




OFFICE OF THE DEAN & PRINCIPAL,
MAHARAJA KRISHNA CHANDRA GAJAPATI MEDICAL COLLEGE,
BRAHMAPUR.760 004, GANJAM, ORISSA.

No. 352 /MCB-2021/Welfare./Dated, Berhampur the 13th January, 2021

TENDER CALL NOTICE

Sealed Tenders are invited from the Registered firms for "Supply of Equipment/Instrument" for different Departments of MKCG Medical College, Berhampur in two bid system (Technical & Financial) so as to reach the office of the undersigned within Twenty One days from the date of publication of the advertisement till 5 P.M. The detailed Tender paper, Terms & Conditions, list of Equipment/Instrument, specifications can be obtained from the office of the undersigned on payment of Rs.5000/- cash (non-refundable) at the Accounts Section. The details are also available in the website mkcgmch.org. Those who will download the tender documents from Website should enclose a DD for Rs.5000/- towards cost of Tender paper in favour of Dean & Principal, MKCG Medical College, Berhampur payable at the S.B.I, MCC Branch, Berhampur.

The undersigned reserves the right to cancel of the Tender in full or parts at any time without assigning any reason thereof.


Dean & Principal,
MKCG Medical College,
Berhampur

**OFFICE OF THE DEAN & PRINCIPAL
M.K.C.G. MEDICAL COLLEGE, BERHAMPUR (GM.)**

Tel / Fax : 0680-2292746 / e-mail : mkgmc.bam@gmail.com



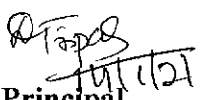
**TENDER DOCUMENT FOR SUPPLY &
INSTALLATION OF *MEDICAL EQUIPMENTS***

SECTION -I

NOTICE INVITING TENDER

TENDERS ARE INVITED FROM ELIGIBLE BIDDERS AS PER THE ELIGIBILITY CRITERIA FOR MEDICAL EQUIPMENTS FOR MKCG MEDICAL COLLEGE, BERHAMPUR

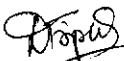
1	Period of Availability of Tender Document	From 14-01-2021 to 03-02-2021 [Downloadable from website: www.mkcgmch.org In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same from the above mentioned website before last date of submission of tender document and the tender inviting authority shall have no responsibility for any delay / omission on part of the bidder.
2	Last date & time for submission of Tender	Date: 03-02-2021, Time: up to 5.00 pm Address of Submission of Bid: The Dean & Principal, MKCG Medical College and Hospital Berhampur, Odisha, India (Through Speed post / Registered post/ Courier Services only
3	Date, time and place of opening of Tender	a) Technical Bid (Cover A) opening: 03-02-2021, 5.00 P.M (time) at the address mentioned above. (Postponed incase of unavoidable Circumstances) b) Financial Bid (Cover B): <i>The date of opening of financial bid will be intimated to the firms found successful in the technical bid evaluation.</i> <i>(The Venue is mentioned above)</i> (Bidders / authorized representative may remain present at the time of opening of bid)


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SECTION -II

IMPORTANT INSTRUCTIONS TO BE NOTED CAREFULLY BY THE TENDERERS

1.	Mode of Procurement	Through National Competitive Bidding Process. The O/o of Dean & Principal, MKCG Medical College & Hospital, Berhampur shall invite tender & evaluate the same by the technical expert. After finalization/approval of the supplier & the rate, the purchase order shall be placed by the Dean & Principal, MKCG Medical College Hospital
2.	Purchaser	Dean & Principal MKCG Medical College Berhampur, Odisha
3.	Consignee	Department of Pathology, Community Medicine, Pharmacology, Physiology, Biochemistry, FMT, Endocrinology, Psychiatry
4.	Delivery Period	Within 30 days from issue of the purchase order.
5.	Mode of Delivery	By Air / Road / Rail
6.	Guarantee / Warranty /CMC	Comprehensive warranty including all spares, maintenance etc. for a period 5 (five) <i>years</i> from the date of installation & commissioning and 5(<i>five</i>) <i>years</i> CMC after warranty period.
7.	Tender Document Cost	Rs.5000/- . The tender document cost is to be submitted in the shape of bank draft in favour of Dean & Principal, MKCG MEDICAL COLLEGE, BERHAMPUR from any Nationalized/Scheduled Bank payable at Berhampur or deposit of Rs.5000/- in Accounts Section of this college on all working days between the scheduled period.
8.	Earnest Money Deposit (EMD) (The no. of equipment is mentioned in the Schedule of requirement – Section IV)	<i>Note: The bidder may quote for any or all the equipment by submitting the required EMD 2% of the quoted value for that equipment.</i> The Earnest Money Deposit will be paid in the shape of Demand Draft only in favour of DEAN & PRINCIPAL MKCG MEDICAL COLLEGE, BERHAMPUR from any Nationalized/Scheduled Bank and payable at Berhampur
9.	Performance Security	The selected firm should submit the performance security in shape of Bank Draft /Bank Guarantee, equal to the amount of 5 % of the purchase order value (excluding the tax & CMC cost) of the items within 21 days of issue of the purchase order & the same will be returned back after completion of warranty period. The performance security shall be furnished at the O/o the Dean & Principal after getting the purchase order from the Dean.


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10.	Pre-qualification (Eligibility Criteria)	<p>A. Manufacturing units / Importers are eligible to participate in the tender provided, they have</p> <ul style="list-style-type: none"> (i) Import License (In case of Importer only) (ii) Valid ISO certificate. (iii) Product must be ISI /CE / US FDA/IEC etc certified if specified in Technical Specification (Section IV) (iv) Tenderer (Manufacturer/Importer) should have proof of supply of equipment(s) mentioned in the schedule of requirement (executed directly by manufacturer or through distributor) of the equipment(s) /similar equipments mentioned in the schedule of requirement to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies and purchase order copies in support of that in last 3years as per format at Annexure VII (Item wise) (v) Proof of annual average turnover of in the last three (3) financial years certified by the Chartered Accountant as per the format at Annexure VI supported by audited balance sheet/Annual Report. <p>B. Authorized distributors on behalf of the manufacturer are eligible to participate in the tender provided:</p> <ul style="list-style-type: none"> (i) They should have proof of annual average turnover of the last three (3) financial years certified by the Chartered Accountant as per the format at Annexure VI supported by audited balance sheet/Annual Report. (ii) They should submit manufacturer's authorization to transact business on behalf of the manufacturer as per the format at Annexure - V. (iii) Proof of supply of the equipments in the schedule of requirement to any Govt. organization /Corporate Hospitals / PSU Hospitals / UN Agencies and purchase order copies in support of that in last 3years as per format at Annexure VII (Item wise) (iv) The authorized distributor will submit the following documents in support of the manufacturer along with the tender : (v) Valid ISO certificate Valid ISI / BIS European / CE / US FDA / IEC certificates of the manufacturer is specified in technical specification (Section V) <p>C. The Manufacturer or the tenderer if blacklisted either by the Tender inviting authority or by any state Govt. or Central Govt. organization for the quoted item is not eligible to participate in the tender during the period of blacklisting.</p>
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SECTION -III

TERMS AND CONDITIONS FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENTS FOR DIFFERENT DEPARTMENT

- 1.1 Sealed tenders will be received till 03-02-2021 upto 5.00 pm by the office of the Dean & Principal, MKCG Medical College Berhampur. Any tender received after the due date & time will be rejected / returned to the sender unopened. **The tenders will be received through Regd. Post // Speed Post / Courier Services only.** The prospective bidders may attend and clarify any doubts on the terms and conditions of the bid document.
- 1.2 The bidder(s) are to submit their tenders in **separate** sealed covered envelopes for **technical bid** and **commercial bid** by super scribing **Cover "A" (Technical Bid) & Cover "B" (Price Bid)** and both the sealed covers should be put into a **third outer Cover**, which should be super scribed as **"Tender for Supply & Installation of Medical Instruments & Equipments for MKCG Medical College.**
- 1.3 The Sealed tenders "Cover A" (Technical Bid) submitted by the tenderers will be opened at the office of the Dean & Principal,, MKCG Medical College, Berhampur on 03-02-2021 at 5.00 P.M.

The tenderer or their duly authorized representatives are allowed to be present during the opening of the tenders if they so like.

ELIGIBILITY CRITERIA

- 2.1 **Manufacturing units / Importers** are eligible to participate in the tender provided, they fulfill the following conditions:
- (i) Import License (In case of Importer only). In case of importers, they have to furnish the authorization from the manufacturer.
 - (ii) Valid ISO certificate (of the Manufacturer)
 - (iii) Product must be ISI/BIS European/CE / US FDA etc. (valid ISI/BIS /CE /US FDA certificate) certified (As per **Section VI - technical specification**).
 - (iv) Tenderer (Manufacturer/Importer) should have proof of supply of equipments mentioned in the schedule of requirement (executed directly by manufacturer or through distributor) of the equipment(s) /similar equipments mentioned in the schedule of requirement to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies and purchase order copies in support of that in last 3years as per format at Annexure VII (Item wise)
 - (v) Proof of annual average turnover (Manufacturers/Importer) of in the last three (3) financial years certified by the Chartered Accountant as per the format at **Annexure VI.**

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- (vi) Proof of compliance with IEC Certificate (As per **Section VI** - technical specification) - Medical Electrical Equipments: Particular requirement for Electrical Safety of the equipments.
- (vii) Manufacturing unit who has been blacklisted either by the Tender inviting authority or by any state Govt. or Central Govt. organization is not eligible to participate in the tender for that item during the period of blacklisting. Copies of stay order(s) if any against the blacklisting and undertaking to the effect that, the unit has not blacklisted by any authority should be furnished along with the bid.

2.2 **Authorized distributors** are eligible to participate in the tender provided:

- (i) They should submit manufacturer's authorization from original equipment manufacturer (OEM) as per the format at **Annexure - V**.
- (ii) They should have proof of annual average turnover of in the last three (3) financial years certified by the Chartered Accountant as per the format at **Annexure VI**.
- (iii) Proof of supply of **the required equipment** (executed directly by manufacturer or through distributor) of the equipment(s) /similar equipments mentioned in the schedule of requirement to any Govt. organization /Corporate Hospitals / PSU Hospitals / UN Agencies inside the State/Country and purchase order copies in support of that in last 3 years as per format at Annexure VII (Item wise).
- (iv) The authorized distributor will submit the following documents in support of the manufacturer along with the tender:
 - a) Valid ISO certificate / ISI / BIS
 - b) European CE / US FDA / IEC certificates of the manufacturer as per technical specification.

2.3 The tenderer have to submit the EMD(s) as mentioned in **Clause 8 of Section -II** & the Tender document cost.

2.4 Tenderer will submit the following documents along with the technical bid-
1. IT Return of last 3 financial years.
2. Pan card.
3. GST Certificate.

DOCUMENTS TO BE SUBMITTED

The following documents should be enclosed in Cover "A" (Technical Bid) by the tenderer failing which the bid will liable to be rejected.

All the photocopies are to be attested / self attested.

TECHNICAL BID :

- 3.1 Checklist with detail of the documents enclosed in Cover "A" (as per Annexure - I) with page number. The documents should be *serially arranged* as per this Annexure - I and should be securely tied and bound.
- 3.2 List of Item (s) Quoted with name of the Make & Model of the item (s) (Annexure – II)
- 3.3 Tender document fee of Rs.5000/- in shape of Demand Draft .
- 3.4 Earnest Money Deposit(s) as mentioned in the Clause 8 of Section -II in shape of Demand Draft). Details of EMD and the name of the equipment quoted should be clearly mentioned. (IIA to be filled up)
- 3.5 Details name, address, telephone no., Fax, e-mail of the manufacturer / authorized distributor / service centre / contract person / office in Odisha (Annexure - III).
- 3.6 The declaration form in Annexure - IV duly signed by the tenderer before Notary Public / Executive Magistrate.
- 3.7 Manufacturer's Authorization Format in Annexure –V (In case the bidder is not the manufacturer). Importers are also required to furnish the authorization from the manufacturer.
- 3.8 Certificate duly filled by the Auditor / Chartered Accountant (as per Annexure – VI) that the annual average turnover of the firm in the last 3 financial years (In case of bidders who are authorized distributors of the manufacturer).
- 3.9 Performance Statement (Annexure - VII) (Item wise) during the last three years towards proof of supply of the equipment(s) /similar equipments mentioned in the schedule of requirement to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies inside the State Country. The copy of Purchase orders should be furnished in support of the information provided in the performance statement.
- 3.10 Deviation/No Deviation Statement from Technical Specification & details of technical specification of the product (Annexure-VIIIA & B)
- 3.11 Leaflet/Technical Brochures of the product/item offered.
- 3.12 Copy of Import License by the Importer (in case of Importer).
- 3.13 Copy of Valid ISO certificate.
- 3.14 Copy of Valid ISI / BIS European / CE /US FDA certificate (as per Section VI – Technical Specification).
- 3.15 Copy of the up to date GST clearance certificate.
- 3.16 The Original Tender Booklet with Conditions and the schedules signed by the tenderer at the bottom of each page with his official seal duly affixed.

