

OFFICE OF THE CHIEF DISTRICT MEDICAL AND PUBLIC HEALTH OFFICER: GANJAM

CENTRAL STORE, BRAHAMAPUR

Letter No.

299

/CS/2024

Brahmapur

Dated.

03/01/2024

TENDER NOTICE

Sealed Tenders in prescribed format are invited from the Manufacturers/ Firms/ Companies/ Authorized Distributors/ Agents for supply of Medicines, Medical Consumables, Surgical Sutures, Laboratory Reagents, Laboratory Consumables, Instrument's, Equipment's, Furniture & Fixtures for Ganjam District out of 10% Fund, District Mineral Foundation Fund (DMF), NHM Fund, State Budget Fund, MP-LADS Fund, MLA-LADS Fund, XV-FC, AMA Hospital & Other Funds.

The Bidders should submit in two separate sealed packets i.e. one for Technical Bid and another for Financial Bid to be superscripted on the cover of the packets separately for Ganjam District. The list of all the items with detail specification, eligibility criteria and Tender Terms and Conditions may be downloaded from District website www.ganjam.nic.in.

The sealed Tender will be received through Speed Post/ Reg. Post only on or before 03.02.2024 till 5.30PM by CDM&PHO, Ganjam, Brahmapur and the said tender will be opened on 05.02.2024 at 11.00AM in presence of Bidders or their Authorized Representatives in the office of CDM&PHO, Ganjam and absence of any of them will not be bar to open the quotation. Tenders received incomplete or after the scheduled date & time shall be rejected.

Rate should be quoted for each item in F.O.R destination including all incidental charges, GST.

The undersigned has reserve right to reject any or all tenders without assigning any reason thereof. All legal disputes if any relating to the quotations are subject to Jurisdiction in the Court of Law situated at Brahmapur, Ganjam, Odisha only.

CHIEF DISTRICT MEDICAL &
PUBLIC HEALTH OFFICER
GANJAM, BRAHAMAPUR

TENDER TERMS AND CONDITIONS

1. Tenders should be Type Written or Computerized and every correction in the tender should invariably be attested with signature by the tenderer with date before submission.
2. Every page submitted by the tenderer should be numbered at the top & same page number should be put in the check list.
3. Rates quoted by bidders of Black listed manufacturing firms will not be considered & the Bidders should submit an under taking that the items manufactured by the firms quoted by them are not black listed.
4. Samples of medical consumables, Instruments and Equipment's will be verified before placing purchase orders if required.
5. **The bidders shall be solely responsible for checking these websites at least 5 days prior to closing date of submission of tender for any addendum/amendment issued subsequently to the bid document and take into consideration the same while preparing and submitting the bids.**
6. Bidders are advised to quote only for such items which meet the specification as per the Tender. Do not quote if it differs with regard to any parameter.
7. The actual quantity may vary from zero to the maximum required quantity during the contract. The quantity will be drawn from successful tenderers as and when required from time to time during the contract period.
8. During the validity of the tender, if the firm / Company is blacklisted/debarred/de-registered/banned by any State Government/ Central Government / Central or State Government's Drug procurement agencies / convicted by any Court of law in India, it shall be intimated to CDM&PHO, Ganjam along with relevant authentic document by the tenderer firm/ company within one month.
9. During tender or Rate Contract period, if L1 bidder is debarred/deregistered /blacklisted/ banned by any Central Government or State Government or its procurement agencies due to quality failure, CDM&PHO, Ganjam may purchase the approved items from other bidders at L1 rate or negotiated rate or may go for fresh tender as per discretion of CDM&PHO, Ganjam.
10. The Tenderer should confirm that they have read tender document including Amendment(s) to Tender document (if any) along with terms and condition and these terms and condition of tender document including Amendment(s) to Tender document (if any) are acceptable unconditionally to them.
11. During the contract period at any stage, if certificate submitted with their bid is found fabricated/forged/not complying products manufactured by manufacturing units having approval of the any agency for ISO/ CE/ EC/ FDA as declared in tender, penal action shall be taken as per the tenderterms and condition and in addition to penal action, recovery shall be made (if any).

12. In determining the lowest evaluated price, the rate quoted per unit size for the given specification, inclusive of GST shall be taken into consideration. **The rates quoted should be in rupees and paisa up to 2 digits.** The Tenderer is not permitted to change/alter specification or unit size given in Price Bid.
13. Purchase orders will be placed to Authorised Distributor and Bills can be raised by Authorised Distributor if specifically authorized by the Manufacturer.
14. The rate contract once approved should remain valid for one year from the date of approval. Prior to the expiry of the bid validity, the Tender Inviting Authority may request the Tenderers to extend the bid validity for further period as deemed fit on their original quoted prices and all terms & conditions
15. Rates (inclusive of customs duty, packing & forwarding charges, transportation, insurance and any incidental charges, and inclusive **GST** should be quoted for each of the required items on door delivery basis (at SDH, CHC's, PHC's & Sub-centers of Ganjam District) according to the unit ordered. Tender for the supply of items with cross conditions like "AT CURRENT MARKET RATES" shall not be accepted. Handling, clearing, transport charges etc., will not be paid separately. The delivery should be made as stipulated in the purchase order placed with Tenderers.
16. The price quoted by the tenderers shall not, in any case exceed the DPCO controlled price, if any, fixed by the Central/State Government, the Maximum Retail Price (MRP) and the selling price of the tenderer.
17. All supply should be made within the stipulated time of the Delivery Schedule and quantity as mentioned in the Purchase Order.
18. If the supply reaches the beyond the stipulated time as mentioned in PO/Bid document, liquidated damages will be levied at the rates 2% per week or part thereof, subject to maximum of 10% irrespective of the fact that whether the CDM&PHO, Ganjam has suffered any damage/loss or not, on account of delay in effecting supply.
19. If the supply is received in damaged condition it shall not be accepted. The supplier shall have to replace the goods with damage and the penalty equal to the penalty for unexecuted supplies will be levied for the damaged goods and payments will be withheld till proper replacement.
20. Non-performance of any of the contract conditions and provisions will disqualify a firm from participating in the tender for the next 2 years/ Blacklisting the tenderer.
21. Other conditions as mentioned in Tender Call Notice are applicable.

COMMON ELIGIBILITY CRITERIA

1. The Bidders should enclose attested copy of PAN card, GSTIN Certificate.
2. Tender document fee of Rs. **2,500/-** in shape of Demand Draft in favour of **“ZSS (MISC.) Account, Ganjam (30249462288), IFSC Code - SBIN0005753”** to be enclosed with tender paper which is non-refundable.
3. An Account Payee Demand Draft for Rs. **20,000/-** only as E.M.D. Money in favor of **“ZSS (MISC.) Account, Ganjam (30249462288), IFSC Code - SBIN0005753”** to be enclosed with tender paper who apply for Medicines, Medical Consumables, Surgical Sutures, Laboratory Reagents, Laboratory Consumables, Instrument's, Equipment's, Furniture & Fixtures, Computer, Peripherals & Electronics Devices which will be returned to the unsuccessful Bidder and D.D of successful Bidders will be returned after completion of one year.
4. Name & full address of the bidder may be written at the back of the Demand Draft.
5. Tender Paper Cost & EMD in any other form like **Cheque/cash/postal order/ online transfer etc. will not be accepted. The Bid (in case not exempted for EMD as mentioned in tender document) without EMD shall be summarily rejected.**

Note: Micro & Small Enterprise (MSE) are exempted from the payment of EMD as per MSEs Order, 2012 and policy Circular No. 1(2)(1)/2016-MA, Ministry of MS & ME dated 10th March 2016 if valid registration certificate from NSIC/MSME is submitted self-attested copy with Technical Bid for the product for which bidder has submitted quotation.

