacity geared motor coupled.	
		c. All Main's A.C. Time Clock.	
	d. Kymograph paper-50 rolls	50	
PHR02	Operation table for large animals	Modern Experimental Operating Table with all steel frame. Stainless steel top 127x45 cm. in two halves sloping towards the central drain, warming chamber, castors, moving handles, with animal holder, stainless steel tray and two uprights.	3
PHR03	Assembly for mammalian classes	Assembly for Perfusion of Excised Mammalian Heart With Two Unit Bath.	4
PHR04	Automatic electric recording drums	Super Ten Electrical Kymograph with ten speeds (Automatic electrical recording drum)	4
PHR05	Kymograph Cylinder Paper for same	Kymograph Cylinder height 15 cm. x Dia 30 cm. Paper 300 rolls	4
PHR06	Gaddum's Outflow Recorder	Gaddum's Outflow Recorder to Work on 4V DC.	2
PHR07	Cannulae, glass	Arterial cannulae made from corning glass	5
PHR08	Cannulae, glass	Venous canullae made from corning glass	5
PHR09	Cannulae, glass	Symes Cannulae, Corning glass	5
PHR10	Cannulae, metal	Y Tracheal Cannula with 4 ,6,8,11 or 14 mm nozzle.	5
PHR11	Smoking stand	Smoking stand, with turning handle, for all 1 Nos sizes of cylinders	1
PHR12	Smoking burner	Smoking Burner Kerosene with 3"wick & wind up gear	1
PHR13	Two Unit Thermostatic Organ Bath	Two Unit Thermostatic Organ Bath.	1
PHR14	Miniature aerator	Miniature Aerator superior quality, imported	1
PHR15	Analgesiometer	Analgesiometer Radiant Heat Type	1
PHR16	Inchley's Drop Recorder	Inchley's Drop Recorder	1
PHR17	Animal Weighing machine for small animals	Animal Weighing machine for small animals	3
PHR18	Animal Weighing Machine for Big Animals	Animal Weighing Machine for Big Animals	3
PHR19	Cautery machine, electric Blendsone	Cautery machine, electric Blendsone	1
PHR20	Student Kymograph	Electrical E-8 Student Kymograph with built in heavy duty motor and 15x15 cms cylinder	90
PHR21	Standard X Block	Standard X Block machined from solid brass	90
PHR22	Open Sided X Block	Open Sided X Block.	90
PHR23	Hook Grip with stem to fit X block	Hook Grip with stem to fit X block	90
PHR24	Plain stands	Plain Stand 45 cms height with SS upright on heavy base.	90
PHR25	Student Organ Bath	Student Organ Bath (Apparatus for isolated rabbit intestine) Thermostatic controlled, Perspex bath, resting on sturdy frame, organ and oxygen tubes, and frontal lever from S.S. capillary tubing and heater. Heater controlled through a 15 cms. long thermostat.	100
PHR26	Aerator for Students Organ Bath	Aerator for Students Organ Bath	100