3.17 Certificate in support of service center in Odisha or undertaking to set up service center in Odisha within one month from the date of installation if approved (for those who have no service centers in Odisha).

N.B: Valid means the certificate should be valid on or beyond the date of opening of tender (Cover-A).

COVER – B (PRICE BID)

4. The price to be quoted for medical equipments should be sent in the prescribed price format in a separate sealed cover hereafter called **Cover “B” (Price Bid)**. **Cover –B (Price Bid) of the tenderers who qualify in it’s Technical Bid (Cover – A) and complies to tender specification & found to be as per technical specification of the Product in demonstration (if required) will only be opened .**


4.1 The tender format (Price Schedule) in duplicate in the prescribed form (as per Annexure – IX), must be submitted in Cover-B. The price of the item should be quoted inclusive of excise duty, insurance, packing, forwarding, freight (door delivery) and warranty for 5 years. The price of CMC for 5 years, turnkey job (accessories if any for installation including charges for installation/commissioning), sales tax / GST and entry tax charges (if any) should be quoted in a separate column. The rate should be quoted for *each item* both in figures and words. **In case of difference in words and figures, words will be taken into consideration for evaluation.**

4.2 The Cover “B” of tenderers who qualifies in their technical bid, will only be opened at the office of the Dean & Principal,, MKCG Medical College, Berhampur at a date & time which will be intimated to them.

REJECTION OF TENDER

5. The tender submitted by the bidder will be rejected, if any of the following documents are wanting / not submitted with the tender:

1	List of Item(s) – Annexure II
2	Tender document Fee
3	Earnest Money Deposit
4	Details of Manufacturing Unit / contact person Liaisoning agent / servicing centre (Annexure III)
5	Declaration form (Annexure – IV) signed by the Tenderer & affidavit before Notary Public / Executive Magistrate
6	Manufacturer’s Authorization Format (Annexure – V) (for distributor / Importer)
7	Proof of avg. Annual turnover of Rs.10 Crore or more for preceding 3 financial year (for Manufacturer / Importer) or Rs.10 Crores or more (for authorized distributors) Annexure – VI
8	Audited Account Statement (P&L Account) / Annual Report for the three financial years by highlighting the figure in it, which is mentioned in the annexure-VI
9	Performance Statement (Item Wise) during the last three year (Annexure-VII)
10	Copies of Purchase order (Item wise) in support of the performance statement
11	Deviation / No deviation Statement (item wise) & details of technical specification (Annexure – VIII A & B)
12	Leaflets / Technical Brochures of the Equipment offered (Item wise)


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13	Copy of Import license (In case of Importer)
14	Copy of Valid ISO certificate
15	Attested Photocopy of Up-to-date CE/US FDA / BIS Certificate (Item wise) (As per technical specification)
16	Attested Photocopy of Up-to-Date IEC Certificate (Item Wise as applicable) (As per technical specification)
17	Photocopy of PAN
18	Photocopy of GST certificate
19	Copy of original Tender and schedules, duly signed by the Tenderer
20	IT Return of last 3 financial year
21	An affidavit to the effect that the firm has not been black listed anywhere

EARNEST MONEY DEPOSIT

6.1 The amount of Earnest Money Deposit required is mentioned in the Section-II.

The Earnest Money Deposit will be submitted in the shape of **demand Draft only** in favour of **DEAN & PRINCIPAL MKCG MEDICAL COLLEGE, BERHAMPUR** from any Nationalized/Scheduled Bank payable at **Berhampur**.

6.2 The EMD of the unsuccessful tenderers will be returned back without interest after placement of purchase order to the successful tenderer and EMD of successful tenderer will be returned after submission of performance security

6.3 The EMD will be forfeited if the tenderer withdraws its tender / furnish forged documents which is found during bid evaluation OR doesn't sign the contract / doesn't furnish performance security / doesn't supply the items (in case of successful bidder) within the stipulated time period.

PERFORMANCE SECURITY & AGREEMENT

7.1 The performance Security should be submitted in shape of Bank Draft/Bank Guarantee from a Nationalized / Scheduled Bank in favour of Dean & Principal,, MKCG Medical College, Berhampur payable at Berhampur equal to the amount of 5% of the purchase order value of the item (excluding cost of CMC & taxes) within 21 days of issue of the purchase order.

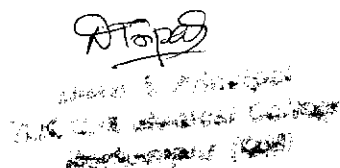
7.2 The agreement (as per Annexure – X) will be signed between the supplier, manufacturer and the purchaser and will be kept by the purchaser.

7.3 The performance Security Money will be returned back to the tenderer without interest after the expiry of the warranty period i.e. five years after the date of installation & signing of the CMC agreement.

7.4 Security money will be forfeited if there is any violation of the tender terms and conditions.

TENDER CONDITIONS :

- 8.1 The details of the medical equipments with specifications are mentioned in **Section VI. The firm must clearly mention their specification, special features, upgraded version (if any), detail technical catalogue of the offered model in their tender.**
- 8.2 Tenders should be typewritten or computerized and every correction in the tender should invariably be attested with signature by the tenderer with date before submission, failing which the tender will be ineligible for further consideration.
- 8.3 Rates inclusive of excise duty / customs duty, packing, forwarding, insurance, transportation charges with **5 years onsite comprehensive warranty** and exclusive of Sales Tax/GST & Entry Tax should *be quoted for the medical equipments (Item wise) on door delivery basis. The turnkey job (cost of accessories if any required for Installation/Commissioning including installation/commissioning charges), 5 years CMC cost & Sales Tax/GST & Entry Tax should be mentioned in separate columns.* The rates quoted should be in **Indian Rupees only.** Rates quoted in any other currency will not be accepted.
- 8.4 The supplier shall be responsible for delivery and due verification, installation and commissioning of the equipment in the proper site.
- 8.5 The rate per unit shall not vary with the quantum of order placed for destination point.
- 8.6 If there is difference between figures & words, words will be taken into consideration.
- 8.7 In the event of the date being declared as a holiday by Govt. of Odisha, the due date of sale, submission of bids and opening of bids will be the following working day at the scheduled place & time.
- 8.8 The price quoted by the tenderers shall not in any case, exceed the controlled price, if any, fixed by the Central / State Government / DGS&D and the Maximum Retail Price (MRP). The purchaser, at his discretion, will in such case, exercise the right of revising the price at any stage so as to confirm to the controlled price or MRP as the case may be.
- 8.9 The rate quoted and accepted will be binding on the tenderer for a period of **three years** from the **date of approval of the rate contract** and on no account, any increase in the price will be entertained till the completion of this tender period.
- 8.10 No tenderer shall be allowed at any time on any ground whatsoever to claim revision of or modification in the rate quoted by him. Clerical error / typographical error, etc. committed by the tenderers in the tender forms shall not be considered after opening of tenders. Conditions such as **“ SUBJECT TO AVAILABILITY”**

A handwritten signature in blue ink is written over a circular official stamp. The stamp contains text in Odia script, which is partially obscured by the signature and other markings.

/ "SUPPLIES WILL BE MADE AS AND WHEN SUPPLIES ARE RECEIVED" etc., will not be considered under any circumstance and the tenders of those who have given such conditions shall be treated as incomplete and for that reason, shall be rejected.

- 8.11 If at any time during the period of rate contract, the price of tendered item is reduced or brought down by any law or act of the Central or State Government or the tenderer, the tenderer shall be morally and statutorily bound to inform the purchaser immediately about such reduction in the contracted price. The purchaser is empowered to unilaterally effect such reduction in rate, in case the tenderer fails to notify or fails to agree for such reduction of rate.
- 8.12 Approved rate with terms, conditions & the quoted price of the tender shall remain valid for a period of 36 months from the date of approval.
- 8.13 If the relevant documents / certificates which are required to be furnished along with the tender are written in language other than English, the tendering firm shall furnish English version of such documents / certificates duly attested by a Gazetted Officer / Notary with his seal and signature.
- 8.14 If any information or documents furnished by the tenderer with the tender papers are found to be misleading or incorrect at any stage the tender of the relevant items in the approved list shall be cancelled and steps will be taken to blacklist the said firm for three (3) years.
- 8.15 Rate should be quoted in Indian Currency, both in words and figures against each item as the payments will be made in Indian currencies only (Annexure-IX). The tenderer shall not quote his own rate for any item other than the item specified in the list. (Section V – Schedule of Requirement).
- 8.16 Both Cover-A and Cover-B should have an **index and page number** of all the documents submitted inside that cover.
- 8.17 The Tax will be charged as per the guidelines given by the Finance Dept., Govt. of Odisha from time to time. GST (as applicable) will be paid to the supplier. In case of Entry Tax, the supplier has to deposit the original receipt to claim it, if finished goods are brought from outside the State. The Sales Tax & entry tax components should be shown **separately** in the Price Schedule.
- 8.18 The requirement of items may increase or decrease depending on the situation.

PACKAGING :

- 9.1 All the packaging should be New. The supplier shall provide such packaging of the goods as is required to prevent their damage or deterioration during transit to their final destination. The packaging shall be sufficient to withstand without any limitation including rough handling during transit, exposure to extreme temperature, salt and precipitation during transit and upon storage.

COMPREHENSIVE WARRANTY & CMC : (Undertaking as per Annexure – XI)

- 11.1 The comprehensive warranty will remain valid for 5 years from the date of installation & commissioning of the equipment. The original copy of warranty documents will be submitted to the purchaser at the time installation.
- 11.2 The warranty will cover **all the parts of the machine or item and any replacement or repair required** within the warranty period and will be provided by the supplier free of cost at the destination point (installation point). The supplier will take back the replaced parts / goods at the time of their replacement. No claim whatsoever shall be on the purchaser for the replaced parts / goods thereafter. No traveling allowances or transportation cost will be paid by the purchaser during the warranty period.
- 11.3 The Supplier shall warrant that the Goods supplied under this contract are new, unused, of the most recent or current models and they incorporate all recent improvements in design and materials. The Supplier shall further warrant that all Goods supplied under this contract shall have no defect arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in the place of final destination.
- 11.4 **CMC**: The tenderer shall also commit to provide offer for CMC (**Labour + all spare**) for the **next 5 (five) years after five (5) years of warranty**. No extra cost will be paid other than the CMC cost for functioning of the item during this period. The supplier will provide one (1) **preventive maintenance** in every **six months** in a year during the period of CMC.
- 11.5 **The selected firm should have a service centre in Odisha.**
- 11.6 All the warranty certificates must be handed over to the consignee at the time of installation.

TRAINING & OPERATIONAL MANUAL:

- 12.1 The firm / supplier will provide hands on training to two doctors and two technicians in his own cost for operating / handling the medical equipment(s) at the time of installation of equipment.
- 12.2 The supplier / firm will provide the operation / maintenance manuals of all equipments to the purchaser at the time of installation.

UPTIME GUARANTEE:

13.1 **UP-TIME BALANCE :**

The Supplier (s) shall provide guarantee 95% uptime during comprehensive warranty period, i.e., for 5 years from the date of installation & commissioning. Any uptime less than the specified period above will be compensated by the Supplier(s) by extending the

warranty period. The consignee shall maintain a logbook in the format provided by the Supplier(s) which will indicate usage of the equipment every day and for calculation of up-time.

DOWNTIME PENALTY CLAUSE:

- 14.1 During the Guarantee / warranty period, desired uptime of 95% of 365 days will be ensured (24 hour). If downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied. The supplier must undertake to supply all spares for optimal upkeep of the equipment for **TEN YEARS** after installation. If accessories / other attachment of the system are procured from the third party, then the supplier must produce cost of the accessory / other attachment and the CMC from the third party separately along with the main offer and the third party will have to sign the CMC with the purchaser if required. In no case equipment should remain in non-working condition for more than 7 (seven) days from the date of complaint, beyond which a penalty will be applicable as per Rule.
- 14.2 The principals or their agents are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

SPARE PARTS:

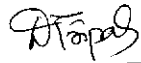
- 15.1 The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warrantee period should be attached / enclosed along with the sealed quotation.
- 15.2 The tenderers are required to furnish the list of spares along with their cost in the financial Bid separately which will not be taken for evaluation.
- 15.3 Local agents / distributors quoting on behalf of the manufacturer / importer must attach the authority letter in their favour.

LABELLING:

- 16.1 The equipment supplied must be properly labelled with Sl. No., Model Name, Make, year of Manufacture & certifications (European CE, USFDA, BIS electrical & electronic Certificate).

ACCEPTANCE OF TENDER AND SUPPLY CONDITIONS:

- 17.1 The Purchaser reserves the right to reject the tenders or to accept the tenders for the supply of the item tendered without assigning any reason thereof.
- 17.2 The Purchaser will be at liberty to terminate the contract either wholly or in part without assigning any reasons thereof. The tenderers will not be entitled to any compensation whatsoever for such termination.