ELIGIBLE CRITERIA

FOR SUPPLY OF MEDICINES, MEDICAL CONSUMABLES & LAB. CONSUMABLES

1. The Bidder should be a Manufacturer or Authorised Distributor.
 - I. Manufacturer having:
 - a. Valid Up to date Manufacturing License.
 - b. Valid up to date GMP/ WHO GMP.
 - c. 3 Years' experience in supplying Drugs to Govt. / Corporate / PSU Hospitals in India duly supported by certificate from concerned District Authority and 2 Nos. of purchase order copy from the concerned authority to proof the supply for complete year
 - d. The manufacture must be USFDA/CE (IVD) certified (applicable for Lab. Reagents).
 - e. The manufacturer should be ISO 13485 certified (applicable for Lab. Reagents).
 - II. Authorised Distributors are also eligible if they submit the following documents:
 - a. Authorization from the Original Manufacturer for this tender.
 - b. Tenderer should have proof of 3 years' experience in supplying Drugs to Govt. / Corporate / PSU Hospitals in India duly supported by certificate from concerned District Authority and purchase order copy from the concerned authority for supply.
 - c. Valid Manufacturing License of the product quoted with latest license renewal certificate (**Note: If Manufacturing License for the quoted product is issued under "for export only" category will not be accepted.** Bidders shall submit dully attested copies of required manufacturing license and approved product list in support of above-mentioned condition and they are required to specify the quoted product in their approved product list by highlighting it.)
 - d. Approved product list as per the license issued for quoted drugs.
 - e. Valid up to date GMP / WHO GMP of the products quoted.
 - f. The manufacture must be USFDA/CE (IVD) certified (applicable for Lab. Reagents).
2. The annual Average turnover of the Bidder should be Rs. 3 Crore or more per Annum during the last Three Financial year certificate duly filled and signed by Chartered Accountant.(2019-20, 2020-21 & 2021-22)
3. Valid ISO & CE/ EC Certificate (if any).
4. An undertaking must be submitted on the items manufactured by the firms quoted by the bidders are not black listed.
5. An undertaking must be submitted on the Bidders/Firm not Blacklisted by any Authority.

Terms And Conditions

For Supply of MEDICINES, MEDICAL CONSUMABLES & LAB. CONSUMABLES

1. Supply of medicines, medical consumables, as per the details of specifications as mentioned in Financial Bid.
2. All the Tablets/ Capsules must be supplied in Blister/ Aluminium Packing.
3. Atleast ½ (50%) shelf life should be there by the time it is received at the Drug Ware House.
4. At the time of supply the Supplier must submit a test report of the Batches being supplied from approved Laboratory that the supplied Medicines & Consumables are of standard quality.
5. The District Authority will also do random testing of the supplied medicines in NABL approved laboratory for which quality testing, packing & forwarding charges if any will be borne by the supplier in case of tender items.
6. The supply should be made in good packing condition & labeling “ODISHA GOVT. SUPPLY NOT FOR SALE”.
7. Tender has been called for in the **Generic name of drugs**. The composition, strength and packing of each product should be as per specifications given. Any variation, if found, will result in rejection of the tender

ELIGIBILITY CRITERIA
FOR MEDICAL INSTRUMENTS & EQUIPMENTS

1 Manufacturing units / Importers are eligible to participate in the tender provided, they have

- (i) Valid manufacturing license (Original Equipment Manufacturer) / Import License. Importers will have to furnish the authorization from the manufacturer.
- (ii) Valid ISO certificate.
- (iii) Product must be BIS/CE / US FDA etc Certified (As per **Section V** - technical specification).
- (iv) Tenderer should have proof of supply of ten (10) or more quoted model or similar model to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies and certificate in support of that from the user in last 3 years. (Annexure VII)
- (v) Proof of Average annual turnover of the Bidder firm of Rs.3 Crore or more in last three (3) financial years in India (Annexure VI).
- (vi) Proof of compliance with IEC Certificate (As per **Section V** - technical specification) -Medical Electrical Equipments, particular requirement for Electrical Safety of the equipments.
- (vii) Proof of manufacturing these equipments from last 3 years at least (Certificate of Incorporation of the manufacturer / Registration Certificate.
- (viii) 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.

2. Authorized distributors are eligible to participate in the tender provided:

- (i) They submit manufacturer's authorization and power of attorney to transact business on behalf of the manufacturer as per the format at **Annexure - V**. The authorized distributor may raise bill, if specially authorized by the manufacturer.
- (ii) They should have proof of Average annual turnover of **Rs.3 Crore or more** in last three (3) financial years in india (as per Annexure VI).
- (iii) Tenderer should have proof of supply of quoted instruments/equipments to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies and certificate in support of that from the user in last 3 years. (As per format 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
 - b) Valid CE / US FDA etc of the manufacturer as per technical specifications Section

TENDER CONDITIONS
FOR SUPPLY OF MEDICAL EQUIPMENT

- 1) The details of the medical equipment's with specifications are mentioned in **Section-V. The firm must clearly mention their specification, special features, upgraded version (if any) in their tender.**
- 2) Rates inclusive of excise duty / customs duty, GST, packing, forwarding, insurance, transportation charges with onsite warranty should **be quoted for the Equipment's (Item wise) on door delivery basis. The turnkey job (cost of accessories if any for Installation/Commissioning), 3 year CMC cost & GST 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.
- 3) The purchaser shall be eligible for payment only after delivery and due verification, installation and commissioning of the equipment.
- 4) The rate per unit packing shall not vary with the quantum of order placed for destination point.
- 5) The price quoted by the tenderers shall not in any case, exceed the controlled price, if any, fixed by the Central / State Government and the Maximum Retail Price (MRP).
- 6) If at any time during the period of 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 C.D.M&P.H.O, Ganjam, Odisha immediately about such reduction in the contracted price. The C.D.M&P.HO, Ganjam, Odisha 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.

COMPREHENSIVE WARRANTY & CMC :

(Undertaking as per **Annexure – XI & XII**)

1. The comprehensive warranty will remain valid for 2 years from the date of installation & commissioning of the equipment. The original copy of warranty documents will be submitted to the consignee and photocopy of that to C.D.M&P.H.O, Ganjam after installation.

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.
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.
4. **CMC:** The tenderer shall also commit to provide offer for CMC (**Labour + all spare**) for the next three (3) years after two (2) 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 **two (2)** preventive maintenance in every **six months** during the period of CMC.
5. The selected firm should have a service center in Odisha.
6. All the warranty certificates must be handed over to the consignee after installation.