PHR27	Jackson's Enterograph	Jackson's Enterograph	3
PHR28	Vonfrey's Hair Aesthesiometer	Vonfrey's Hair Aesthesiometer	2
PHR29	Long Paper Extension Twin bed with 15cms high cylinder	Long Paper Extension Twin bed , 15cms high cylinder	1
PHR30	Distilled water still, Manesty type	Distilled water still, Manesty type with 4KW heater, Stainless Steel construction, Electrically operated, with 4 liter capacity output	3
PHR31	Copper trays	Copper trays 10x8"x1"	150
PHR32	Dissection Instru. set	Dissection Instruments set students type	10
PHR33	Chemical balance	Chemical balance cap. 200Gm 1/10th mg. Sensitivity	2
PHR34	Pneumograph	Pneumograph or Stethograph	1
PHR35	Digital Plethysmometer	Digital Plethysmometer to record the volume displacement of a rat paw with software but without computer	1
PHR36	Piston/Volume Recorder	Piston/Volume Recorder with 18mm dia. 4 cc acrylic tube	1
PHR37	Marey's Tambour	Marey's Tambour with S.S capillary lever with 22 mm dia	4
PHR38	Non Polarizable Electrode with Zinc Electrode	Non Polarizable Electrode with Zinc Electrode with fixing block and glass tubes.	10
PHR39	Electrical Time Marker	Electrical Time Marker 100 sec. To work on 4Volts DC	2
PHR40	Electrical Time Marker or Signal Marker Double Magnet	Electrical Time Marker or Signal Marker Double Magnet	2
PHR41	Water Bath single walled thick copper/s.s	Water Bath single walled thick copper/s.s.Walled heater with concentric rings with 3 pin plug and chord with 6 holes of 7-1/2 cms. dia	10
PHR42	Tetanus Set with X block and two plain stands	Tetanus Set with X block and two plain stands	1
PHR43	Operating lamps-	Operating lamps-	4
PHR44	Animal trolley with 12 cages	Animal trolley with 12 cages	2
PHR45	Dispensing balance	Dispensing balance	50
PHR46	Pill Tiles/Ointment slab graduated	Pill Tiles/Ointment slab graduated	50
PHR47	Suppository moulds	Suppository moulds 4 hole x 1 Or 1.5 or 2gm	50
PHR48	Porcelain dishes 2"	Porcelain dishes 2"	15
PHR49	Crucible with tongs	Crucible with tongs	15
PHR50	Pestle & mortar	Pestle & mortar (Porcelain or glass)	50
PHR51	Stainless steel spatula	Stainless steel spatula	50
PHR52	Water bath metal 12 holes	Water bath metal 12 holes	15
PHR53	Stimulator General Purpose	Stimulator General Purpose	1
PHR54	Skin and rectal thermometer	Skin and rectal thermometer	1
PHR55	Balance Semi micro Analytical Pan Mettler	Balance Semi micro Analytical Pan Mettler	1
PHR56	Spectrophotometer Model Du-Backman(UV Visible range)	Spectrophotometer Model Du-Backman	1
PHR57	Histamine Chamber	Histamine Chamber with nebuliser & electric air pump	1
PHR58	Specimen jars	Specimen jars Acrylic 220x150x100 mm	10
PHR59	Specimen jars	Specimen jars Acrylic 200x125x125 mm	10
PHR60	Specimen jars	Specimen jars Acrylic 220x195x80 mm	10
PHR61	Specimen jars	Specimen jars Acrylic 250x165x140 mm	10
PHR62	Specimen jars	Specimen jars Acrylic 250x250x250 mm	10
PHR63	Specimen jars	Specimen jars Acrylic 360x150x100 mm	10
PHR64	Balance chemical capacity 200g	Balance chemical capacity 200g with wt.set of 100 g cap.	2
PHR65	Instruments Sterilliser	Instruments Sterilliser Electric size 12" x 8"x6"	1

PHR66	Blood pressure apparatus	Digital, with printout capability	6
PHR67	Stethoscopes	Littman	12
PHR68	Multimeter	Multimeter	1
PHR69	Water bath	Temperature controlled water bath 37 0 C	1
PHR70	Razor hone	Razor hone	1
PHR71	Electric hot plate	Electric hot plate	1
PHR72	Digital Physiographs (For Animal Experiments with paper rolls	Digital Physiographs (For Animal Experiments): Data acquisition system with Muscle activity force transducer and Blood preassure transducer. And to convert data from the student physiograph to a computer , with Human ECG, HRV analysis & Histogram with Online at 254 samples/sec and offline upto 1024 samples/sec.with software. Paper for same 150 nos.	60
PHR73	Actophotometer	Actophotometer with 4 digit counter	1
PHR74	Rotarod with three compartments	Roto Rod Three Compartments	1
PHR75	Cook's Pole Climbing Apparatus	Cook's Pole Climbing Apparatus	1
PHR76	Metabolic Cages	Metabolic Cages (Diuretic Study)	3
PHR77	Laboratory PH meter	Laboratory PH meter; with manual temperature compensation and combination PH electrode 3-1/2 digit LED display	1
PHR78	Tablet Disintegration Machine	Tablet Disintegration Machine	1
PHR79	Glass tubing	length of 6 feet	150
PHR80	Glass rods	length of 6 feet	150
PHR81	Glass mortar & pestles	capacity of 500 cc	36
PHR82	Glass mortar & pestles	capacity of 200 cc	36
PHR83	Holder for platinum wireloop	Holder for platinum wireloop	160
PHR84	Lancet spring (disposable)	Lancet spring (disposable)	160
PHR85	Magnifying glass with metal handle	Magnifying glass with metal handle	80
PHR86	Postmortem instruments sets complete	Postmortem instruments sets complete	2
PHR87	Suction pumps	Suction pumps	1
PHR88	Filtering apparatus sietz filter and Millipore filter 1each Dissicators	Filtering apparatus sietz filter and Millipore filter 1each dissicators	2
PHR89	Apron plastic for postmortem	Apron plastic for postmortem	2
PHR90	Apron rubber for postmortemt	Apron rubber for postmortemt	2