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- 17.3 The supply should be completed within 30 days from the date of issue of purchase order unless otherwise specified. If no supply is received even after 30 days with liquidated damage from the date of issue of the purchase orders , such orders will stand cancelled automatically without further notice. Penalties shall also thereafter be applied to the tenderer as specified in clause no. 21.1 to 21.2. The approved firm shall also suffer forfeiture of the EMD and Performance Security Deposit.
- 17.4 The tender inviting authority or his authorised representative (s) has the right to inspect the factory of those company who have quoted for the tender, before accepting the rate quoted by them or before releasing any purchase order (s) or at any point of time during the validity period of tender and has also the right to reject the tender or terminate / cancel the orders issued or not to reorder based on the facts brought out during such inspections.

EVALUATION:

- 18.1 The price bid of the tenders who qualify in the technical bid fulfilling the eligibility criteria and complying to the technical specification shall only be opened.
- 18.2 The tender inviting authority may ask for demonstration (where ever required) of the equipment by the bidders at the premises of the tender inviting authority as a part of the technical evaluation before opening of price bid in order to verify the compliance to technical specification.
- 18.3 *The rates of the item quoted by the tenderer who qualify technically will be evaluated after aking the following points into consideration: -*
- a) Rate of the medical equipments will be taken after inclusion of the excise duty / customs duty, transportation, insurance, packing & forwarding & comprehensive warranty for (5) years, (cost of accessories if any for installation/commissioning and installation charges) & CMC for next seven years but excluding GST & Entry Tax (ET).
 - b) The cost of the medical equipments (excise duty / customs duty, transportation, insurance, packing & forwarding & comprehensive warranty for five(Five) years but excluding GST & ET), next seven(7) years after warranty will be added for evaluation.
 - c) The circulars issued by the Finance Department, Govt. of Odisha from time to time regarding tax matters shall be taken into account for evaluation and shall be binding on the bidders. As per the Govt. of Odisha Finance Deptt. Order No. 48317(230)/F dt.23.11.2010, in comparing the cost of an article, if purchased from within the State with the price of similar article if purchased from outside the State, the amount of Odisha Sales Tax (OST) now GST shall be deducted from the total cost since it accrues back as revenue to the State. If after such deduction, the cost of articles to be purchased within the State is not more than the cost of including Central Sales Tax, transport and other charges of similar articles from outside the State, it would be economical to purchase articles within the State.
- 19.1 If the supplier fails to complete the supply within the extended period (if required), no further purchase order will be placed to the firm for the said item including forfeiture of the Performance security and the concerned firm will be blacklisted for two (2) years from the date of issue of letter for the said item.

TERMS OF PAYMENT :

- 20.1 No advance payments towards cost of medical equipments or turnkey job will be made to the tenderer.
- 20.2 Payments as mentioned above will only be made after keeping the **performance security deposit** from the supplier as per clause no. 7.1, if they have not deposited the same before. Payment will only be made after ensuring signing of the Agreement, undertaking and handing over of warranty papers of equipment and turnkey jobs by the supplier to the purchaser.
- 20.3 No claims shall be made against the purchaser in respect of interest on earnest money deposit or performance security deposit or any delayed payment or any other deposit.
- 20.4 Payments in shape of Draft / Pay Order will preferably be despatched to the supplier by Registered post with A.D or e-payment / on-line transfer.
- 20.5 The payment of CMC will be made on a **six monthly basis**, after completion of warranty period and signing of the CMC agreement.
- 20.6 The 90% payment will be released only after Installation / Commissioning of the equipment and rest 10% will be release after satisfactory report received from the consignee i.e. the HOD of corresponding department.

PENALTIES :

- 21.1 If the successful tenderer fails to deposit the required performance security within the time specified or withdraws his tender after acceptance of his tender owing to any other reasons or unable to undertake the contract, his contract will be cancelled and the earnest money deposit / performance security deposit submitted shall stand forfeited by the purchaser
- 21.2 Violating the tender terms and conditions & non supply / supply which is not as per technical specification will disqualify the firm to participate in the tender for a period of 3 (three) years from the date of issue of letter and his E.M.D & performance security deposit will be forfeited and no further purchase order will be placed to that firm for that item.
- 21.3 In the event of any dispute arising out of the tender, such disputes would be subject to the jurisdiction of the Berhampur Court.

INSPECTION/TESTING :

- 22.1 The selected supplier shall have to arrange for demonstration of the equipment at the supply point. The purchaser or its nominated representative(s) shall inspect and test the equipments at the supply point to check their conformity to the technical specifications and other details incorporated in the contract.

D. T. Das
Dean & Principal
M.K.C.A. Medical College
Berhampur (Or)

CHECK LIST
(To be submitted in Cover A Technical Bid)


Note : The documents has to be arranged serially as per the order mentioned in the check list

Please put in the respective box

COVER – A (TECHNICAL BID) DOCUMENTS : SUBMITTED OR NOT

1	List of Item(s) – Annexure II	Page No		Yes		No	
2	Tender document Fee	Page No		Yes		No	
3	Earnest Money Deposit	Page No		Yes		No	
4	Details of Manufacturing Unit / contact person Liaisoning agent / servicing centre (Annexure III)	Page No		Yes		No	
5	Declaration form (Annexure – IV) signed by the Tenderer & affidavit before Notary Public / Executive Magistrate	Page No		Yes		No	
6	Manufacturer's Authorization Format (Annexure – V) (for distributor / Importer)	Page No		Yes		No	
7	Proof of avg. Annual turnover of Rs.10 Crore or more for preceding 3 financial year (for Manufacturer / Importer) or Rs.10 Crores or more (for authorized distributors) Annexure – VI	Page No		Yes		No	
8	Audited Account Statement (P&L Account) / Annual Report for the three financial years by highlighting the figure in it, which is mentioned in the annexure-VI	Page No		Yes		No	
9	Performance Statement (Item Wise) during the last three year (Annexure-VII)	Page No		Yes		No	
10	Copies of Purchase order (Item wise) in support of the performance statement	Page No		Yes		No	
11	Deviation / No deviation Statement (item wise) & details of technical specification (Annexure – VIII A & B)	Page No		Yes		No	
12	Leaflets / Technical Brochures of the Equipment offered (Item wise)	Page No		Yes		No	
13	Copy of Import license (In case of Importer)	Page No		Yes		No	
14	Copy of Valid ISO certificate	Page No		Yes		No	

15	Attested Photocopy of Up-to-date CE/US FDA / BIS Certificate (Item wise) (As per technical specification)	Page No		Yes		No	
16	Attested Photocopy of Up-to-Date IEC Certificate (Item Wise as applicable) (As per technical specification) as applicable.	Page No		Yes		No	
17	Photocopy of PAN	Page No		Yes		No	
18	Photocopy of GST certificate	Page No		Yes		No	
19	Copy of original Tender and schedules, duly signed by the Tenderer	Page No		Yes		No	
20	IT Return of last 3 financial year	Page No		Yes		No	
21	An affidavit to the effect that the firm has not been black listed anywhere	Page No		Yes		No	


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M.K.C.G. Medical College
 Barhampur (G.O.)

Annexure II
(Refer Clause No. 3.2)

(To be submitted in *Cover A -Technical Bid*)

LIST OF ITEM(S) QUOTED

Sl.	Name of Item(s)	Name of Manufacturer	Make	Model Name	Details of offered product at Page No. (s)
1					
2					
3					

Signature of the Tenderer :

Date :

Official

Seal:

Atopas
Dean & Technical
M.R.C. & Medical College
Bhubaneswar, Odisha

Annexure IIA

(Refer Clause No. 8 of Section -II)

(To be submitted in *Cover A -Technical Bid*)

DETAILS OF EMD(S) SUBMITTED

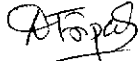
Sl.	Name of Equipment	EMD 2% of the quoted value Amount (Rs.)
	TOTAL (Rs.)	

Signature of the Tenderer :

Date :

Official

Seal


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Bachchanpur (B.M.)

Annexure III

(Refer Clause No. 3.5)

(To be submitted in *Cover A -Technical Bid*)

DETAILS OF THE TENDERER & LOCAL CONTACT PERSON

	Corporate Office (The address in which the purchase orders and payment details will be communicated)	Local Contact Person / Branch Office / Zonal Office / Service Centre if any, in Odisha.
Name & Full Address		
Telephone Nos., landline		
Mobile		
Fax		
E – Mail		
Date of Inception	(Copy of Certificate of incorporation of Manufacturer)	
Name of the issuing authority		
Import License (in case of Importer only)	(Furnish photocopy of Import License)	
GST validity	(Furnish photocopy of GST)	
PAN		
Details of the Service Centre Facilities in Odisha/Eastern India		

Signature of the Tenderer :
with seal

Date :

Official

Seal

:

Handwritten Signature
Dean & Principal
M.K.C.G. Medical College
Bhubaneswar (O.A.)

(To be submitted in *Cover A -Technical Bid*)

DECLARATION FORM

I / Wehaving My /
ouroffice
at.....do declare that I / We have carefully
read all the terms & conditions of tender of the _____, Odisha for the supply of
medical equipments. The approved rate will remain valid for a period of three year from the
date of approval. I will abide with **all the terms & conditions** set forth in the **Tender
Reference no.** _____

I/We do hereby declare I/We have not been de-recognized / black listed by any State
Govt. / Union Territory / Govt. of India / Govt. Organization / Govt. Health Institutions for
supply of Not of Standard Quality (NSQ) items / non-supply.

I/We agree that the Tender Inviting Authority can forfeit the Earnest Money Deposit and
or Performance Security Deposit and blacklist me/us for a period of 3 years if, any information
furnished by us proved to be false at the time of inspection / verification and not complying with
the Tender terms & conditions.

I / We do
hereby declare that I / we will supply the as per the terms, conditions
& specifications of the tender document. I / we further declare that I / we have a service centre /
will establish a service centre within one month of installation of the equipment in Odisha.

Signature of the bidder :

Seal

Date :

Name & Address of the Firm:

Affidavit before Executive Magistrate / Notary Public.

(To be submitted in *Cover A -Technical Bid*)
MANUFACTURER'S AUTHORISATION FORMAT

To

The Dean & Principal,,
MKCG Medical College,
Berhampur -760004, Odisha

Ref: Tender No. _____ Dated _____ for _____.

Dear Sir,

We, _____ are the manufacturers of _____
_____ (name of equipment(s) and have the manufacturing factory
at _____.

1. Messrs _____ (name and address of the agent) is our authorized distributor for sale and service of _____ (name of equipment(s))
2. We confirm that no supplier or firm or individual other than Messrs _____ (name of the above distributor) is authorized to submit a tender and enter into a contract with you for the above goods manufactured by us.
3. We also extend our full warranty (5 years comprehensive warranty) and also full back-up support for 5 years CMC after the warranty period as required by the purchaser.
4. We undertake that we have adequate infrastructure and spare part support to carry out the warranty and AMC/CMC services for 10 years and do accept to provide uptime guarantee of 95% as per this tender clause No. 13.1.

Yours faithfully,

(Signature with date, name and designation)

For and on behalf of Messrs _____

(Name & address of the manufacturers)

Seal

Note :

1. This letter should be on the *letterhead* of the *manufacturer (Item wise)* and should be signed by a person having the power of attorney to legally bind the manufacturer.
2. Original letter shall be attached to the technical bid.

(To be submitted in **Cover A -Technical Bid**)

ANNEXURE – VI

(Refer Clause No. 3.8)

(To be furnished in the letter head of the Auditor/ Chartered Accountant)

ANNUAL TURN OVER STATEMENT

The Annual Turnover for the last three financial years of M/s _____ who is a Manufacturer /Distributor/Importer (*Pl. tick whichever is applicable*) are given below and certified that the statement is true and correct.

Sl.No.	Year	Turnover in (Rs.)
1.	2017-2018	-
2.	2018-2019	-
3.	2019-2020	-

Average Annual Turnover (for the above three years) in (Rs.) _____

Date:
Place:
(Name in Capital)

Signature of Auditor/
Chartered Accountant

Seal

Membership No.-

Registration No. of Firm

Note:

- To be issued in the letter head of the Auditor/Chartered Accountant mentioning the Membership no.*
- To be supported by the attested photocopies of audited account statement / P&L account/ Annual Report and the figure of turnover mentioned in the format (Annexure – VI) should be highlighted there.*

(To be submitted in *Cover A - Technical Bid*)

Annexure VII
(Refer Clause no. 3.9)

PROFORMA FOR PERFORMANCE STATEMENT
(For the period of last **three** years)

ITEM WISE (Pl. Furnish separate performance statement itemwise if the bidder quote for more than one item & attach the order copies alongwith each performance statement)

Tender Reference No.:

Name of Tenderer :


Name of Manufacturer: _____ Name of the Item : _____

Sl.	Order placed by (Address of purchaser) (attach documentary proof)*	Order no & Date	Item Name	Make & Model	Qty	Value of Contract (Rs.)	Date of Completion		Reasons for delay if any	Have the goods been functional
							As per contract	Actual		
1										
2										
..										
..										
			Total Qty							

Signature and seal of the Tenderer

- * The documentary proof will be **copies of the purchase order** (during the last 3 years) indicating Contract No. and date along with a notarized certification (by the bidder) authenticating the correctness of the information furnished.
- ** The documentary proof will be certificate from the consignee/end user indicating Contract No. and date along with a notarized certification (by the bidder) authenticating the correctness of the information furnished.