TRAINING & OPERATIONAL MANUAL:

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 within 15 days of installation of equipment.
2. The supplier / firm will provide the operational / maintenance manuals and tools (if required) of all items, equipment's & turnkey to the consignee at the time of installation.

UPTIME GUARANTEE:

UP-TIME BALANCE:

The Supplier (s) shall provide guarantee 95% uptime during comprehensive warranty period i.e. for 2 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:

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 vendor must undertake to supply all spares for optimal upkeep of the equipment for **TWO YEARS** after installing the unit in the institute. If accessories / other attachment of the system are procured from the third party, then the vendor 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 institute 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.

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:

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.

1. 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.
2. Local agents / distributors quoting on behalf of the manufacturer / importer must attach the authority letter in their favour.

LOGOGRAMS AND LABELLING : Tenderer for the supply of medical equipments shall give an undertaking in his tender that he will print “**Govt. of Odisha Supply - Not For Sale**” in bold letters in inedible ink on the equipment.

EVALUATION:

1. The rates of the item quoted by the tenderer who qualify technically will be evaluated after taking the following points into consideration: -
 - a) Rate of the medical equipment's will be taken after inclusion of the excise duty / customs duty, transportation, insurance, packing & forwarding & comprehensive warranty for two (2) years, cost of turnkey (cost of accessories if any for installation/commissioning) & CMC for next three(3) years but excluding GST.
 - b) The cost of the medical equipment's (excise duty / customs duty, transportation, insurance, packing & forwarding & comprehensive warranty for two (2) years but excluding GST), cost of turnkey (cost of accessories if any for installation/commissioning with all taxes for turnkeys) & cost of CMC for next three(3) years after warranty will be added and the lowest responsive bidder will be selected.
 - 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.

LIQUIDATED DAMAGE :

1. The C.D.M&P.H.O/C.M.O 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) upto a maximum 2% on the value of the goods.
2. If the supplier fails to complete the supply within the extended period, i.e. 88 days after being allowed by the C.D.M&P.H.O, no further purchase order will be placed to the firm for the said item 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 :

1. No advance payments towards cost of medical equipment's or turnkey job will be made to the tenderer.
2. 95% of the cost of the equipment (**excluding CMC Cost**) + 100% turnkey job + 100% tax shall be paid to the supplier on receipt of the stock entry certificate,

installation and demonstration of the item from the consignee. The balance 10% of the payment of equipment will only be made after receipt of certificate on working status of the equipment from the consignee after 6 weeks of installation and commissioning of the equipment for which, the supplier has to raise two bills (A) one for 95% of the cost of the equipment + 100% turnkey job + 100% taxes (B) the other for balance 10% of the cost of the equipment.

3. Payments as mentioned above will only be made after keeping the **performance security deposit** from the supplier as per clause no. 7.1.1, if they have not deposited the same before. Payment will only be made after handing over the Agreement, undertaking, warranty papers of equipment and turnkey jobs to the consignee and a letter to this effect should be submitted to the payment authority from the consignee.
4. No claims shall be made against the C.D.M&P.H.O, Ganjam in respect of interest on earnest money deposit or security deposit or any delayed payment or any other deposit.
5. Payments will be preferably made in shape of **e-payment / on-line transfer** or made in shape of Cheque which will be be dispatched to the supplier by Registered post with A.D or may be handed over to the authorized person of the supplier.
6. The payment of CMC will be made on a six monthly basis, after completion of warranty period and signing of the CMC agreement.

PENALTIES:

1. If the successful tenderer fails to deposit the required 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 & security deposit submitted by him along with his tender shall stand forfeited by the C.D.M&P.H.O, Ganjam, Odisha by reasons of such breach, such as failure to supply / delayed supply.
2. Violating the tender terms and conditions & non supply / supply of Not of Standard Quality equipment will disqualify the firm to participate in the tender for a period of 2 (two) years from the date of issue of letter and his E.M.D &

security deposit will be forfeited and no further purchase order will be placed to that firm for that item.

3. In the event of any dispute arising out of the tender, such disputes would be subject to the jurisdiction of the Civil Court of the Concern District or High Court of Odisha.

Inspection /Testing :

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 equipment's at the supply point to check their conformity to the specifications and other details incorporated in the contract.

TECHNICAL BID :

The following documents should be enclosed in Cover "A" (Technical Bid) by the tenderer. All the photocopies are to be Self Attested.

1. Checklist with detail of the documents enclosed in **Cover "A"** (as per **Annexure - I**) with page number. The document should be **serially arranged** as per this **Annexure - I** and should be securely tied and bound.
2. List of Item (s) Quoted with name of the Make & Model of the item (s) (**Annexure – II**)
3. Details name, address, telephone no., Fax, e-mail of the manufacturer / authorized distributor / service center / contract person / office in Odisha (**Annexure - III**).
4. The declaration form in **Annexure - IV** duly signed by the tenderer before Notary Public / Executive Magistrate.
5. Manufacturer's Authorization Format in **Annexure –V** (In case the bidder is not the manufacturer)
6. Certificate duly filled by the Auditor / Chartered Accountant (as per **Annexure – VI**) that the average annual turnover of the tendering firm is Rs.3 Crore or more in the last 3 (three) financial years.
7. Performance Statement (**Annexure - VII**) (**Item wise**) during the last three years towards proof of supply of (10) or more quoted model or similar model to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies. The copy of Purchase orders and certificate from the user should be furnished in support of the information provided in the performance statement.
8. Deviation/No Deviation Statement from Technical Specification & details of technical specification of the product (**Annexure-VIIIA**)

9. Leaflet/Technical Brochures of the product/item offered.
10. Copy of Valid Manufacturing License of the manufacturer (s) / Import License by the Importer (also to be submitted by the authorized distributor).
11. Copy of Valid ISO certificate.
12. Copy of Valid ISI / CE /US FDA certificate (as per Section V-Technical Specification).
13. Copy of Certificate in support of IEC certificate (as per Section V-Technical Specification).
14. Copy of valid GSTIN certificate.
15. 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).

COVER – B (PRICE BID)

1. The tender format giving the quoted rate for medical equipment's should be sent in a separate sealed cover hereafter called **Cover "B" (Price Bid)**.

Cover –B (Price Bid) will be opened only of the tenderers who qualify in Technical Bid (Cover – A) and product is as per tender specification.

2. The tender format (Price Schedule) in duplicate in the prescribed form (as per **Annexure – IX** hard copy and soft copy must be submitted in Cover-B. The price of the item should be quoted inclusive of excise duty, GST, insurance, packing, forwarding, freight (door delivery), warranty for 2 years. The price of CMC for 3 years, turnkey job (cost of accessories if any installation), GST (if any) should be quoted in a separate column for the selected items as applicable. 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.**

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

3. The Cover "B" of tenderers who qualifies in their technical bid, will only be opened at the office chamber of the C.D.M.&P.H.O, Ganjam by the C.D.M.&P.H.O Ganjam in the presence of the tenderers or their authorized representatives.