DEPARTMENT OF PHYSIOLOGY

Sr	Name of Instrument	Specification	Qty
PHY 1	LARGE EXTENSION KYMOGRAPHS- BRODIE-STARLING	-Kymograph with built in Time Clock etc. _ Variable Rate and Variable Stroke Respiration Pump 500 c.c. with sturdy motor & four speed gear box. _ Latest stainless steel exptl. Operation Table with rack & pinion lift fine vertical adjustment and adjustment in the horizontal plane with animal holder. -20 cm. vertical lift adjustment with rack & pinion system. with RESEARCH KYMOGRAPH _ Built In close mesh 10 speed gear box. Gear ratios 1:2. No backlash. Instantaneous start at all speeds. _ Wide speed variation - from 1 rev. in 3 mins. to 1 rev. in 36 hours in 30 steps._ 10 speed ranges from gear box into 3 fine adjustment speeds from each range from a fine speed control._ Permissible paper length 8 meter. _ 20 cm. Vertical lift adjustment with rack & pinion system._ Easy speed setting through two dial knobs. _ Automatic paper tensioning device and flat writing surface attachment. _ Built in electronic time clock permitting time marks at 1,5,10,15,30 & 60 sec. Intervals. _ Built in stimulus & event marker._ 3 jointed arm uprights; with fine tangential adjustment. _ Auxiliary cylinder with fine 'tilt' adjustment to permit equalization all along the paper width. _ Neutralising clutch provided for Instantaneous Start or Stop._ Adjustment in horizontal plane. _ With centralised electrical points for Respiration Pump & Operation Table._ With Manometer and Time & Event Marker._ Mounted on heavy cast metal platform with castors.	1
PHY 2	RESPIRATION PUMP:	VARIABLE RATE, Variable stroke (V.R.V.S.) Respiration Pump ; coupled to motor through a four speed gear box . (speed ratios of 2:3:4:6. Speed change can be effected during the course of experiment by just manipulating the gear change knob. Mounted on metal platform with castors.Capacity 500 c.c.	1
PHY 3	GEARED MOTOR	Geared Electric Motor, ¼ H.P. Motor (Crompton) worm & gear, giving reduction of 50 to 1 (or 25 to 1, if specified), gear & worm, running in oil bath, ball bearing movement. On machined metal base.	1
PHY 4	ELECTRONIC TIME Marker	Electronic Time Clock, permitting time marks at intervals of 1, 5, 10, 15, 30, & 60. Sec at rectified low voltage to run time & event marker	2
PHY 5	Vibrating Reed	Vibrating Reed, Vulcanite base, adjustable contact intervals of 5, 7,10, 15, 20 or 30 per sec.	42
PHY 6	Manometer for mammalian Blood Pressure Measurement	It is Research mammalian MANOMETER, with stop cock & 9 mm. diameter Stem to be supplied with mercury in manometer	1
PHY 7	Large STAND - LARGE ADJUSTABLE SCREW STAND [for mammalian lab.]	A heavy lathe slide carriers a dovetailed machined platform with 32 cm. Vertical fine movement. Vertical fine movement can be read to 1 mm. The platform carries a standard 9 mm upright provided with fine tangential adjustment with one L & one straight 9 mm dia. Rods.	1
PHY 8	LISTER'S PERIMETER WITH CHARTS [with 1000 charts]	For assessment of field of vision, the instrument consist of a moving arc and free moving in 360 degree on central fix round base with 360 degree calibration on which the field of vision chart can be fixed. There should be a chin rest and marking of degree on arc is readable in day light.	5
PHY 9	EDRIDGE GREEN LANTERN	Must have assessment of three basic colours with in built ability to mix the colours. Size of the aperture can vary to 1 mm to 1 cm range with in built devise to create artificial atmospheres i.e. rain, fog, darkness, and various distances.	1
PHY 10	GRIP	With parallel grips & indicator for registering maximum excursion of	1