(To be submitted in *Cover A -Technical Bid*)


Dean & Principal
M.K.C.G. Medical College
Berhampur (GA)

Annexure VIII A

(Refer Clause No. 3.10)

STATEMENT REGARDING DEVIATIONS FROM TECHNICAL SPECIFICATIONS (IF ANY)

Following are the Technical deviations and variations from the purchaser's Technical Specifications.

Sl. No.	Item Name	Clause of Technical Specification	Statement of Deviations Variations if any
1			
2			
..			
..			
..			

In case there is no deviation from technical specification, Pl. Mention *No Deviation*.

Signature of the Bidder

Name :

Date :

Place :

Seal

(To be submitted in *Cover A -Technical Bid*)

Annexure VIII B

(Refer Clause No. 3.10)

**DETAILS OF TECHNICAL SPECIFICATION OF THE PRODUCT (S) OFFERED BY
THE BIDDER**

Sl. No.	Item Name	Make	Model	Detail Specification of the product(s) offered* (Pl. Describe the detail specification of the product offered) – Para wise compliance to the technical specification asked for.	**Page no. of the Catalogue / Leaflet where Para wise compliance information as per technical specification is available
1					

* Leaflets/Technical Brocheures of the product offered must be attached in support of the information provided above.

** It is mandatory to mention the page no(s) in the format as mentioned above.

Signature of the Bidder

Name :

Date :

Place :

Seal

ANNEXURES -IX

(To be submitted in COVER B - PRICE BID)

Note : Price schedule should be submitted in separate sheets for each item(s) quoted and sealed in separate envelops. Each envelop should be superscribed with the *Item Name (s) quoted , i.e. (1) Decahead Teaching Microscope on turnkey basis (where necessary) (2) (3)*

.....

List of Enclosures to be submitted in Price Bid :

- 1) Price schedule format duly filled in and signed by the authorized signatory with company seal
- 2) Photocopy of GST registration certificate

To be submitted in Cover B – Price Bid
(Refer Clause No. 4.1 & 8.15)

FORMAT I - PRICE SCHEDULE

Whether GST paid to Government of Odisha: Yes / No . If Yes, furnish the copy of Odisha GST registration certificate

Name of the Item (s) (Items mentioned in the schedule of requirement)	Make & Model	* Price of the items with all accessories which includes excise duty / customs duty, packing, insurance, forwarding / transportation (door delivery) with 5 (five) years onsite warranty, calibration charges if any & excludes GST/sales tax / entry tax Cost in Rupees (both in words & figures)	***Taxes CST/GST & ET (if any) on & above the item price mentioned in col. (3) (Mention whether CST / GST and ET, the % of tax & it's value in Rs.)	Total Cost (Including of CST / GST & ET) (In Rupees)	**Cost of Turn Key if any (all materials : for electrical, civil , air conditioning work etc.) for installation & commissioning and all charges towards installation/commissioning including all taxes for in Rs. (Door delivery & installation)	CMC for five years after expiry of five years warranty period (please mention on yearly basis)	Total
1	2	3	4	5=3+4	6	7	8=5+6+

* Breakup of the price of individual items of the items mentioned at col. (3) above should be mentioned separately at Annexure IXA2


** The cost of turnkey shall include any specific accessories/equipment required for installation/commissioning and . In case of turnkey, the details of accessories/equipment are to be mentioned.

*** CST/GST & ET which will be chargeable on the price (3) shall be mentioned separately in column 4 above.

Date :

Place :

- Rates should be quoted both in figures & words for each item and if there is any discrepancy, the quoted rates in words will be taken for evaluation.
- The tenderer has to mention the make / brand, specification, warranty of all the items in turn key.


Dean & Principal
M.K.S.I.T. Medical College
 Bhubaneswar, Odisha

ANNEXURES

(Agreement, Warranty and CMC
Undertaking)

AGREEMENT

THIS AGREEMENT IS MADE AT _____ THIS THE DAY OF _____ 2014

BETWEEN

Name of the Supplier
with full address

Here in after called the "Supplier(s) _____" as 1st Party

AND

Dean & Principal,, MKCG Medical College, Berhampur

herinafter called the "PURCHASER" _____ as 2nd Party.

Relying on the documents and representation of facts connected to the issue of aforesaid parties to undertake the responsibilities of sell and purchase of following equipment(s) etc. with the terms & conditions hereinafter laid down.

And whereas the 2nd party "Purchaser(s)" is willing to purchase

Name of the Item:

Specifications: As per specifications laid down in the Tender terms & conditions

The Supplier(s) has agreed to sell the equipment(s) completed in all respects according to the Tender requirements and their / his offer dtd. _____ and the Supplier(s) has also agreed to install to make them operative at the destination mentioned in the Tender document with the following descriptions and their cost mentioned against each.

<u>Description of goods</u>	<u>Qty</u>	<u>Price</u>	<u>Total</u>
-----------------------------	------------	--------------	--------------

The price / cost of the item also include the followings in addition to above.

1. Insurance
2. Freight
3. Transportation
4. Customs duty / Excise duty
5. Charges for documents, instructions manual, tools
6. F.O.R. at the destinations mentioned in the consignee list
7. Training to doctors & technicians.
1. Maintenance of the system includes all accessories supplied and their spare parts required during comprehensive warranty period of five year at free of cost from the date of successful installation and satisfactory functioning of the system at the site.
2. Installation and commissioning of the system by the Supplier's engineer at site.
3. Any other charges including loading & unloading, packing & forwarding etc. will be paid by the Supplier(s) till the completion of the installation and turnkey job if any.

CMC cost for next 5(five) years after the warranty period shall be paid after completion of the warranty period (on a six monthly basis).

TERMS AND CONDITIONS:-

PRICE :

Only the price quoted by the Supplier(s) in his / their financial proposal will be the price for payment and no other price escalation will be allowed at any circumstances.

SUPPLY

The supply should be completed within 60 days from the date of issue of purchase order unless otherwise specified. If no supply is received even after 60 days or extended period days with liquidated damage from the date of issue of the purchase orders , such orders will stand cancelled automatically without further notice. Penalties shall also thereafter be applied to the tenderer as specified under Penalty. The approved firm shall also suffer forfeiture of the EMD and Performance Security Deposit.

LIQUIDATED DAMAGE :

The Purchaser may allow extension for a maximum period of 4 (four) weeks (28 days), after the stipulated date of supply (i.e. 60 days) with a penalty of 0.5% which will be deducted from the purchase order value as "Liquidated Damage", for each week (7 days) of delay upto a maximum 2% on the value of the goods.

If the supplier fails to complete the supply within the extended period, i.e. 60 days after being allowed by the purchaser, no further purchase order will be placed to the firm for the said item including forfeiture of the Performance security and the concerned firm will be blacklisted for two (2) years from the date of issue of letter for the said item.

TERMS FOR PAYMENT :-

- A. The payment(s) shall be made by purchaser in Indian currencies. No advance payments towards cost of Instruments and Equipments etc. will be made to the tenderer. No payment will be made to the supplier if he has not deposited the unconditional performance security in shape of Bank draft/bank guarantee amounting to 5% of the purchase order value which will be deposited with the O/o of the concerned consignee.

90% of the cost of the equipment (excluding CMC Cost)+100% turnkey +100% tax shall be released to the supplier on receipt of stock entry certificate and installation certificate (that it is working satisfactory) from the consignee. The remaining ten percent (10%) will be released after satisfactory working certificate received from the consignee after 6 weeks of installation subject to submission of performance security (5% of P.O. Value). For this purpose the supplier will submit two bills, one 90% of the cost of the equipment+100% turnkey +100% tax and the other for the remaining ten percent (10%) of the cost of the equipment.

- B. Before release of payment the supplier has to submit the signed agreement, warranty documents of equipment and turnkey job to the consignee. The undertaking as per Annexure – XI & XII will also be submitted to the consignee with photocopies to the purchaser.
- C. The payment of CMC will be made on six monthly basis after expiry of the warranty period and signing of the CMC agreement.

UP-TIME BALANCE :

The Supplier (s) shall provide guarantee 95% uptime i.e. 41610 hours (95% of 43800 Hours) during comprehensive warranty period. The up time guarantee will be 95% as calculated here under i.e. 8322 hours per annum.

1 year – 365 days (24 working hours per day)

Total working time per annum – 365 days x 24 hrs = 8760 hrs.

ATP
Dean & Principal
M.K.C.G. Medical College
Barhampur (GM) Page 31 of 53

Up time guarantee - $0.95 \times 8760 \text{ hrs.} = 8322 \text{ hrs. per annum.}$

For 5 years warranty = $8322 \times 3 \text{ hrs}$

Any uptime less that specified above will be compensated by the Supplier(s). The consignee shall maintain a log-book in the format provided by the Supplier(s) which will indicate usage of the equipment every day and for calculation of up-time.

DOWNTIME PENALTY CLAUSE:

During the Guarantee / warranty period, desired uptime will be 95% of 365 days (24 hour) if downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied. The vendor must undertake to supply all spares for optimal upkeep of the equipment for TWO YEARS from the date of installation at the site. If accessories / other attachment of the system are procured from the third party, then the vendor must produce cost of accessory / other attachment and the CMC from the third party separately along with the main offer and the third party will have to sign the CMC with the consignee if required.

In no case equipment should remain in non-working condition for more than 7 working days.

The manufacturers or their agents are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

COMPREHENSIVE MAINTENANCE CONTRACT:

The supplier will provide CMC for 7 (seven) years after the completion of 3 years comprehensive warranty period.

INSTALLATION AND DEMONSTRATION :

The installation and demonstration of the equipment shall be done by the Supplier(s) at free of cost at the installation site of the respective institutions.

TRAINING :

Supplier(s) shall impart adequate training to 2 doctors and 2 technicians at the site / his / their factory / workshop inside / outside India as the case may be at the Supplier(s) cost.

INCIDENTAL SERVICES :

The Supplier(s) shall abide by the terms and conditions under incidental services & the installation of Instrument / Equipment at the destination point (Door Delivery) of consignee and demonstrate the machine in working condition to the receiving authority.

Furnishing of tools required for assembly and / or maintenance of the supplied Instruments / Equipments.

Furnishing of detailed operations and maintenance manual literatures for each appropriate unit of supplied Goods.

Performance or supervision or maintenance and / or repair of the supplied Goods, for a period of five (5) years i.e. the warranty period, provided that this service shall not relieve the Supplier of any warranty obligations under this contract.

The successful supplier shall replace any part or whole system as may be necessary in the event of damage during transit or found damaged on arrival or during installation of the system or if found not in conformity to the specifications at his / their own cost.

The tenderer should furnish an undertaking to the effect that he / they should take responsibility after sales service of the equipments / instruments to be supplied by him / them and to provide spare parts for up keeping the Equipments / Instruments for a minimum period of 10 years from the date of installation.

The price of the instruments / equipments is inclusive of warranty for a period of 5 (five) years commencing from the date of installation. The tenderers shall submit undertaking for C.M.C (Comprehensive Maintenance Cost) for a period of 5 (Five) years from 8th year onwards duly signed by authorised signatories for the execution at appropriate time (Annexure – X & XI).

SPARE PARTS :

The supplier will provide all the spare parts, repairing & maintenance by its trained personnel after the warranty period (5 years) during the CMC period.

COMPREHENSIVE WARRANTY :

This warranty shall remain valid for three (5) years from the date of installation & commissioning of the machine / item & must be submitted at the time of installation to the consignee with a photocopy to the purchaser.

The warranty will cover all the parts of the machine or item and any replacement or repair required within the warranty period will be provided by the supplier free of cost at the destination point (Installation point). The supplier will take back the replaced parts / goods at the time of their replacement. No claim whatsoever shall be on the purchaser for the replaced parts / goods thereafter. No traveling allowances or transportation cost will be paid by the purchaser during warranty period.

The Supplier warrants that the Goods supplied under this contract are new, unused, of the most recent or current models and they incorporate all recent improvements in design and materials (even if the advanced facilities are not mentioned in our product specification). The Supplier further warrants that all Goods supplied under this contract shall have no defect arising from design, materials or workmanship (except when the design and / or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the place of final destination.


The Purchaser / consignee shall promptly notify the Supplier in writing / Fax / Telephone of any claims arising under this warranty.

Upon receipt of such notice, the Supplier shall with all responsible speed will repair or replace the defective goods or parts thereof without cost to the purchaser to maintain its UP TIME offered in the beginning of purchase otherwise penal provisions shall apply if the supplier fails to keep up its UP TIME.

If the Supplier, having been notified, fails to remedy the defect(s) within 10 days, the Purchaser may proceed to take such remedial action as may be necessary, like forfeiture of EMD or recovery from security deposit the amount of loss incurred by the purchaser.