REJECTION OF TENDER

The tender paper will be rejected, if any of the following documents are wanting / not submitted with the tender:

- (i) Manufacturing license of the manufacturer / Import License.
- (ii) Manufacturing authorization in case of distributor/importer
- (iii) Earnest Money Deposit (EMD).
- (iv) Annual Average Turnover of Rs. 3 Crore or more (Manufacturer/ Authorised Distributors) in each year for preceding 3 financial years.
- (v) Valid ISO certificate.
- (vi) Valid ISI / CE / US FDA certificate as per Section V – Technical Specification.
- (vii) IEC Certificate as per as per Section V – Technical Specification.
- (viii) Proof of supply/ installation of (10) or more quoted model or similar model to any Govt. Organization / Corporate Hospitals / PSU Hospitals / UN Agencies and certificate in support of that from the user during the last three years.
- (ix) Major deviations from the technical specification of the item(s) as per tender.
- (x) Price bid / quoted rate with signature and seal (Hard Copy).

SECURITY DEPOSIT : (Performance Security)

The performance Security should be submitted in shape of Bank Draft from a Nationalised Bank in favour of “**ZSS (MISC.) Account, Ganjam (30249462288), IFSC Code - SBIN0005753**” /Bank Guarantee equal to the amount of 2% of the purchase order value of the selected item within 21 days of issue of the purchase order.

- The agreement (as per Annexure – X) will be signed between the supplier and the consignee / purchaser and will be kept by the consignee. A copy of the agreement will be kept by the purchasing authority. The agreement must be submitted before the payment is released.
- The Performance Security will be returned back to the tenderer without interest after the expiry of the warranty period from the date of installation & signing of the CMC agreement if applicable.
- Performance Security will be forfeited if there is any violation of the tender terms and conditions.

ANNEXURES

**(Technical Bid, Price Bid, Agreement,
Undertaking for CMC)**

ANEXURE –I

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	Tender document Fee	Page No		Yes		No	
2	Earnest Money Deposit	Page No		Yes		No	
3	Photo copy of Drug License	Page No		Yes		No	
4	Photo copy of PAN	Page No		Yes		No	
5	Photo copy of GSTIN Certificate	Page No		Yes		No	
6	List of Item (s) – Annexure II	Page No		Yes		No	
7	Details of Bidder (in details (Annexure III)	Page No		Yes		No	
8	Declaration form (Annexure -IV) by the Tenderer	Page No		Yes		No	
9	Manufacturer's Authorization Format (Annexure – V)	Page No		Yes		No	
10	Proof of avg. Annual turnover of Rs. 3 Crore or more for preceding 3 financial years (Annexure - VI)	Page No		Yes		No	

Annexure II

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

LIST OF ITEM(S) QUOTED

Sl. No.	Name of the EIF	Authorization of Manufacturer	Make	Model	Compliance of specifications by OEM	CDSO licence for Manufacturing of the product	IS/ ISO Certification of the product	CE/ IEC (if applicable)	OEM's warranty on the product	Remark
1										
2										
3										
4										
5										

Signature of the Tenderer:

Date:

Official Seal:

ANNEXURE – III

(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		
E – Mail		
Date of Incorporation	Copy of Certificate of incorporation of Manufacturer / Registration Certificate	
Manufacturing License Nos. & Date	Copy of manufacturing license of Manufacturer)	
Name of the issuing authority		
Manufacture License valid up to		

Signature of the Tenderer:
with seal
Date :
Official Seal :

ANNEXURE – IV

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

DECLARATION FORM

I / Wehaving My / our
.....office at.....
do declare that I / We have carefully read all the terms & conditions of tender of the CDM&PHO,
Ganjam Odisha for the supply of tendered items. The approved rate will remain valid for a period of one
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 declared that I/We have not been de-recognised / black listed by any State
Govt. / Union Territory / Govt. of India / Govt. Organization / Govt. Health Institutions.

I/We further declare that the items manufactured by the firms and quoted by us are not black
listed by any State Govt. / Union Territory / Govt. of India / Govt. Organization / Govt. Health
Institutions.

Signature of the bidder :

Seal

Date :

Name & Address of the Firm:

ANNEXURE – V

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

MANUFACTURER’S AUTHORISATION FORMAT

To

The CDM&PHO, Ganjam
Deptt. of Health & Family Welfare
Govt. of Odisha.

Ref: Tender No. _____ Dated _____ for _____.

Dear Sir,

We, ----- are the manufacturers of -----
----- (name of equipment(s) having factories at -----
-----.

1. Messrs ----- (name and address of the agent) is our authorized _____(Distributor/Agent) for sale of our manufacturing equipments
2. We confirm that Messrs. ----- (name of the above distributor/agent) is authorized to submit a tender, and enter into a contract with for the above goods manufactured by us.
3. We also extend our full guarantee / warranty and also full back-up support for AMC/CMC as required by the purchaser.

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** 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.

ANNEXURE – VI

(To be furnished in the **letter head** of the Auditor)

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

ANNUAL TURN OVER STATEMENT

The Annual Turnover of M/s _____ for the last 3 years are given below and certified that the statement is true and correct.

Sl. No.	Year	Turnover in Crores (Rs.)
1.	2020 - 2021	-
2.	2021 - 2022	-
3.	2022 - 2023	-

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

Date:
Place:

Signature of Auditor/
Chartered Accountant
(Name in Capital)

Seal

Membership No.-

Registration No. of Firm

Note:

- a) To be issued in the **letter head** of the Auditor.

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

Annexure VII

PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last **three years**)

Sl.	Order placed by (Address of purchaser) (attach documentary proof)*	Order no. & Date	Tender Quoted Items Supplied (Yes/No)	Satisfactory completion certificate from the appropriate authority (Purchaser)
1				
2				
3				
4				

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.

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

Annexure VIII

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**.

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

Signature of the Bidder

Name :

Date :

Place :

Seal

ANNEXURE

(To be submitted in COVER B - PRICE BID)

To be submitted in Cover B – Price Bid

ANNEXURE-IX

TENDER FORMAT (PRICE SCHEDULE) (For Medical Equipments & Instruments only)

Sl. No.	Name of the Item (Item mentioned in tender document)	Specification (As per Annexure-A)	(With Name of the MFG. Make & Model)	Unit Price of One Set of Equipment's/ Instruments which includes GST /excise duty / customs duty, packing, insurance, forwarding / transportation (door delivery) with onsite warranty	CMC (excluding GST) for three years after expiry of warranty period (please mention on yearly basis) where as applicable	**Cost of Turnkey if any (all accessories for installation & commissioning including all taxes for turnkey in Rs. (Door delivery & installation) where as applicable	Cost of GST(CMC only) in Rs.	* Total Cost (Unit Price with CMC & Turnkey if any) (Inclusive of GST)
				Cost in Rs. (both in words & figures)				
					Applicable for selected items only			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9=5+6+7+8)
					1 st year: 2 nd year: 3 rd year: Total			

Signature of the Bidder:

Name

Seal

Date :

Place :

ANNEXURES

(Agreement, Warranty and CMC Undertaking)

ANNEXURE – X

AGREEMENT

THIS AGREEMENT IS MADE AT _____ THIS THE DAY OF _____ 201__

BETWEEN

Name of the Supplier
with full address

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

AND

The C.D.M.&P.H.O, Ganjam
Health & F.W. Department
Represented through the

_____ / THE CONSIGNEE
Hereinafter 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>Offered 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/GST
5. Charges for documents, instructions manual, tools
6. F.O.R. at the destinations mentioned in the consignee list
7. Training to doctors & technicians.
8. Maintenance of the system includes all accessories supplied and their spare parts required during comprehensive warranty period of two year at free of cost from the date of successful installation and satisfactory functioning of the system at the site.