	DYNAMOMETER	the pointer. Calibrated pressure scale.	
PHY 11	<i>Finger Dynamometer</i> RECORDING DYNAMOMETER	Consists of a spring balance mounted between two uprights on a base board. The balance carries a finger stirrup at its lower end & its upper end a cord passing over two guide pulleys to the recording stylus, adjustable elbow stop is provided	1
PHY 12	Anaesthesia box	It is wood cage made of wooden bars with adequate at least 2.5 cm distance to give IV anaesthesia or other similar maneuver. It should be large enough to hold a Indian dog. i.e. 3'x3'x3'[feet].	5
PHY 13	Anaesthetic Bottle [Brodie] with warmer	It is glass bottle with vacuum with opening having facility to connect two cannula. The bottle must have in built electrical heater to make the environment warm.	2
PHY 14	Tracheal Cannula Y' shaped	It is metallic y- shaped for Dog or similar big mammal tracheal cannula with size of 4, 6, 8, 11 or 14 mm. Nozzle to insert into trachea of Dog or similar big mammal.	5 sets
PHY 15	Kymograph Paper For mammalian laboratory	It is Sheets of Glazed paper Roll, Size 40 meters x 30 cm. wide each paper.	10 Rolls

DEPARTMENT OF FORENSIC MEDICINE

Tender no .	Name of Instrument	Specification	Qty.
FM01	Weighing machine, dial type human	Standard dial type for human	2
FM02	Equipment for reporting height.	Standard	2
FM03	Balance chemical		1
FM04	Balance, single pair for weighting foetus	Standard	1
FM05	Weighting machine for organs	Complete SS platform for easy cleaning and anti-staining. Platform size 350 mm x 350 mm approx. To weight a maximum of 15 kg. Accuracy 2 gms. SS 304 grade construction. Rechargeable Battery back-up pack provided for usage in power failure. TARE function provided. Imported load cells for enduring performance. Digital Display	2
FM06	Folding metal scale to measure up to 7 ft.	Standard	1
FM07	Steel tape roll	Standard	2
FM08	Warnier callipers	Standard	1
FM09	Styker autopsy saw with accessories	Standard	3
FM010	Hacksaw	Standard	4
FM011	Dissection sets consisting of cartilage knife, bone cutting forceps scissors, knives with spare blades, straight and curved enterotome scalpel, probe metal scale graduated in cms. Etc.	Amputating and resection saw charriere 35 cm,14” SS. Operating knife solid handle,17cm/2”,SS. Operating knife solid handle,17cm/1”,SS.Collin amputating knife solid handle blade 19 cm,SS. Esmarch bandage Scissors,20 cm heavy duty,SS.Standard operating Scissors 14 cm,BL/SH.SS. Dressing forceps 20 cm STR serrated SS. Dressing forceps 18 cm Cross serrated, SS. Probe Grooved directors 14 cm, SS. Partsch mallets 18 cm, 22 mm dia, SS.Probe 14 cm. Lucas Chisel 16 cm, 4 mm. Spare blades for saw. Wooden case.	4
FM012	Ribs shear, right and left	Standard	4
FM013	Viscerotome with attachment for illumination (Battery Operated)	Standard	1
FM014	SLR Camera with accessories	Standard with latest versions	1
FM015	X-Ray View box two in one	Standard	4
FM016	Automatic tissue processing machine	Standard	1
FM017	L.Modes	Standard	16
FM018	Leather Strops	Standard	2
FM019	Slide warming table	Standard	1
FM020	Stone Carbarandon	Standard	2
FM021	Water bath(Tissue Flowing)	Standard	1
FM022	Block holders	Standard	50
FM023	Electric Auto slide projector	Standard	1
FM024	Hand set heat sealer	Standard	1
FM025	Spectroscope lens with adjustable slit	Standard	2
FM026	Instrument cabinet, Instrument trolley, filing cabinet with folders, filing cabinet for almirahs etc.	Standard	As required