GOVERNING LANGUAGE :

The contract shall be written in English language. English language version of the contract shall govern its interpretation. All correspondences and other documents pertaining to the contract which are exchanged by the parties shall be written in English.


Dean & Principal 33 of 53
M.K.C.G. Medical College
Bekannur (GM)

DELIVERY OF DOCUMENT :

Four (4) copies of the Supplier invoice / bills showing purchase order number, good's description, quantity, unit price, total amount with stock entry certificate by the consignee.

Photocopy of the Insurance Certificate if any (The Original Certificate is to be given to the Consignee).

Attested Photocopy of Manufacturer's / Supplier's warranty certificate. (The original warranty certificate is to be submitted to the consignee at installation point).

INSURANCE :

For delivery of goods at site, the insurance shall be obtained by the Supplier(s) in an amount equal to 110% of the value of goods from "Warehouse" (final destination) on "All Risks" basis including natural calamities.

PACKAGING :

The supplier shall provide such packaging of the goods as is required to prevent their damage or deterioration during transit to their final destination. The packaging shall be sufficient to withstand without limitation rough handling during transit and exposure to extreme temperature, salt and precipitation during transit and upon storage. All primary packaging containers which come in contact with the item should strictly protect the quality and integrity of the Instruments & Equipments. Packing case size and weights should be taken into consideration, in case of remoteness of final destination and the absence of heavy handling facilities at all points in transit.

The packaging marking shall show the description of quantity of contents, the name of the consignee and address, the gross weight of the packages, the name of the supplier with a distinctive number of mark sufficient for purposes of identification. Each package shall contain:

- i. a packaging note quoting the name of the purchaser
- ii. the number and date of order
- iii. nomenclature of the goods
- iv. schedule of parts for each complete equipment giving part number with reference to assembly.
- v. Name & address of the consignee
- vi. Name & address of the supplier.

TERMS OF CONTRACT :

The Dean & Principal, MKCG Medical College, Berhampur will be at liberty to terminate the contract either wholly or in part without assigning any reason. The tenderers will not entitled to any compensation whatsoever in such terminations.

PENALTIES :

If the successful tenderer fails to execute the agreement and / or deposit the required security within the time specified or withdraws his tender after acceptance of his tender owing to any other reasons, he is unable to undertake the contract, his contract will be cancelled and the Earnest Money Deposit deposited by him along with his tender shall stand forfeited and he will also be liable for all damages sustained by the Dean & Principal, MKCG Medical College, Berhampur by reasons of such breach, such as failure to supply / delayed supply including the liability to pay any difference between the prices accepted by

him and those ultimately paid for the procurement of the articles concerned. Such damages shall be assessed by the Dean & Principal, MKCG Medical College, Berhampur whose decision is final & binding in the matter.

If any articles or things supplied by the tenderer have been partially or wholly used or consumed after supply and are subsequently found to be in bad order, unsound, inferior in quality or description or are otherwise faulty or unfit for consumption / use & rusted then the contract price or prices of such articles in full will be recovered from the tenderer, if payment had already been made to him or the tenderer will not be entitled to any payment for that item & no further order will be given to him. For infringement of the stipulations of the contract or for other justifiable reasons, the contract may be terminated by the Dean & Principal, MKCG Medical College, Berhampur and the tenderer shall be liable for all losses sustained by the Dean & Principal, MKCG Medical College, Berhampur in consequence of the termination, which may be recovered from the Security Deposit made by the tenderer or other money due or become due to him.

Supply of sub-standard items or non - performance of tender terms & conditions will disqualify a firm to participate in the tender for the next five years.

ARBITRATIONS :

In the event of any dispute out of the contract, such dispute should be subject to the Jurisdiction of the High Court, Odisha.

CHANGE OF TERMS AND CONDITIONS :

Any amendment to the terms & conditions and clauses of the agreement if required must be done in writing duly signed by the two parties.

IN WITNESS WHERE OF the parties herein to have set and subscribed their respective hands the day and year first herein above written.

Executed by Purchaser (s) / Consignee

Executed by Supplier(s)

In presence of (Witness)

In presence of (Witness)

ANNEXURE – XI

(Refer Clause No. 11.1 to 11.6 & 13.1)

UNDERTAKING

(To be submitted on Rs.50/- stamp paper)

Tender ref. No. _____

Name of the equipment:

Date of Installation:

Name of the Consignee:

Name of the purchaser:

Sir,

I / we _____

hereby declare that

1. I / we am / are the manufacturers / authorized agents / distributors of _____.
2. I / we do accept / agree for the all clauses including the warranty 5 years followed by 5 years CMC) and payment terms and conditions of this tender.
3. I / we do hereby confirm that the prices / rates quoted are fixed and are at par with the prices quoted by me / us to any other Govt. of India / Govt. of Odisha Hospitals / Medical Institutions. I / we also offer to supply the stores at the prices and rates not exceeding those mentioned in the price bid.
4. I / we agree to abide by my / our offer for a period of 365 days from the date of approval of the tender.
5. I / we have necessary infrastructure for the maintenance of the equipment and will provide all the accessories / spares as and when required.
6. I / we also declare that in case of change of Indian Agent or for any other change, merger, dissolution solvency etc. in the organization of our foreign principles, we would take care of the Guarantee / warranty / maintenance of the machinery / equipment and have provided written confirmation for the same.
7. I / we shall provide assistance to the consignee in clearance and delivery of store at consignee's stores / premises.

[Signature]
Dean & Principal Page 36 of 53
M.K.C.G. Medical College
Berhampur (GM)

8. The demurrage / storage charges, if any, payable to the customs department, due to non-receipt of required documents in time by the hospital / delay due to incorrect entries, mistakes to the documents etc. shall be borne by me / us.
9. I / we have carefully read and understood all the terms and conditions of the tender and shall abide by them.
10. I / we undertake to get the equipment's repaired within 48 hours of receiving of the complaint from the indenting hospital / consignee failing which a penalty @ 1% of the cost may be recovered from the performance security before releasing the same to us after 5 years warranty period.

Signature of the witness
Name & address

Signature of the Tenderer
Name & address

Dated

Seal of the firm.

N.B: 1. To be attested by Notary Public

2. Only to be submitted by the approved supplier / tenderer to the consignee and a copy to the purchaser before release of payment.

Atopas
Dean & Principal
M.K.C.O. Medical College
Bachampalli (GM)

(SECTION-IV)

SPECIFICATION
SECTION

Sl. No	Item	Specification	Qty									
FMT												
1	Calorimeter	<p>Versatile models which can effectively serve both the chemical and the clinical groups in field such as Biochemistry, agriculture, veterinary, Dyestuff & Pharmaceutical. They can measure percentage transmittance (%T) and Absorbance (Abs.). Improved optics enable measurement with only 1ml. solution. A wide range of wavelength, 400 to 700nm, is covered with the help of 8 optical filters mounted on a turret.</p> <p>Wavelength Range : 400nm to 700 nm with 8 optical filters Filters peak wavelength (Typical) : 420nm, 440nm, 490nm, 520nm, 540nm, 570nm, 600nm, 700nm, Measuring Modes : % T & Abs. Photometric Resolution : 1% T & 0.01 in Abs upto 1.99 Abs (O.D) Display : 3-Digit LED Sample Volume : 1ml. in 4ml. test tube Source : white LED Detector : Hermetically sealed photodiode Power : 230V +10%, 50 Hz. Dimension : 160(W)x200(D) x 100(H) mm Weight : 1.5 Kg (Approx.) Accessories : Four test tubes</p>	1									
2	Weighing Machine	<p>Adult</p> <ul style="list-style-type: none"> • Compact international design • Ideal as a portable scale • Accurate and sensitive mechanism • Thick magnifying lens • Anti rust coated parts • Maximum Capacity : 130kgs x 500 gms • Dimension : 27x24x4 cms 	2									
3	Incubator	<p>Eletrical (alarge) Construction: Double walled construction Insulation: 3" Thick PUF Insulation ensures stable temperature & reduced energy consumption. Heating System: Heating elements made from the best quality Kanthal DSD wire are used on refractory supports. Observation Door: Full view Acrylic door with gasket to view samples inside the chamber. Trays: Specially designed stainless steel rod trays ensure uniform temperature distribution. Safety: Additional Safety cum stand by thermostat to cut of heater supply in case temperature of overshoot. Supply: 230V AC, Single Phase, 50Hz</p> <p>Standard Model : Inside S.S. 304 mirror finish. Outer Mild steel (CRCA) sheet with powder coated. Temperature Range: 50C above ambient to 600C Temperature Accuracy: ± 0.5 0C Control System: Imported microprocessor based auto tuned PID controller with CE mark & dual display of set value & process value for precise control of temperature</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Capacity Liters</th> <th>Internal size H x W x D cm</th> <th>Trays</th> </tr> </thead> <tbody> <tr> <td>43</td> <td>35 x 35 x 35</td> <td>2</td> </tr> <tr> <td>91</td> <td>45 x 45 x 45</td> <td>2</td> </tr> </tbody> </table>	Capacity Liters	Internal size H x W x D cm	Trays	43	35 x 35 x 35	2	91	45 x 45 x 45	2	1
Capacity Liters	Internal size H x W x D cm	Trays										
43	35 x 35 x 35	2										
91	45 x 45 x 45	2										

Sl. No	Item	Specification	Qty
Physiology			
1	Stadiometer	with digital weighing machine LCD display (high precision strain-gauge sensor, 150kg capacity, Division 100g LCD Display 25 mm, back light, foot tab Switch, automatic zero resetting, switch off oberload & low battery indicator)	5
2	Body composition monitor	Adult	3
3	Thermal scanner	Infra red	2
4	Dynamo meter	Hand grip	5
Pharmacology			
1	Metered dose inhalers	Canister, Actuator, Mouthpiece, Dust-Cap	25
2	Spacers	Device attached to an inhaler with or without face mask	25
3	Rotahalers	Mouth piece, rota chamber, rota cap inserting hole	25
4	Nasal Sprays	Dust cover, spray pump unit, sholder, safety clip, bottle	25
5	Transdermal patchers	Single-layer Drug-in-Adhesive. The adesive layer of this system also contains the drug, Multi-layer Drug-in-Adhesive, Reservoir patch, Matrix patch, Vapour Patch	25
6	Insulin infusion pumps	Battery operated microprocessor based pump with canuala and butterfly needle	25
7	Insulin pen	Body, Insulin catridgege, special needle, dial push button cap	25
8	Rational FDC	Cotrimoxazole, OC pills, iror folate, ACT antiubercular	25
9	Irrational FDC	Anticold combo, antidiabeties, analgesic & antinflammatory	25
10	Essential medicines	Artesunate, isoniazid, amlodipine, metformin, amoxiclav	25
11	Charts	Cover all essential topics in pharmacology Pharmacokinetic, Pharmacodynamic Format and approach geared to how students study and learn pharmacology Organized by drug Classes Tables and illustrations clarify relationships among durgs in a single class and among drug classes	20
12	Photographs	Charts issustrate drug actions, pharmacokinetics uses, interactions, and side effects	20
13	Model	High-yield facts featured on exams and boards	20
14	Videos	Mnemonics Key terms defined	20
Biochemistry			
1	Boiling water bath	(30 litre) capacity with thermostat (5C-100C) with aluminium test tube rack (16x4)	4
2	Paper Electrophoresis Apparatus with power pack	Paper Electrophoresis Apparatus with power pack	1
3	Microtips	(Pipettes) Rack with Box (1-2ul, 5-50ul, 100-1000ul)	5
4	Sample Transpiration Box with inbuilt racks	Sample Transpiration Box with inbuilt racks	10