9. Installation and commissioning of the system by the Supplier's engineer at site.
10. 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 3 (three) 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.

TERMS FOR PAYMENT :-

A. The payment(s) shall be made by purchaser in Indian currencies No advance payments towards cost of Instruments and Equipment's 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 amounting to 2% of the purchase order value which will be deposited in "**ZSS (MISC.) Account, Ganjam (30249462288), IFSC Code - SBIN0005753**" /**Bank Guarantee** with the warranty for 2 years agreement to the consignee.

95% of the cost of the equipment (excluding CMC Cost)+100% turnkey +100% GST shall be released to the supplier on receipt of stock entry certificate and installation certificate (that it is working) 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 (2% of P.O. Value). For this purpose the supplier will submit two bills, one 95% 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.

TURNKEY JOB:

The external power supply will be provided by the purchaser but the internal wiring and electrical fittings inside the room for installation & commissioning of the equipment and accessories will be provided by the supplier without any extra cost (This cost is to be included in the cost of turnkey).

UP-TIME BALANCE :

The Supplier (s) shall provide guarantee 95% uptime i.e. 41610 (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.

Up time guarantee - 0.95 x 8760 hrs. = 8322 hrs. per annum.

For 2 years warranty = 8322 x2 = 16644Hours

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 3 (three) years after the completion of 2 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.

PERT CHART :

Failure to stick to the pert chart will attract penal charges like forfeiture of performance security.

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 two (2) 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 tenderers shall clearly mention the price of the instruments / equipments inclusive of warranty for a period of 2 (two) years commencing from the date of installation. The tenderers shall submit undertaking for C.M.C (Comprehensive Maintenance Cost) for a period of 3 (three) years from 3rd year onwards duly signed by authorized 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 (2 years) during the CMC period.

COMPREHENSIVE WARRANTY :

This warranty shall remain valid for two (2) 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 (which will be decided by C.D.M.&P.H.O/C.M.O / S.D.M.O) 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.

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:

- a. a packaging note quoting the name of the purchaser
- b. the number and date of order
- c. nomenclature of the goods
- d. schedule of parts for each complete equipment giving part number with reference to assembly.
- e. Name & address of the consignee
- f. Name & address of the supplier.

TERMS OF CONTRACT :

The C.D.M.&P.H.O/C.M.O 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 C.D.M.&P.H.O/C.M.O 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 C.D.M.&P.H.O/C.M.O 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 on 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 C.D.M.&P.H.O/C.M.O and the tenderer shall be liable for all losses sustained by the C.D.M.&P.H.O/C.M.O 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 in the Court of Law situated at Brahmapur, Ganjam, Odisha only.

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

**WARRANTY / GUARANTEE /CMC UNDERTAKING
(to be submitted on Rs.20/- stamp paper)**

Tender ref. No. _____

Name of the equipment:

Date of Installation:

Name of the Consignee:

Name of the purchaser:

I / we / M/s _____

_____ hereby declare that

- i. I / we do Accept / Agree for the warranty / guarantee (onsite warranty followed by 3 years CMC (Spares + Labour) as per this tender
- ii. I / we will not charge / quote any extra price on account of the above said warranty / guarantee.
- iii. I / we do accept / agree to provide uptime guarantee 95% as per this tender clause No. 13.1.
- iv. The onsite comprehensive warranty is valid from dt._____ to dt._____.
- v. The 3 year CMC is valid from dt._____ to dt._____.

Date:
authority

Place:

Signature of the competent

on behalf of the company / firm.

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.

ANNEXURE – XII
UNDERTAKING

(to be submitted on Rs.20/- 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 onsite warranty followed by 3 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.
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.

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.

ELIGIBLE CRITERIA
FOR SUPPLY OF FURNITURE & FIXTURES

1. The Bidder should be a Manufacturer/ Authorised Distributor/Supplier/Registered Firm
2. Tenderer should have proof of experience in supplying Furnitures & Fixtures to Govt. / Corporate / PSU and purchase order copy from the concerned authority for supply.
3. The annual Average turnover of the Bidder should be Rs. 1 Crore or more per Annum during the last Three Financial year certificate duly filled and signed by Chartered Accountant.(2020-21, 2021-22 & 2022-23)
4. An undertaking must be submitted on the Bidders/Firm not Blacklisted by any Authority.

Terms And Conditions
FOR SUPPLY OF FURNITURE & FIXTURES

1. Supply of Furniture & Fixtures, as per the details of specifications as mentioned in Financial Bid.
2. Rates inclusive of excise duty / customs duty, GST, packing, forwarding, insurance, transportation charges with onsite warranty should **be quoted for the Items on door delivery basis**. The rates quoted should be in **Indian Rupees only**. Rates quoted in any other currency will not be accepted.
3. The purchaser shall be eligible for payment only after delivery and due verification, installation and commissioning of the items.
4. If there is difference between figures & words, words will be taken into consideration.
5. The price quoted by the tenderers shall not in any case, exceed the controlled price, if any, fixed by the Central / State Government and the Maximum Retail Price (MRP).
6. Delivery should be made within the Ganjam District HWC SC as mentioned in the Purchase Order.

ANNEXURE-A

**LIST OF MEDICINES, MEDICAL CONSUMABLES,
SURGICAL SUTURES, LABORATORY REAGENTS,
LABORATORY CONSUMABLES. INSTRUMENT'S.**

Sl No.	Name of the Item	Specification	Unit / Packsize	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	2	3	4	5	6	7	8
1	Haemocogulase drops		20 Bots / Box				
2	Cefadroxil Drop(Palatable, with dropper and plastic container as per I.P)	100mg/ml	10ml/Bottle 20 Bottle /Box				
3	Clotrimazole Vaginal Gel with applicator	CLOTRIMAZOLE 2% W/W	30gm/Tube 20 Tube/Box				
4	Susp. Tinidazole (Oral Susp.) (With Measuring Cap & Palatable, Plastic container as per IP)	150 mg/5 ml	60 ml/Bottle 20 Bottles/Box				
5	Syp. Diethylcarbamazine Citrate (Palatable, with measuring cap and plastic container as per I.P) Amber colour bottle	100mg / 5ml	100 ml/Bottle 20 Bottles/Box				
6	Tab. Diethylcarbamazine Citrate IP (Aluminium Foil)	50 mg / Tab	10 Tabs/Strip 10 Strips/box				
7	Lotion Fluocinolone Acetonide (Plastic Container as per IP)	Fluocinolone Acetonide 0.01mg/ml	15 ml/Bottle 20 Bottles/Box				
8	Oint Nitrofurazone USP (Polyglycol base)	0.2% w/v	500 gm/jar 20 Jars/Box				
9	Inj. Snake Venum Antiserum (Polyvalent)	10 ml/Vial (Lyphillised, Powder form)	10 ml/Via 20 Vials/Box				
10	Inj. Tetanus Toxoid (Adsorbed)	0.5 ml/Amp	0.5 ml/Amp 20 Amps/Box				
11	Inj. Anti Rabies Vaccine for Human Use (TCV) for ID use only	> 2.5 IU per vial (TCV of PVRV & / or PCEC only). Primary Cell Culture vaccine for both Intra- Muscular and Intra-Dermal use of 1ml with 1ml diluents. Packing: To be supplied with 1ml diluents and five (5)Nos. of 1ml Insulin Syringe (40units) with prefixed 26G intradermal needles per one vial along with one (1) number of 2ml reconstitution syringe with 24G needle (recent IS specification).	1ml/Vial 20 Vials/Box				
12	Inj. Human Anti-D Immunoglobuline	300mcg/1.5ml	1.5 ml/Amp 20 Amps/Box				
13	Inj. Hepatitis B Vaccine		5ml/Vial 20 Vials/Box				