Department of Anatomy (Models)

Item No.	Name of Item	Qty
ANT01	Uterus in section showing Sperm & Ovum in process of Fertilization	1
ANT02	Various Stages of Mitosis	1
ANT03	1 st & 2 nd Meiotic Divisions	1
ANT04	Spermatogenesis in human	1
ANT05	Development of the zygote from the two-cell stage to the late morula stage	1
ANT06	Section of a 107 = cell human blastocyst	1
ANT07	Events taking place during the 1 st week of human development	1
ANT08	13-Day human blastocyst	1
ANT09	A schematic view of the dorsal side of the germ disc from a 16 day embryo	1
ANT10	Formation of notochord	1
ANT11	Longitudinal section through a villus at the end of the 3 rd week of development	1
ANT12	Dorsal view of human embryo of 22-days seven distinct somites are visible on each side of neural tube	1
ANT13	Transverse section showing development of the mesodermal germ layer day 17, day 19, day 20, day 21	1
ANT14	Successive stages in development of a somite ... 4 stages	1
ANT15	Sagittal midline sections of embryos at various stages of development to demonstrate cephalocaudal folding and its effect on position of the endoderm-lined cavity	1
ANT16	Transverse section through embryos at various stages of development to show the effect of lateral folding on the endoderm-lined cavity	1
ANT17	Human embryo at the beginning of the 2 nd month of development	1
ANT18	Structure of villi at various stages of development	1
ANT19	The relation of fetal membranes and wall of the uterus	1
ANT20	Transverse section through embryo at various stages of development	1
ANT21	Development of the diaphragm 5 th week	1
ANT22	Formation of Cardiac loop	1
ANT23	Final stages in development of the sinus venosus and great veins	1
ANT24	Atrial septa at various stages of development	1
ANT25	Formation of the atrioventricular valves and chordae tendineae.	1
ANT26	Aortic arches at the end of the 4 th week and 6 th week	1
ANT27	Development of viteline and umbilical veins in the 2 nd and 3 rd months	1
ANT28	Development of inferior vena cava, azygos vein and superior vena cava	1
ANT29	Human Circulation before birth	1
ANT30	Human circulation after birth	1

Note: All Models should be made of fibre glass, unbreakable, washable, repaintable. ISO 9000:2001 Certified and ISI certified products should be preferred