Sl. No	Item	Specification	Qty
5	Multichannel 98) pipettes (0.5-10ul, 5-50ul, 10-100ul)	Multichannel 98) pipettes (0.5-10ul, 5-50ul, 10-100ul)	3
6	Semiautoanal yzers	<p>Technical Specifications</p> <p>OPTICAL SYSTEM Flow Cell 30 µl quartz Light Source UV Quartz halogen lamp 6V/10W Temperature 250C, 300C, 370C and room temperature Temperature Control By peltier element Photodetector UV enhanced silicon photodiode Cuvette option Triple cuvette system, 10mm square/Round cuvette with square adaptor (optional) Filter 7 interference filters (340, 405, 505, 546, 578, 620 and 670 nm) with 3 optional positions Filter Selection Filter wheel, through stepper motor</p> <p>MEASURING SYSTEM Reaction Volume 350-5000µl Aspiration Peristaltic pump Photometric Range - 0.1 to 3.0 Absorbance Resolution 0.0001 Absorbance Linearity ≤ 1% Blanking Automatic zero setting Calibration Automatic against standard with auto storage of graph for all tests</p> <p>Measurement Methods • End point/one point reaction with or without reagent blank and sample blank • Fixed time/two point kinetics with or without reagent blank and sample blank (with 1 sec change) • Kinetic test/multi point with or without calibration, factor and sample blank (with 1 sec change) • Bichromatic with or without reagent blank and sample blank • Multipoint Calibration of 10 multi-standards with curve fit formula • Linear, Point-Point, Multi-Point, Logit-Log 4P, Logit-Log 5P, Polynomial, Parabola, Exponential 5P and Spline calibrations with error flags multi-standards • Absorbance</p> <p>OPERATOR INTERFACE Total Programmable Tests 248 Direct Test Keys 48 Quality Control 3 Controls per test with LeveyJenning graph Display 640 x 480 pixel, Color graphical TFT (5.6") Touch Screen Optional Printer Graphical inbuilt thermal printer Air Purge After each sample Keyboard Qwerty alphanumeric membrane keyboard (80 keys) for direct function entries Communication Interface RS 232(optional), USB port (optional) Memory - 1,00,000 test results - 22320 QC results and graph - Calibration curve and results for all tests - Reagent blank for all tests</p> <p>Result recall Test name, Patient name, Sample ID, Date LIS Software Available (optional) Telemedicine Port ThroughWiFi (optional)</p> <p>PHYSICAL Dimension 420(W) x 310(D) x 150 (H) mm Power Supply 110-250V, 50 ±10% Hz Weight 8 Kgs approx.</p> <p>ENVIRONMENTAL CONDITIONS Storage condition Temperature 0 - 40°C Non-condensing humidity 0 - 80 % Operating condition Temperature 10° - 40°C</p> <p>HARDWARE & ACCESSORIES Component QUANTITY Power cord 01 Fuse 02 Thermal printer roll 02 User Manual 01</p>	2

Sl. No	Item	Specification	Qty
7	Automated Elisa Reader	<ul style="list-style-type: none"> • Filter based ELISA reader with halogen lamp as light source and single channel optics / single detector with silicon photodetectors for reliable results. • Halogen Lamp should have minimum usage option, i.e. it's should get 'on' while reading and should be 'off' mode even the instrument is on standby mode. • Should be compatible to wavelength range from 340 to 850nm, which must for various ELISA applications. • Should have easy access 8 position filter wheel. • Instrument should be supplied with 3 standard filters of 405nm, 450nm and 620nm. • Should have automatic calibration and self diagnostics of any possible error in optical alignment before each program reading. • Should able to read 96 well format microwellplate in 6 seconds. • The instrument should run in stand-alone mode OR with computer & software controlled. • Internal software (standalone mode) should have all the basic application related to ELISA like quality control, qualitative classification, standard graph etc. • Computer software should be supplied with unlimited user licenses and should have reading as well as data analysis option including standard curve fit, qualitative classifications, quality control etc. • System should able to run in stand-alone mode using 4.5 inch color display and keypad. • The instrument should have a memory of 99 inbuilt protocols in stand-alone mode and 100 result memory . • The instrument should have 2 USB ports, one for the easy data transfer and another to connect printer directly to the unit. • System should have USB port for external printer connectivity option for the data printout. • Instrument should be either CE mark or Europe regulations, authorized certificate from notified body should be submitted. • Optional Computer and Printer to be quoted with suitable UPS. <p>Data Analysis Software :</p> <ul style="list-style-type: none"> • Software should have option for area selection. i. e different protocols at different area of the same plate. • Database based software to run backups of all data, restore back up data (in case of hardware failure of original computer). • Single software program should allow any number of measurement steps within the program. • Data should be able to export in formats such as excel , pdf , xml, or note . <p>ELISA WASHER / MICROPLATE WASHER</p> <ol style="list-style-type: none"> 1. Should have capability to wash 96well micro plates and have 1x 8 way wash head 3. Should have programmable washing time, volume and soaking time. 4. Should use non-pressurized bottles to minimize the risk of spillage and also choice for user to substitute bottles with general labware bottles. 5. Should provide two 2 liter wash bottles & one 4 liter waste bottle. 6. Should provide aerosol cover to prevent aerosols of infectious diseases from spreading. 7. Should have residual volume less than 1.5 µl. 8. Dispensing volume should be 50 – 400 µl for 96 well. 9. Should have a USB port for easy data transfer. 10. Should have large color screen for easy set-up of wash protocols. 11. Should have the liquid level sensors in both the wash and waste bottles to guarantee safe performance. 12. Should have plate sensor to recognize if a plate is present or not. 13. After using the instrument, the automatic rinse feature can be set to operate in a specified time sequenceto ensure that the liquid channels do not get clogged. 14. Warranty should be one year. 15. Instrument should be either CE mark /IVD / FDA or Europe regulations, authorized certificate from notified body should be submitted. 	1
8	Centrifuge (24 head)	<ul style="list-style-type: none"> • Bench top centrifuge to separate serum from blood and PCV, Cytology tests etc. • Heavy duty C.R.C. construction finished with powder coating . • Max. speed 2850 RPM and RCF 1325xg. • Machine can run throughout the day continuously . • No displacement on bench ,No vibration as motor fitted on anti vibration pads. • Should have Low noise, less than 58 bars . 	4

Sl. No	Item	Specification	Qty
		<ul style="list-style-type: none"> Should be Fitted with brushless motor ,Brushless means motor without carbons. Should have Brushless motor are without maintenace free which can run upto 8hrs continuously without stop. Should have Warranty for 5years on Brushless Motors. Should have Warranty for 18 Months on other part including electronic. Should be Fitted with swing out rotor ,swing out means centrifuge tube run horizontally like fan at 900. Should have Double walled ABS injection moulded lid which is light weight to avoid accident. Should be Fitted with microprocessor based pre programmable speed controller to control speed from 500-2850 r.p.m. in thee interval of 250 R.P.M. Max. R.C.F. 1325xg. Should have Timer 0-59 minute and can be set in the interval of 1minute. After the time is over a beap sound will come . Last parameters recall automatically . 24 Hole for 15ml Centrifuge Tube 15ml Swing Out Type Rotor Head EUROPEAN CE certified. To work on 220 Volts 50Hz- AC .Motor :500 Watt Approx. Supplied with instruction manual ,cord and plug ,head puller,dustcover,spanner to pull out rotor head. 	
9	Auto Sampler	Electrolyte Analyzer	1
10	Semi Auto Analyzer	Standard	2
11	Glucometer	Standard	2
12	Sphygmomanometer	Mercury , ISI Mark	1
13	Sphygmomanometer	Digital , ISI Mark	2
14	Weighing Measuring Instrument	Standard, Adult	2
15	Height Measuring	Standard	2
16	HPLC	for HBA1C	1
17	Centrifuge machine (36 Head)	<ul style="list-style-type: none"> Bench top centrifuge to separate serum from blood and PCV, Cytology tests etc. Should be Heavy duty C.R.C. construction finished with powder coating. Max. speed 2850 RPM and RCF 1325xg. Machine can run throughout the day continuously . No displacement on bench ,No vibration as motor fitted on anti vibration pads. Should have Low noise, less than 58 bars . Should be Fitted with brushless motor ,Brushless means motor without carbons. Should have Brushless motor are without maintenace free which can run upto 8hrs continuously without stop. Should have Warranty for 5years on Brushless Motors. Should have Warranty for 18 Months on other part including electronic. Should be Fitted with swing out rotor ,swing out means centrifuge tube run horizontally like fan at 900. Should be Fitted with microprocessor based pre programmable speed controller to control speed from 500-2850 r.p.m. in thee interval of 250 R.P.M. Max. R.C.F. 1325xg. Should have Timer 0-59 minute and can be set in the interval of 1minute. Should have Large LED display R.P.M. .R.C.F., set time, Run time. After the time is over a beap sound will come . Last parameters recall automatically . 36 Hole for 15ml Centrifuge Tube 15ml Swing Out Type Rotor Head To work on 220 Volts 50Hz- AC .Motor :500 Watt Approx. Supplied with instruction manual ,cord and plug ,head puller,dustcover,spanner to pull out rotor head. EUROPEAN CE certified. 	4

Sl. No	Item	Specification	Qty
18	Automated Electrophoresis	Standard	1
19	Thermocycler	<p>01. System should have 3 x 32 well block with 0.1, 0.2ml tubes, Strips with Adjustable Heating Lid.</p> <p>02. System should have Minimum Ramp Rate of 4°C/s with minimum temp. Accuracy: ± 0.3°C.</p> <p>03. System should have Individual Gradient block Temp. Range 1-30°C with temperature range 30-100°C.</p> <p>04. System should have adjustable hot lid technology to reduce evaporation. Hot Lid temperature range 30-110°C (Adjustable Default 105°C)</p> <p>05. The System should have a Display Size minimum 7 inches with Display Type Full Touch LCD.</p> <p>06. Sample Volume should be 10-100 µL.</p> <p>07. System should have On board Tm calculator facility to approximate the optimal annealing temperature.</p> <p>08. System should have Built-in standard program file templates; can quickly edit the required files.</p> <p>09. System should have Choice of saving the programs minimum 100 to the instrument or unlimited to a USB memory stick.</p> <p>10. The system should have the ability to store programs on a memory stick.</p> <p>11. System should have capability to interlink up to 11 PCR systems via single Ethernet hub.</p> <p>12. The system should have a USB port to transfer methods from one machine to another.</p> <p>13. The system should allow easy product updates via USB port.</p> <p>14. The system should have Auto restart option in event of Power failures.</p> <p>15. Other Features: Gradient Calculator, Tm Calculator, Log Book, Email Notifications, On Board Touch Screen Calibration facility.</p> <p>16. Should have multiple log in facility with individual password protection.</p> <p>17. System should have light weight approx. 10Kg</p>	1
20	Shaker Cum Incubator	Standard	1
21	Microcentrifuge	Standard	1
22	Digital PH Meter	Standard	3
23	Autoanalyzer	Standard	1
24	Eclia	Standard	1
25	Autopipettes	0.1-1ul, 1-5ul, 01.-10ul, 2-25ul, 10-50ul, 100-1000ul	2
26	Fixed Pipettes	1ul, 5ul, 10ul, 50ul, 100ul, 500ul, 1000ul.	1
Psychological Equipments			
1	Kane Learning Difficulties Assessment	Measures an individual's academic strengths and weaknesses in key areas, including reading, writing, math, listening, concentration, memory, organization, time management, oral presentation, self control, and anxiety.	1
2	Quality of life Questionnaire (QLQ)	The QLQ makes an ideal screener for employee assistance, wellness, stress, weight control and other change-oriented programs This is an important way to determine how the respondent feels about different parts of her or his life	1
3	NEO™ Personality Inventory-3 [NEO™ PI-3] Adult/Adolescent Comprehensive Kit	It is a concise measure of the five major domains of personality (Neuroticism, Extraversion, Openness, Agreeableness, and Conscientiousness) and the six facets that define each domain.	1

Sl. No	Item	Specification	Qty
4	Clinical Assessment of Attention Deficit-Adult™ (CAT-A™) Bruce A. Bracken & Barbara S. Boatwright	- Closely aligned with current diagnostic criteria, the CAT-A includes scales, clusters, and items that are sensitive to symptom presentation in differing contexts and as expressed as either internal sensations or overt behaviors.	1
5	Clinical Assessment of Attention Deficit-Children™ (CAT-C™) Bruce A. Bracken & Barbara S. Boatwright	The CAT-A consists of two parts: Part 1 (Childhood Memories) assesses the individual's memories of his/her behaviors and sensations as a child; and Part 2 (Current Symptoms) assesses parallel issues in adulthood.	1
6	House-Tree-Person (H-T-P)	- It is an ideal way to assess personality in individuals who are culturally different, educationally deprived, developmentally disabled, or non-English-speaking. H-T-P drawings are highly sensitive to the presence of psychopathology early in its development.	1
7	Rorschach Ink Blot Test - H. Rorschach	There are 10 cards in Rorschach ranging from black and white to multi coloured. subjects' perceptions of inkblots are recorded and then analyzed using psychological interpretation, complex scientifically derived algorithms, or both	1
8	MMPI®-2 Adult Interpretive System Version-4 (MMPI-2 AIS V4) Roger L. Greene, Robert C. Brown and PAR Staff	The program offers three interpretive reports for the MMPI-2, including a Codetype Report (similar to the report offered by Version 3), a Content-Based Report, and a Codetype/Content-Based Report	1
9	International Personality Disorder Examination (IPDE) ICD-10 Module - Armand W. Loranger	The IPDE Manual contains the interview questions to assess either the 11 DSM-IV or the 10 ICD-10 personality disorders. The two IPDE modules (DSM-IV and ICD-10) contain both a self-administered screening questionnaire and a semi-structured interview booklet with scoring materials	1
10	Thematic Apperception Test	It is an Indian adoption of TAT originally developed by 'Henry Murray' a method of revealing the dominant drives, emotions, sentiments, complexes and conflict of a person's personality.	1
11	Children Apperception Test (C.A.T.) Animal	It consists of 10 animal pictures in a social context involving the child in conflict, identities, roles, family structures, and interpersonal interaction. The supplement (C.A.T.-S) presents children with common family situations (i.e., prolonged illness, physical disability, mother's pregnancy, separation of parents).	1