Sl No.	Name of the Item	Specification	Unit / Packsize	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	2	3	4	5	6	7	8
14	Vit. E Drop (Palatable, with dropper and container as per I.P)	50mg/ml	15ml / Bottle 20 Bottles/Box				
15	Bleaching Powder	Not Less than 30% w/v Available Chlorine	25kg / Packet				
16	Borax Glycerin	12% w/v of Borax	50 ml/Bottle Bottles/Box				
17	Gentian Violet	Liquid with preservative	10ml / Bottle Bottle / Box				
18	Inj. Estradiol benzoate 1mg + Estradiol Phenylpropionate 4 mg + Testosterone propionate 20mg + Testosterone Phenylpropionate 40mg + Testosterone isocaproate 40 mg/1 mL.		Each				
19	Tab. Ethinyl Estradiol 0.004 mg + Methyltestosterone 3.6mg.		10 Tabs/ Strip 10 Strips/ Box				
20	Digital X-Ray Photo Film (CARESTREAM)	14" x 17"	150 Films/Pkt 1 Pkt				
21	Tab. Azilisartan	80 Mg	10 Tabs/ Strip				
22	Inj. Xylone 4% (Topical)	30 MI/ Vial	Each				
23	Inj. Pilocarpin	1MI/ Vial	Each				
24	Syp. Nevirapiene	Bottle	Each				
25	Plastic Box	Made up of thermoplastic Plastic attachable fixed lid. Colour: Transparent white. Should not be affected by normal extremes of heat or cold, Puncturing proof. Box Should be labelled as "ANAPHYLAXIS KIT" on top in bold letters. Size:15cm(Length) × 10cm(Breath) × 04cm(Height)	Each				
26	Dose Chart, Symptoms Hand outs, Certification copy	A4 Size 70-80 GSM Paper with both side printing	Each				
27	Tab. Norfloxacin 500mg + Metronidazole 400mg + LB	-	10 Tabs/Strip 10 Strips/Box				

Sl No.	Name of the Item	Specification	Unit / Packsize	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	2	3	4	5	6	7	8
28	INH 75 Mg	Each Isoniazid Tablet should contain Isoniazid IP 75 mg. Tablets should conform to the requirements of IP.	10 Tabs/ Strip				
29							
30	Tab. Clofazimine	100Mg	10 Tabs/ Strip				
31	Tab. Clofazimine	50Mg	10 Tabs/ Strip				
32	Tab. Isoniazid	75 Mg	10 Tabs/ Strip				
33	Haemocogulase drops		20 Bots / Box				
34	Stainless Stee Tank		Each				
35	Hydrochloride Cough Syrup	200 MI/ Bot	Each				
36	Dose Chart, Symptoms Hand outs, Certification copy	A4 Size 70-80 GSM Paper with both side printing	Each				
37	Tab. Norfloxacin 500mg + Metronidazole 400mg + LB	-	10 Tabs/Strip 10 Strips/Box				
38	Red, Black, Blue, Green & Yellow Biodegradable Bag	Biodegradable, HDPE/LLDPE/PP made with Virgin non- chlorinated material with minimum thickness of 55 micron, should be pre-printed as per Bio Medical waste Management Rules, Logo of biohazard must be printed. Size: H 13" × W 9"	Kg				
39	Digital X-Ray Cassette (CARESTREAM)	8" x 10"	Each				
40	Digital X-Ray Cassette (CARESTREAM)	10" x 12"	Each				
41	Digital X-Ray Cassette (CARESTREAM)	14" x 17"	Each				
42	Tab. Pyrazinamid	300 Mg	10 Tabs/Strip 10 Strips/box				

Sl No.	Name of the Item	Specification	Unit / Packsize	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	2	3	4	5	6	7	8
43	Tab. Cycloserine	250Mg	10 Caps/Strip 10Strips/Box				
44	Tab. Ethambutol	100 Mg	10 Caps/Strip 10Strips/Box				
45	Tab. Ethambutol	200 Mg	10 Caps/Strip 10Strips/Box				
46	Tab. Ethionamide	150 Mg	10 Caps/Strip 10Strips/Box				
47	Tab. Ethionamide	250Mg	10 Caps/Strip 10Strips/Box				
48	Inj. Kanamycin	1 Gm	20 Vials/Box				
49	Inj. Ketamine HCl	57.7 mg of Ketamine HCl Equivalent to 50 mg of Ketamine	20 Amp/ Box				
50	Inj. Thiopentone Sodium	500 mg/Vial	20 Vials/ Box				
51	Inj. Bupivacaine	5mg/ml	20 Amp/ Box				
52	Tab. Fexofenadine HCl (Aluminium foil/Blister pack)	120 mg/Tab.	10 Tabs/ Strip 10 Strips/ Box				
53	Tab. Phenytoin Sodium (Aluminium foil/Blister pack)	50 mg/Tab	10 Tabs/ Strip 10 Strips/ Box				
54	Inj. Noradrenaline	2mg/ml	20 Amp/ Box				
55	Susp./ Syp. Amoxicillin + Clavulanic (Palatable, with measuring cap and plastic container as per I.P)	Amoxycillin 400 mg + ClavunicAcid (57 mg)/ 5 ml	20 Bots/ Box				
56	Tab. Nalidixic acid (Aluminium foil/Blister pack)	500mg / Tab.	10 Tabs/ Strip 10 Strips/ Box				
57	Tab. / Cap. Itraconazole (Aluminium foil/Blister pack),	200mg/Tab. / Cap.	10 Tabs/ Strip 10 Strips/ Box				
58	Ornidazole Infusion, (FFS Plastic Container)	500mg/100ml	20 Ph.				
59	Tab.Cap. Hydroxyure (aluminium foil/Blister pack)	250mg/Tab./Cap.	10 Tabs/ Strip 10 Strips/ Box				
60	Inj. Erythropoietin(EPO)	4000 IU/PFS	20 Amp/ Box				
61	Cap. Nifedipine (Soft gelatin capsule)(Aluminium foil/Blister pack),	5 mg/Cap	10 Caps/ Strip 10 Strips/ Box				
62	Inj. Potassium Chloride	7.5 (Potassium Chloride 1.91gm is equiv. to 1gm of Potassium)	20 Amp/ Box				
63	Inj. Ephedrine HCl	30 mg/ml	20 Amp/ Box				