NHL Medical College – Department of Orthopedics

Item Code	Name of Item	Specification	Qty.																												
CS01	<p>Ceiling mounted double dome cold light of latest Gas discharge bulb with provisional integrated Camera.</p>	<p>surgical light combines gas discharging- and halogen technology in a redundant light concept. Two completely separated optical systems with one illuminant, one filter-lens unit and one reflector per system are unified within one single light head. The combination light allows for shadow-controlled illumination and simultaneous optimum depth illumination – focusing is not necessary anymore</p> <p>Light intensity and depth illumination are controlled by the user directly via the sterile handle. Non-sterile control is available via control panel on the cardan joint or wall control (optional).</p> <p>Revolving outer handles at the light head allows for non-sterile positioning. Smooth, convex surfaces without slots, gaps or exposed screwing makes maintenance of the system easy and effectively. The light head is resistant to disinfectant. The shape of the light head has a streamlined shape favourable within laminar flow.</p> <p>Sterile positioning via an ergonomic, exchangeable and centrally positioned sterile handle within the light head.</p> <p>Disinfectant resistant, impact-proof light emitting surface. Use of materials with best properties for heat conduction.</p> <p>Illumination intensity switches on according to eye-physiological requirements is automatically adjusted at ca. 75% of maximum illumination intensity.</p> <p>OR light with light head fixed to a ceiling substructure fixation, central axis with horizontal swivel arms in various length and height adjustable spring load arms. All main joints with unlimited rotation (>360°). Light head and suspension dustproof sealed.</p> <p>The light system can be combined with a video system. The integration of the OR light into an integrated OR system is possible via RS232 interface.</p> <p>The type / model is valid according to the following approvals and tests according to IEC 60601-1, IEC 60601-2-41:2000, EN 60601-2-41:2000, IEC 60364-7-710 as well as EC Directive 93/42/EEC.</p> <p>Complete with all components for ceiling mount and electrical feed-in, incl. finalised installation.</p> <table data-bbox="518 1534 1292 2020"> <thead> <tr> <th data-bbox="518 1534 718 1563">Technical data:</th> <th data-bbox="1173 1534 1292 1563"><u>Required</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="518 1563 933 1594">Central illumination in 1 m distance</td> <td data-bbox="1157 1563 1292 1594">160.000 lux</td> </tr> <tr> <td data-bbox="518 1594 981 1626">Light field diameter d₁₀ at 1 m distance</td> <td data-bbox="1189 1594 1292 1626">230 mm</td> </tr> <tr> <td data-bbox="518 1626 1053 1657">Constant light field without necessity to focus</td> <td data-bbox="1189 1626 1292 1657"></td> </tr> <tr> <td data-bbox="518 1657 734 1688">Color temperature</td> <td data-bbox="1189 1657 1292 1688">4.200 K</td> </tr> <tr> <td data-bbox="518 1688 813 1720">Color rendering-index R_a</td> <td data-bbox="1252 1688 1292 1720">95</td> </tr> <tr> <td data-bbox="518 1720 989 1751">Central illumination at 1m distance with:</td> <td data-bbox="1189 1720 1292 1751"></td> </tr> <tr> <td data-bbox="742 1751 813 1783"> Tube:</td> <td data-bbox="1220 1751 1292 1783">100%</td> </tr> <tr> <td data-bbox="742 1783 861 1814"> One Mask:</td> <td data-bbox="1220 1783 1292 1814">70%</td> </tr> <tr> <td data-bbox="742 1814 981 1845"> Tube and one mask:</td> <td data-bbox="1220 1814 1292 1845">70%</td> </tr> <tr> <td data-bbox="742 1845 885 1877"> Two Masks:</td> <td data-bbox="1220 1845 1292 1877">46%</td> </tr> <tr> <td data-bbox="742 1877 997 1908"> Tube and two masks:</td> <td data-bbox="1220 1877 1292 1908">46%</td> </tr> <tr> <td data-bbox="518 1908 845 1939">Depth of illumination L1+L2</td> <td data-bbox="1181 1908 1292 1939">1300 mm</td> </tr> <tr> <td data-bbox="518 1939 1053 1971">Sterile control of illumination intensity via sterile</td> <td data-bbox="1189 1939 1292 1971"></td> </tr> </tbody> </table>	Technical data:	<u>Required</u>	Central illumination in 1 m distance	160.000 lux	Light field diameter d ₁₀ at 1 m distance	230 mm	Constant light field without necessity to focus		Color temperature	4.200 K	Color rendering-index R _a	95	Central illumination at 1m distance with:		Tube:	100%	One Mask:	70%	Tube and one mask:	70%	Two Masks:	46%	Tube and two masks:	46%	Depth of illumination L1+L2	1300 mm	Sterile control of illumination intensity via sterile		ONE
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	<p>handle</p> <p>Sterile Control of depth of illumination via sterile handle</p> <p>Illumination intensity adjustable</p>	<p>50% - 100%</p> <p>80.000 lx – 160.000 lx</p>
	<p>Control of illumination intensity and depth of illumination via wall control panel</p> <p>Control of illumination intensity and depth of illumination via control panel on cardan joint</p> <p>Non-sterile Control integrated in central OR tableau (optional)</p> <p>Wall control panel included within delivery</p> <p>Integration into integrated OR-systems via RS 232 interface possible</p> <p>Redundant light concept with two separate optical systems in a single light head</p> <p>Redundant light concept with automatic switch to a second illuminant</p> <p>Illumination intensity with switch on pre-adjusted at % of max. light intensity</p> <p>Illumination intensity after black-out of one illuminant</p>	<p>ca. 65%</p> <p>80.000 lux bis zu 100.000 lux</p>
	<p>Homogen Color temperature with every illumination intensity</p> <p>Homogen Color temperature in case of failure of gas-discharging lamp</p> <p>LED-display on cardan-joint and wall control panel indicates necessity for illuminant change</p> <p>Two multifaceted parabol reflectors</p> <p>Cardan joints with light suspension without stops</p> <p>Cascaded swivel radius of ceiling mounted system (1. / 2. / 3. / 4. arm; please discard non appropriate)</p> <p>Rotation Radius</p> <p>light head in complete form</p> <p>smooth surfaces without slots, gaps or exposed fastener heads</p> <p>Material lighthouse hood</p> <p>Light emitting surface out of scratch- and impact resistant plastics</p> <p>Light emitting surface resistant to approved disinfectants</p> <p>Light head diameter without outer handles</p> <p>Light head diameter with outer handles</p> <p>Weight light head</p> <p>Input supply voltage at ceiling flange</p> <p>Power consumption gas-discharging lamp / halogen lamp</p> <p>Power consumption total (at 24 V)</p> <p>Type of lamp</p>	<p>4200 K</p> <p>4200 K</p> <p>1610 / 1.760 / 1.910 / 2.060 mm</p> <p>>360°</p> <p>Aluminium</p> <p>700 mm</p> <p>750mm</p> <p>20kg</p> <p>230 / 120 / 100 / 24 V</p> <p>max. 125 W</p> <p>265 VA</p> <p>Gas- discharge Halogen</p>
	<p>Lifetime of gas-discharging lamp</p> <p>Lifetime of halogen lamp</p> <p>One Spring loaded arm for Monitor.</p> <p>Power supply consistent of:</p> <p>-Transformer to transform power supplied by</p>	<p>5.000 h</p> <p>1.000 h</p>