Sl. No	Item	Specification	Qty
12	Child Abuse Potential Inventory (CAP)	It contains a total of 10 scales. The primary clinical scale (Abuse) can be divided into six factor scales: Distress, Rigidity, Unhappiness, Problems With Child and Self, Problems With Family, and Problems With Others. In addition, the CAP Inventory contains three validity scales: Lie, Random Response, and Inconsistency.	1
13	Symbolic Play Test	This popular standardised assessment enables professionals to observe children as they play with miniature toys in a variety of situations. This observation provides an objective indication of a child's early concept formation and symbolisation - abilities that precede and develop alongside receptive and expressive language	1
14	Nonverbal Stroop Card Sorting Test (NSCST) Kit	Nonverbal Stroop Card Sorting Test (NSCST) Kit is The first practical, nationally-standardized nonverbal Stroop Test for cognitive-process and neuropsychological assessment, useful for executive functioning assessment with those with language issues.	1
15	Neuro-psychological assessment battery (complete kit)	This battery helps in assessing complete neuro-psychological profile of the patient.	1
16	Stanford-Binet Intelligence Scales	This assessment has become widely known and is acknowledged as the standard for intelligence measurement	1
17	Wisconsin Card Sorting Test® (WCST)	It has been considered a measure of executive function because of its reported sensitivity to frontal lobe dysfunction. As such, the WCST allows the clinician to assess the following "frontal" lobe functions: strategic planning, organized searching, utilizing environmental feedback to shift cognitive sets, directing behavior toward achieving a goal, and modulating impulsive responding	1
18	Bhatia Battery of Performance Intelligence Test	It helps in assessing intelligence in people between age grp 11-16 years	1
19	Seguin Form Board Test	Assesses performance intelligence in age grp of 3-15 years	1

Sl. No.	Item	Specification	Qty
Pathology			
1	Cytocentrifuge	<ol style="list-style-type: none"> 1. The equipment should be a Bench-top centrifuge for cytology specimens. 2. The equipment should be capable of thin-layer cell preparation for retrieving cells from various body fluids especially paucicellular fluids and preserving their morphology 3. Should be capable of processing up to 12 specimens at one time. 4. Should be equipped with Biological safety cabinet for safety of the operator. 5. Auto-lid lock during rotation with a special lid release mechanism should be available. 6. Should be designed for easy disinfection and also have a wipe- clean control panel. 7. Should be resistant to fluid spillage on the electronic components with capped disposable sample compartments/ chambers for elimination of aerosol. 8. May have different sizes of disposable chambers. 9. Safety alarms during all stages of operation should be available. 10. Microprocessor based controls and programming for time and speed with pull-out program card for fast retrieval. 11. Should be compliant with international standards for electrical equipment requirements for laboratory use 220 V, 50Hz. 12. Speed 100 to 4,000 rpm 13. Noise levels < 50 Db 14. The equipment should be an automated slide preparation system that produces uniform thin layer slides for both gynecologic and nongynaecological sample processing which should remove obscuring blood, mucus; debris and also thoroughly mix the sample. 15. Processes about 80 samples per cycle with automatic chain-of-custody verification of patient samples. 16. Should be US FDA/ CE certified. 17. The equipment should be USA- FDA/European-CE approved. 18. The installment should be on a turn-key basis. 19. Instrument must come with online ups backup of minimum one hour. 20. The cost for CMC for 5 years after the warranty period must be quoted separately 	1
2	Automatic slide stainer	<ol style="list-style-type: none"> 1. High throughput robotic Stainer for Multiple staining applications and should run up to 11 slide racks in parallel. 2. Specimen slide throughput: at least 200 specimen slides per hour (depending on the selected program -up to 600 slides per hour} 3. Simultaneous staining of various different staining protocols. 4. Exactincubation times 5. Simple, menu-driven programming 6. Incubation times and sequence of use of reagent stations must be freely programmable as per user's choice 7. Solvent resistant screen to monitor the staining process. 8. Racks should be assigned to the correct Staining Protocol. 9. Total 26 stations with 18 reagent stations and maximum 5 wash stations of at least 450ml capacity and slide racks with 30 specimen slide for high throughput 10. Programmable for 15 programs of upto 25 steps each with incubation time setting from 0 sec to 99 minutes 59 seconds. 11. Integrated oven with temperature setting from 30° to 65°C for optimal slide drying. 12. Continuous loading and unloading of slides via rack entry and exit door. Continuous slide unload I reload function without having to interrupt a staining cycle or open the lid 13. Specimen slide throughput of at least 200 slides per hour upto 600 slides per hour. 14. Agitation programmable from 0 to 20 times or continuous. 15. Reagent containers can be exchanged quickly and easily 16. Programmable up and down movement of robotic arm. 17. Integrated Fume extraction system having fan with charcoal filter to remove hazardous fumes. 18. Minimized user exposure to hazardous reagent fumes 19. Gentle vibration to slide rack during lifting to reduce carry over contamination. 20. Easy-to-clean and resistant surfaces made out of polyester epoxy resin and stainless steel. 21. Audible warning buzzer in case of any error during operation 22. Should be upgraded module; must have the provision to able to get attached to automated robotic cover slipper by just removing one side wall of stainer, making it a workstation platform. 23. Should be CSA, European CE, US-FDA certified. 	1

Sl. No.	Item	Specification	Qty
		<p>24. Should have dedicated Company Service Support/factory trained engineers only for East India with a team of service engineers</p> <p>25. AT least 8-10 Installations in East India with 50% in reputed Govt institutions/medical colleges/Govt Hospitals</p> <p>26. The instalment should be on a turn-key basis</p> <p>27. One line UPS with minimum 2 hour power backup and servo stabilizer.</p> <p>28. The cost for CMC for 5 years after the warranty period must be quoted separately.</p>	
3	deca head Olympus microscope	<p>1. Digital camera attachment with image analysis software.</p> <p>2. Colour camera supports advanced functions to capture high-quality images of samples. The camera combines a wide field of view with a diagonal length of 21 mm with full HD image resolution at 60 frames per second (fps). The Global shutter with CMOS exposes the entire pixel at once, eliminating distortion (even with a moving stage) and enabling users to acquire images quickly and easily.</p> <p>3. 42 inch LED screen for teaching.</p> <p>4. LCD and LED extension.</p> <p>5. Polarizer attachment.</p>	
4	Block Cabinet (10000 blocks)	<p>1. Block Cabinet made of mild steel duly powder coated.</p> <p>2. The internal drawers are also made of M.S. duly powder coated</p> <p>3. Each drawer having 4 to 8 compartments with capacity of 125 blocks approximately.</p> <p>4. Index card holder and handle are provided on each drawer Handle has been provided on front panel.</p> <p>5. The cabinet has door for dust free storage & is provided with lock & key.</p>	10
5	Slide Cabinet (10000 slides)	<p>1. Block Cabinet made of mild steel duly powder coated.</p> <p>2. The internal drawers are also made of M.S. duly powder coated.</p> <p>3. Index card holder and handle are provided on each drawer Handle has been provided on front panel.</p> <p>4. The cabinet has door for dust free storage & is provided with lock & key</p>	10
6	CAMERA	<p>New 5 MP Color Camera model EP50 with Image Sensor Color CMOS, Sensor Size 1/1.8 inch (7.140 mm × 4.980 mm), Resolution (Max.) 2592 × 1944 pixels (Snapshot only), 1920 × 1080 pixels (HDMI, WLAN, on PC), Pixel Size 2.4 × 2.4 μm, A/D Converter (Bit Depth) 8 bits, Exposure Times 1 ms – 918 ms, Live Frame Rates Snapshot only (2592 × 1944 pixels), Up to 30 fps (on PC, 1920 × 1080 pixels) Up to 60 fps (HDMI Output, 1920 × 1080 pixels) Up to 25 fps (WLAN Output, 1920 × 1080 pixels) Data Transfer HDMI, WLAN (using the WLAN adaptor), Ethernet (using the USB-to-Ethernet adaptor) Annotation Functions Text, Arrow, Rectangle, Circle, Measurement Functions: Line: Length measurement, Parallel lines, Circle: Diameter, area, perimeter measurement, Angle: Angle measurement, Rectangle: Area, perimeter measurement, Polygon: Area, perimeter measurement, Point: Coordinates, number and Scale bar. The camera is integrated with (1) EPview app for mobile devices, (2) EPview software for Windows OS, (3) OSD Software (OSD: On-Screen Display) for stand-alone operation offering intuitive controls of image acquisition and display, basic measurements and annotations as well storing functionality. Additionally, the onboard imaging software enables the EP50 camera to be controlled without a computer or a mobile device in stand-alone mode.</p>	1
7	Ultrapure Water purification system	<p>1. System should produce ASTM TYPE I [Ultrapure grade] & Analytical grade water directly from Potable tap water feed (as per WHO, EC, EPA and ISO) -</p> <p>a. Conductivity: < 2000 μS/cm @ 25°C</p> <p>b. pH: 4 to 10</p> <p>c. Temperature: 5 to 35 °C</p> <p>d. Free Chlorine: < 3 ppm</p> <p>2. System should include an OEM made pre-filter to take care feed water with TDS as high as 5000 ppm & SDI up to 50.</p> <p>3. Service should be offered directly from the OEM's engineer, provide contact details.</p>	1