Sl No.	Name of the Item	Specification	Unit / Packsize	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	2	3	4	5	6	7	8
64	Tab. Nifedipine Sustained Release (SR)(Aluminium foil/Blister pack)	20mg/SR Tab.	10 Tabs/ Strip 10 Strips/ Box				
65	Tab. Amlodipine Besylate (Alluminium Foil/ Blister Pack)	2.5 mg/ Tab.	10 Tabs/ Strip 10 Strips/ Box				
66	Suspension or Syp. Drotaverine (With Measuring Cap and Dropper, Palatable) (plastic container as per I.P)	20 mg / 5ml	20 Bots/ Box				
67	Tab. Esomeprazole (Aluminium foil/Blister pack), (Enteric Coated)	20mg / Tab.	10 Tabs/ Strip 10 Strips/ Box				
68	Tab. Levo Thyroxin Sodium(Aluminium foil/Blister pack)	50 mcg/Tab	10 Tabs/ Strip 10 Strips/ Box				
69	Tab. Levo Thyroxin Sodium(Aluminium foil/Blister pack)	25 mcg/Tab	10 Tabs/ Strip 10 Strips/ Box				
70	Tab. Glimepiride	1mg/Tab	10 Tabs/ Strip 10 Strips/ Box				
71	Moxifloxacin Eye Ointment	0.5 percentage w/v	20 Ph./ Box				
72	Inj. Isoxsuprine HCl	5mg / ml	20 Amp/ Box				
73	Tab. Mifepristone (Aluminium Foil/Glycine Poly Foil/Blister pack)	200mg/Tab.	10 Tabs/ Strip 10 Strips/ Box				
74	Tab./ Cap. Micronised Progesteron (Aluminium Foil/Blister pack)	200mg/Cap.	10 Tabs/ Strip 10 Strips/ Box				
75	MMA Kit	EACH COMBI PACK (MMA KIT) CONTAINS : TAB. MIFEPRISTONE - 200MG (1 TABS) AND TAB. MISOPROSTOL 200MCG (4 TAB.)	Kit				
76	Inj. Vitamin B Complex (Therapeutic)	Each ml contains B1-10 mg, B2-4mg, B6-4mg, B12-8mcg ,Nicotinamide-40mg,D-Panthenol-6mg	20 Amp/ Box				
77	Tab. Vit. D3 (Aluminium foil/Blister pack)	60,000 IU / Tablet	10 Tabs/ Strip 10 Strips/ Box				
78	Vit. D3 Drop (Palatable, with dropper and container as per I.P.)	400 IU/ml	20 Ph./ Box				
79	Chlorhexidine Gluconate solution (mouth wash)	0.2 percentage w/v, 100ml	20 Bots/ Box				
80	Tab. Flavoxate Hydrochloride (Aluminium foil/Blister pack)	200mg/Tab.	10 Tabs/ Strip 10 Strips/ Box				
81	Lactulose Solution (Palatable, with measuring cap and plastic container as per I.P)	10gm/15ml (3.335gm/5ml)	20 Bots/ Box				

Sl No.	Name of the Item	Specification	Unit / Packsize	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	2	3	4	5	6	7	8
82	Black Braided Silk	Size- 1, (Non Sterile) 25mt. / Reel (without needle) U.S.P , With CE certification.	12 Foils/Box				
83	Black Braided Silk	Size: 1-0, (Non Sterile) 25mt./Reel (without needle) U.S.P, with CE Certification.	12 Foils/Box				
84	Catgut Chromic Atraumatic	Size:-2-0, length: 76cm, 1/ 2 Circle Round Bodied (45 mm needle) U.S.P, with CE certification (Not Mandatory)	12 Foils/Box				
85	Surgical Needles	Suture Needles, Straight Cutting Needle different sizes 6 to 10	Each				
86	Surgical Needles	Suture Needles, Curved Cutting Needle different sizes 6 to 10	Each				
87	Surgicals Blade	Sizes 24, Pre - sterile with Gamma radiation for handle no. 4 sizes 24 ISI : 3319:1995 with CE certification will be preferred	Each				
88	Leucocyte	Removal filter for Red blood transfusion	Each				
89	Poliyamide	1-0	12 Foils/Box				
90	Poliyamide	2-0	12 Foils/Box				
91	Poliyamide	3-0	12 Foils/Box				
92	Poliyamide	4-0	12 Foils/Box				
93	Inj. 4% Lignocaine	Lignocaine 4%	20 Vials/ Box				
94	Wax softner		Each				
95	Tab. Betahistadine	8 Mg	10 Tabs/ Strip 10 Strips/ Box				
96	Tab. Betahistadine	6 Mg	10 Tabs/ Strip 10 Strips/ Box				
97	Tab. Thyroxine	75Mg	10 Tabs/ Strip 10 Strips/ Box				
98	Tab. Tampamsulosine with Dutasteride (0.4 + 0.5Mg)	ampamsulosine 0.4 with Dutasteride 0.5Mg	10 Tabs/ Strip 10 Strips/ Box				
99	Inj. Acyclovir	500Mg	20 Vials/ Box				
100	Chlorohexadine Mouthwash	100 MI	20 Bots/ Box				
101	Inj. Methyldopa		20				
102	Tab. Misoprostal	25Mcg	10 Tabs/ Strip 10 Strips/ Box				

Sl No.	Name of the Item	Specification	Unit / Packsize	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	2	3	4	5	6	7	8
103	TabCarbergoline	0.5Mg	10 Tabs/ Strip 10 Strips/ Box				
104	Chlorohexadine Gel	15 Gm Tube	20 Tube/ Box				
105	Benzocaine Gel	30 Gm Tube	20 Tube/ Box				
106	Povidoine Iodine Mouth Wash	50 Ml	20 Bots/ Box				
107	Metronidazole Oral Gel	20 Gm	20 Tube/ Box				
108	Diclofenac Gel	30 Gm Tube	20 Tube/ Box				
109	Inj. Dubatamine		20 Vials/ Box				
110	Ryles Tube	Size -16 & 18	Each				
111	Feeding Tube	Size - 5 & 6	Each				
112	Utility Gloves	Small	Each Pair				
113	Utility Gloves	Medium	Each Pair				
114	Utility Gloves	Large	Each Pair				
115	Long Gloves	Small	Each Pair				
116	Long Gloves	Medium	Each Pair				
117	Long Gloves	Large	Each Pair				
118	Bacilocid	500Ml	Each Bot				
119	Pera Safe (Medical Instrument Sterilent)	1 Liter	Each Bot				
120	Endotracheal Tube	Size- 3,3.5, 7, 7.5, 8	Each				
121	Harnia Kit		Each Kit				
122	Nasogastic Tube		Each				
123	Corrugated Rubber		Each				
124	Sterilizer Indicator		Each				
125	Sterilised Surgical Suture Monofilament Polyamide Black	Size-1 - Size-1 length 2 x 76cm , (Precut AND Pre Sterilized) U.S.P, with CE Certification	12 Foils/Box				
126	Sterilised Surgical Suture Monofilament Polyamide Black	Size-1-0 - Size-1-0 length 2 x 76cm , (Precut AND Pre Sterilized) U.S.P, with CE Certification	12 Foils/Box				