		<p>customer (hospital) to voltage for surgical light head</p> <ul style="list-style-type: none">- Connection and Switch unit for emergency power supplied by customer within one component fully wired, optionally mounted onto ceiling suspension of light heads, within separate switch box or within sub-distribution supplied by customer- LED-status-display for emergency power <p>Camera should be mounted on dome and on central axis only. No need for an additional arm to mount a camera.</p> <ul style="list-style-type: none">a. 1/4" CCD Camera Module.b. Functions of camera: 40 fold zoom, Focus / One touch auto focus, IRIS, Freeze.c. IR Remote control.d. TFT flat screen Monitor 42": 2 nos. and 21": 1 no.e. Xenon bulbf. set of Halogen bulb (6 pcs.)	
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Department of Psychiatry

Tender no	Name of instrument	Specifications	Qty
PSY01	DIGITAL SPIROMETER	<ul style="list-style-type: none"> • Digital spirometer with automatic interpretation. • Easily sterilizable pneumotach • Simple and trouble free technology • Accurate and precise • Windows® based user friendly software • Real Time display of flow-volume loops • Incentive screen for better efforts • User's configurable 2 nos prediction table. • Pediatric encouragement software. • Automatic BTPS correction • Multiple report formats with colour printout. • Unlimited test result storage and retrieval • Report can be sent via e-mail • Flow measurement: bi-direction digital turbine • Volume measurement: flow integration • Flow range: 0.03 – 20 l/s • Volume range: 0-12 ltrs (BTPS) • Flow accuracy: $\pm 2\%$ • Volume accuracy: $\pm 2\%$ • Graph scale: meets ATs standard for graph • Power source 5v from computer through USB • USB Interface • Patients incentive screen • Printer: PC Compatible • Storage: on hard disk drive • Interpretation: Automatic weight : 100 gms • Temperature: 0-50 Degree • Dimension: 165x50x25 mm <p>Parameters Measured</p> <ul style="list-style-type: none"> • FVC, FEV₁ - FEV₁ • FEV₃ – FEV₁/FVC • FEV₃/FVC – FEV₂₅₋₇₅, PEF, FEF₂₅, FEF₅₀, FEF₇₅*SVC • ERV – IRV, TV, RR, PEFT, FMFT, FIV-1,/FIVC, PIF, MVV 	2

Department of Physiotherapy

Tender no	Name of instrument	Specifications	Qty
PHY01	Body Composition Analysis Machine	<p>Portable Units Rechargeable batteries Optimum Data Storage Capacity Automatic Usage Office Printer with user information printing Segmental analysis of muscle mass, percentage Segmental analysis of body fat, Percentage body fat FFM, Visceral Fat BMI- Body Mass Index Total Body Water, Total Body Water % WHR- Basal Metabolic Rate BME- basal Metabolic Rate Frequency -1 To 1000 Khz Display Unit – Better LCD Display</p>	1