Sl. No.	Item	Specification	Qty																				
		<p>4. Main System should have a pre-treatment cartridge with silver imprinted activated carbon & anti-scaling compound to protect the RO membrane against oxidation, scaling and plugging.</p> <p>5. High flux thin film composite polyamide RO membrane (MW > 200 Dalton) with 95-99% rejection</p> <p>6. RO pressure, RO water quality, RO membrane efficiency (% ion rejection) should be seen on display</p> <p>7. Conductivity cells before and after the RO Membrane and should have high recovery loop with capillary tube and diaphragm valve to reduce the wastage of feed water to comply National Green Tribunal (NGT) notifications.</p> <p>8. Auto regenerated Electro deionization module with Carbon beads at cathode.</p> <p>9. EDI (Electro-deionisation) module should not require softening pre-treatment.</p> <p>10. Coaxial resistivity cell with 0.01cm^{-1} cell constant for optimum measurement accuracy as required by ASTM@ D 1125-95 and comply USP <645></p> <p>11. To avoid maintenance errors and to improve traceability, the internal water purification cartridges should have a built-in RFID [Radio Frequency identification] tag.</p> <p>12. Large display with Auto diagnostic facility ensure real time Error Number/Code for complete traceability.</p> <p>13. 30L or more reservoir with air sanitization kit to store product ensuring the water quality</p> <p>14. OEM should have min 50 Installation in the Same State with a dedicated engineer.</p> <p>15. OEM should have CE, ISO- 9001 & ISO-14001 certification</p> <p>16. Optional data management and monitoring software ensure real time data reliability, traceability, and access to system history, needed for various world class accreditation.</p> <p>17. To ensure water quality minimum 3 Nos of conductivity and resistivity cell</p> <p>18. Application Specific cartridges to remove ionic and organic contaminants to trace levels</p> <p>19. Cartridge must attach to the water system without treaded fittings, screws, clamps, or locking tabs</p> <p>20. Optional 17 watt, low pressure mercury vapor lamp made of ultrapure quartz with dual wavelength (185 and 254nm). The lamp has an electro polished 316L ss housing</p> <p>21. To prevent deterioration of water quality during periods of non-use, the ultrapure water system will be able to recirculate water to maintain high water quality.</p> <p>22. Auto regenerated Electro deionization module with Carbon beads at cathode.</p> <p>23. Point of delivery unit with the polishing filters at the point of use. Final Filters Options:</p> <ul style="list-style-type: none"> a. Pharmaceutical grade, final filter with 0.22 micron membrane filter in stack disc configuration, b. Specific filter to remove volatile organics. c. Specific filter for trace organic applications. <p>24. Product water quality [ASTM Type I]</p> <table style="margin-left: 40px;"> <tr> <td>Resistivity</td> <td>: 18.2 MΩ-cm @ 25° C</td> </tr> <tr> <td>TOC</td> <td>: <10 PPb</td> </tr> <tr> <td>Product water delivery</td> <td>: >1.5 L/min</td> </tr> <tr> <td>Bacteria</td> <td>: < 0.1 cfu/ml</td> </tr> <tr> <td>Pyrogen Levels (EU/mL)</td> <td>: <0.001</td> </tr> <tr> <td>RNase Level (ng/mL)</td> <td>: < 0.01</td> </tr> <tr> <td>DNase Level (pg/μL)</td> <td>: < 4</td> </tr> </table> <p>25. Product water quality [TYPE II] (Analytical Grade):</p> <table style="margin-left: 40px;"> <tr> <td>Resistivity</td> <td>: > 5 MΩ-cm at 25 °C (typically 10-15 MΩ-cm @ 25° C)</td> </tr> <tr> <td>TOC</td> <td>: <30 PPb</td> </tr> <tr> <td>Product water delivery</td> <td>: 3 L/hr</td> </tr> </table> <p>26. Mandatory Requirement:</p> <ul style="list-style-type: none"> a. Minimum 10 appreciation letters from any government organization in India. b. Minimum 50 Installation in the Same State <p>Warranty – One Year.</p>	Resistivity	: 18.2 MΩ-cm @ 25° C	TOC	: <10 PPb	Product water delivery	: >1.5 L/min	Bacteria	: < 0.1 cfu/ml	Pyrogen Levels (EU/mL)	: <0.001	RNase Level (ng/mL)	: < 0.01	DNase Level (pg/μL)	: < 4	Resistivity	: > 5 MΩ-cm at 25 °C (typically 10-15 MΩ-cm @ 25° C)	TOC	: <30 PPb	Product water delivery	: 3 L/hr	
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Sl. No.	Item	Specification	Qty
8	Binocular Microscope	<p>a. Microscopes, binocular, with double nose piece, High power objective, 2 eye-pieces, mechanical stage and condenser 60, Oil immersion lens</p> <p>b. Stage movement (vertical) by co-axial coarse / fine roller guide (rack and pinion type). Coarse movement stroke: 20 mm tension adjustment on the right.</p> <p>c. Fine focusing knob (graduated).</p> <p>d. Quadruple revolving nosepiece (fixed)</p> <p>e. Plane stage 120 x 132 mm with mechanical stage right hand.</p> <p>f. Abbe condenser N.A 1.25 (Oil immersion), with aperture iris diaphragm.</p> <p>g. Vertical adjustment range: 10mm.</p> <p>h. Blue filter</p> <p>i. Built in 6 V 20 W illuminator/ LED light</p> <p>j. Dust cover</p> <p>k. Power cord</p> <p>l. Lamp 6 V 20 W halogen lamp (x2)/ LED light</p> <p>m. Objectives:</p> <p>i. Achromatic 4 x M (anti-fungus)</p> <p>ii. Achromatic 10x M (anti-fungus)</p> <p>iii. Achromatic 40x M (anti-fungus) spring</p> <p>iv. Achromatic 100x M (anti-fungus) spring, oil</p> <p>n. Eye piece: Two no.: 10 x 18mm (anti-fungus).</p> <p>5 year CMC</p>	150
9	Laboratory Counter five keys clay Adams	<p>a) Eight units record up to 999 with its own key</p> <p>b) At 100 increments, totalizing unit rings bell</p> <p>c) Two reset knobs</p> <p>d) Last unit is the totalizing unit, which records total number of strokes made on other keys</p> <p>e) Removable tabs on top of counter provide area for identification of classification being counted</p> <p>f) Must be ISI certified.</p> <p>5 year CMC</p>	100
10	Automatic timer	<p>a) One timing channel, beeps on completion of time.</p> <p>b) Digital display.</p> <p>c) Unbreakable plastic case.</p> <p>d) Standardized to NIST standards</p> <p>Must be ISI certified</p>	30
11	Stop watch reading at 1/5 second	<p>a) Plastic body,.</p> <p>b) Digital display.</p> <p>c) Unbreakable plastic case</p> <p>d) Minimum reading 1/5th of second.</p> <p>Must be ISI certified for accuracy</p>	10
12	Slide Staining Set	Designed for staining histological and cytological specimens. With up to 12 solution wells, each deep enough for total immersions of 1 x 3" microscope slides. The set comes complete with a metal frame and a snap on locking cover that protects from spills. The set consists of 10 white polypropylene dishes and two green solvent resistant dishes. Additional staining dishes and 24-slide holders with removable handles	10
13	Slide Staining Tray and Rack	The unit consists of four-bar racks which accommodates 22 slides (3" x 1"), and a slotted rack which accommodates 10 cover glasses. A stainless steel tray catches excess stain solution as it drains from the slides	100
14	Colorimeter	Standard	20
15	Autopipettes	Fixed 1ml Variable-20-200microl-	30 30
Endocrinology			
1	Stadiometer	Durable space age plastic components and it's a sturdy height rod, accurate to 6ft., 6 In. All the pieces fit neatly into the light-weight footplate, Pieces are coded, so assembly is easy. This portable stadiometer (height rod) is the perfect travel companion, Measurement range - 10"-78" (200cms).	1

Sl. No.	Item	Specification	Qty												
		Guadautions - 1/8" (1mm.)													
2	Skin Fold catheters	Harpenden skin fold caliper to assess degree of fatness girth measurement of small joints. It is being used in numerous clinical studies over the past 25 years, Recent enhancements to to the caliper include an increased jaw opening to facilitate measurement of skin folds and the girtjh measurement of skin folds and the girth measurement of small joints. Harpenden UK Made measurement range 0-80mm resolution of measurement 0-2mm, contact tip made of SS	1												
3	Hertel's Exophthalmometer	Heavy Duty has metal construction for many years of use. Overall dimentions are 25x7x2 cms. Weight is 216 grams. Scale for orbital wall goes from 75mm to 121 mm. The scale to measure the proptosis ranges from 0 to 35mm. Includes a metal case and instructions.	1												
4	Weighing Machine	Adult	4												
5	Ophthalmoscope	Standard	3												
6	Orchidometer	Holtain UK Made PraderOrchidometer : This consists of a beads chain of 12 testis models having defined volumetric capacities, as follows :- 1,2,3,4,5,6,8,10,12,15,20,25 ml.. The beads are compared with the testicles of the patient, and the volume is read off the head which matches most chosely is size .Prepubertal sizes are 1-3 ml. Pubertal sizes are considered 4 ml. and up and up and adult size are 12-25 ml.. The orchidometer can be used to accurately determine size of testes. Discrepancy of testicular size with other parameters of maturation can be an important clue to various diseases	3												
7	Refrigerator	300 Liters	1												
8	Deep Fridge	Standard	1												
9	Centrifuge Machine	<p>SALIENT FEATURES</p> <ul style="list-style-type: none"> Digital Speed Indicator Stepless speed regulator 0-60 minutes digital countdown timer 0-15 minutes digital countdown timer Safety Lid interlock to prevent cover opening during centrifugation Press Switch for quick acceleration to full speed <table border="1"> <tr> <td>Max. Speed</td> <td>rpm</td> <td>5250</td> </tr> <tr> <td>Max. RCF</td> <td>'g'</td> <td>3600</td> </tr> <tr> <td>Max. Capacity</td> <td>ml</td> <td>400</td> </tr> <tr> <td>W x D x H</td> <td>mm</td> <td>365 x 415 x 350</td> </tr> </table> <p>Swing out Heads (with graduated glass tubes) :16 x 15 ml, 12 x 15 ml, 8 x 15 ml, 6 x 50 ml, 4 x 50 ml</p>	Max. Speed	rpm	5250	Max. RCF	'g'	3600	Max. Capacity	ml	400	W x D x H	mm	365 x 415 x 350	1
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10	Cold Centrifuge	<p>24 head centrifuge</p> <ul style="list-style-type: none"> Bench top centrifuge to separate serum from blood and PCV,Cytology tests etc. Heavy duty C.R.C. construction finished with powder coating . Max. speed 2850 RPM and RCF 1325xg. Machine can run throughout the day continuously . No displacement on bench ,No vibration as motor fitted on anti vibration pads. Should have Low noise, less than 58 bars . Should be Fitted with brushless motor ,Brushless means motor without carbons. Should have Brushless motor are without maintenace free which can run upto 8hrs continuously without stop. Should have Warranty for 5years on Brushless Motors. 	1												

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		<ul style="list-style-type: none"> Should have Warranty for 18 Months on other part including electronic. Should be Fitted with swing out rotor ,swing out means centrifuge tube run horizontally like fan at 900. Should have Double walled ABS injection moulded lid which is light weight to avoid accident. Should be Fitted with microprocessor based pre programmable speed controller to control speed from 500-2850 r.p.m. in thee interval of 250 R.P.M. Max. R.C.F. 1325xg. Should have Timer 0-59 minute and can be set in the interval of 1minute. After the time is over a beap sound will come . Last parameters recall automatically . 24 Hole for 15ml Centrifuge Tube 15ml Swing Out Type Rotor Head EUROPEAN CE certified. To work on 220 Volts 50Hz- AC .Motor :500 Watt Approx. Supplied with Instruction manual ,cord and plug ,head puller, dust cover, spanner to pull out rotor head 																																					
11	Compound Microscope	<p>Standard microscope set complete with Binocular head, integrated 6V20W halogen light illuminator, Anti-Fungal coated Achromatic Objectives iNEA 4x,10x,40x (spring)&100x (oil,spring), paired wide field eye pieces iCWHK10x(F.N.18).</p> <p>Features : Anti-fungus treatment optics for tropical durability, Achromatic Objectives, Abbe condenser with high performance aspheric lenses for bright & uniform illumination throughout the field of view, Window in arm for convenient carrying & Ergonomic design for user convenience, SMPS power supply for flicker free Illumination etc.</p>	1																																				
12	Scientific Balance	Standard	1																																				
13	UPS	3 KVA for 60 Minutes back Up	1																																				
14	Hot Air oven	<p>LABORATORYOVEN(Natural Convection):250⁰C</p> <table border="1"> <tr> <td>Certification</td> <td>CE Certification</td> </tr> <tr> <td>Construction</td> <td>Double walled construction.</td> </tr> <tr> <td>Insulation</td> <td>3"Highgradeglasswoolinsulation.</td> </tr> <tr> <td>Heating System</td> <td>Heating elements made from the best quality Kanthal DSD wire are used on</td> </tr> <tr> <td>Safety</td> <td>Safety cum stand by thermo statto cutoff the Heater supply incase of over shoot of temperature.</td> </tr> <tr> <td>Door</td> <td>Single door with asbestos sgasket,fitted on heavy castandchromiumplatedbrasshinges</td> </tr> <tr> <td>Trays</td> <td>Adjustable Stainless steel Rod trays.</td> </tr> <tr> <td>Supply</td> <td>230VAC,SinglePhase,50Hz</td> </tr> </table> <p>SPECIFICATIONS:</p> <table border="1"> <tr> <td>Standard Model</td> <td>InsideS.S.304mirror finish & Outer Mild steel (CRCA)sheet with powder coated.</td> </tr> <tr> <td>Temperature Range</td> <td>5⁰caboveambient to250⁰c</td> </tr> <tr> <td>Temperature Accuracy</td> <td>±0.5⁰C</td> </tr> <tr> <td>Control System</td> <td>Imported micro processor based autotuned PID controller With CE mark & dual display Of set value &process value for precise control of temperature.</td> </tr> </table> <table border="1"> <thead> <tr> <th>Capacity Ltrs</th> <th>Internal size HxWxDcm</th> <th>Trays</th> </tr> </thead> <tbody> <tr> <td>43</td> <td>35x35x35</td> <td>2</td> </tr> <tr> <td>91</td> <td>45x45x45</td> <td>2</td> </tr> <tr> <td>122</td> <td>60x45x45</td> <td>3</td> </tr> </tbody> </table>	Certification	CE Certification	Construction	Double walled construction.	Insulation	3"Highgradeglasswoolinsulation.	Heating System	Heating elements made from the best quality Kanthal DSD wire are used on	Safety	Safety cum stand by thermo statto cutoff the Heater supply incase of over shoot of temperature.	Door	Single door with asbestos sgasket,fitted on heavy castandchromiumplatedbrasshinges	Trays	Adjustable Stainless steel Rod trays.	Supply	230VAC,SinglePhase,50Hz	Standard Model	InsideS.S.304mirror finish & Outer Mild steel (CRCA)sheet with powder coated.	Temperature Range	5 ⁰ caboveambient to250 ⁰ c	Temperature Accuracy	±0.5 ⁰ C	Control System	Imported micro processor based autotuned PID controller With CE mark & dual display Of set value &process value for precise control of temperature.	Capacity Ltrs	Internal size HxWxDcm	Trays	43	35x35x35	2	91	45x45x45	2	122	60x45x45	3	1
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COMMUNITY MEDICINE			
1	Ultra low temperature Deep Freezer	<ol style="list-style-type: none"> 1. Capacity at least 400-450 litter. 2. Operating temperature from -50 degree Celsius up to -80 degree Celsius with 1 degree Celsius increment. 3. Power consumption \leq 11 kWh per day 4. Construction should be of Polyurethane foam (130mm thick insulation 9MAC) 	1
2	MiniFuge Micro Centrifuge	<ol style="list-style-type: none"> 1. Maximum Speed, RPM-6000 Capacity-8 x 1.5/2.0 ml tubes 3. Permissible Relative Humidity-8 x 1.5 / 2.0 ml tubes Neuation 	2
3	Pulse Oximeter	<ol style="list-style-type: none"> 1. Dimensions: 6x3x3 cm 2. Wt: 78 gm 3. Records, SPO2, pulse rate, perfusion index, respiratory rate 4. Battery operated 	6
4	Digital BP Instrument	<ol style="list-style-type: none"> 1. Micro USB and battery operated 2. 22-42 cm conical cuff 3. Memory storage and recall 4. Backlit display 	6
5	Diagnostic Spirometer	<ol style="list-style-type: none"> 1. Portable 2. Large TFT screen for display 3. Measures FVC, PEF, FEV, etc Battery power display 5. Automatic Power off 	2