Sl No.	Name of the Item	Specification	Unit / Packsize	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	2	3	4	5	6	7	8
127	Polyamide No.3-0	Size-- 3-0Monofilament Polyamide Black Sterilised Surgical Needled Suture, Non absorbable Surgical Suture , 3/8 circle, Reverse Cutting 26mm needle, 70cm, U.S.P,with CE certification	12 Foils/Box				
128	Polyamide 2-0 -	Size 2-0, Monofilament Polyamide Black Sterilised Surgical Needled Suture, Non absorbable Surgical Suture , 3/8 circle, Reverse Cutting 45mm needle, 70cm, U.S.P,with CE certification	12 Foils/Box				
129	Digital X-Ray Film (KONICA SDE Type)	8" x 10"	125 Films/ Pcket				
130	Digital X-Ray Film (KONICA SDE Type)	10" x 12"	125 Films/ Pcket				
131	Ulcer Kit	Antiseptic lotion ((Chlorhexidine Gluconate + cetrimid + Isoprophyl Alcohol IP 0.3 w/v 100 ml/Bottle)), Povidine Iodine Ointment (5% w/w, 15Gm Tube), Antimicrobial lotion (10% W/v 100 MI Bot), Roller Bandage (4 mt. x 6 cm) (4 Rolls), Moisturizing cream / oil (Vaseline) 50gm, Foot Scraper (6 cm x 4 cm scrapping surface)	Each Kit				
132	Self Care Kit	Plastic Tub (Minimum 30 Ltr volume and one ft height), Plastic Mug (Minimum one Litre capacity), Cotton Towel (Minimum 1.5 ft x 1.5 ft)	Each Kit				
133	Morbidity Management and Disability Prevention (MMDP Kit) Kit	Plastic Tub- 1 No. (Minimum 30 Ltr volume & 1ft Height), Plstic Mug- 1 No. (Minimum 1 Ltr Capacity), Soap- 2 Nos. (Minimum 125Gm), Cotton Towel- 6 Nos. (Minimum 1.5Ft x 1.5Ft.)	Each Kit				

NCD MEDICINES & CONSUMABLES

Sl No.	Name of the Item	Specification	Unit / Packsize	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>				
1	Biphasic insulin aspart 30/70 (BIAsp 30)	Each	Each				
2	Cap. L-Ornithine	500Mg	10 Caps				
3	Inj Insuline Aspirate	Each	Each				
4	Inj Insuline Premix 30	Vial	Each				
5	Inj Insuline Premix 30	Catridge	Each				
6	Inj Insuline Premix 50	Vial	Each				
7	Inj Insuline Premix 50	Catridge	Each				
8	Inj. Insulin Regular	Each	Each				
9	Insulin intermediate	Each	Each				
10	Promethazine	Tab. 12.5 mg	10 Tabs				
11	Promethazine	Tab. 50 mg	10 Tabs				
12	Syp. Carbamazepine	100Mg/ 5Ml	Each				
13	Tab. Acebrophylline	300 mg	10 Tabs				
14	Tab. Carbidopa + Levodopa	Carbidopa 25Mg + Levodopa	10 Tabs				
15	Tab. Carbimazole	15 mg	10 Tabs				
16	Tab. Empagliflozin	10 mg	10 Tabs				
17	Tab. Empagliflozin	25 mg	10 Tabs				
18	Tab. Folic acid	1 mg	10 Tabs				
19	Tab. Levo Thyroxin	25	10 Tabs				
20	Tab. Levo Thyroxin	50	10 Tabs				
21	Tab. Levo Thyroxin	100	10 Tabs				

Sl No.	Name of the Item	Specification	Unit / Packsize	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
22	Tab. Orceprenaline 10	10 mg	10 Tabs				
23	Tab. Silymarin	200 mg	10 Tabs				
24	Tab. Verapamil (Isoptin)	80 mg	10 Tabs				
25	Tab. Verapamil (Isoptin)	120 mg	10 Tabs				
26	Tab. Verapamil (Isoptin)	300 mg	10 Tabs				
27	Tab. Verapamil(Isoptin)	80Mg	10 Tabs				
28	Tab.Bisoprolol	10 mg	10 Tabs				
29	Tab.Methyldopa	500 mg	10 Tabs				
30	Tab.Olmesartan	10Mg	10 Tabs				
31	Tab.Syndopa plus	110 mg	10 Tabs				
<u>Tobacco Control</u>							
1	Nicotine Patch	21 MG	Packet				
2	Bupropion Hydrochloride (1 course 12 weeks)	150Mg	Packet				
3	Varenicline Tartrate (1 course 12 weeks)	1Mg	Packet				
<u>Mental Health</u>							
1	Cap. L-Ornithine	500Mg	10 Caps				
2	Inj.Lorazepam	2Mg/ MI 10MI Vial	Each				
3	Syp. Risperidone	1Mg/ MI	Each				
4	Tab. Amantadine	100 Mg	10 Tabs				
5	Tab. Atomoxetine	18 Mg	10 Tabs				
6	Tab. Buprenorphene	2 Mg	10 Tabs				
7	Tab. Glycopyrolate	1Mg	10 Tabs				

Sl No.	Name of the Item	Specification	Unit / Packsize	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
8	Tab. Levo Thyroxin	25	10 Tabs				
9	Tab. L-ORNITHINE		10 Tabs				
10	Tab. Lurasidone	40Mg	10 Tabs				
11	Tab. Mamentine	5Mg	10 Tabs				
12	Tab. Melatonine	3Mg	10 Tabs				
13	Tab. Methyl Phenylate	5Mg	10 Tabs				
14	Tab. Tetrabenazine	25Mg	10 Tabs				
15	Tab.Syndopa	110 mg	10 Tabs				
16	Tab.Tardalafil	10Mg	10 Tabs				
17	Tab. Memantin	10Mg	10 Tabs				
18	Tab. Sildenafil	100Mg	10 Tabs				
19	Tab.Varenicline Tartrate (1 course 12 weeks)	1Mg	10 Tabs				

LIST OF LAB. CHEMICALS &
LAB. CONSUMABLES

Sl. No.	Name of the Item with specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
1	Antigen Rack				
2	Anisol Oil 500MI				
3	Napkin (2'x1')				
4	Talquisi Paper				
5	Hypodermic Needle (Size-23)				
6	Enzymatic Cleaner				
7	Diluent 20000MI for CBC Test				
8	Lyser 10000MI for CBC Test				
9	Oxalic Acid 500MI				
10	Plastic Bottle (Bio Hazard) 1.5Liter of Food Grade, Narrow Mouth				
11	Hematology Test Reagents for Automated Hematology Analyser (5 Part)				
12	Sulpholyser 5000MI				
13	Stomatolyser 5000MI				
14	PT Reagents (Prothombin Time)				
15	PHENOL 500MI (Brand name- Merck) (i. The Chemical Structure: C ₆ H ₅ OH ii. Molecular Weight: 94.11 iii. Melting Point: 400C+/-2, iv. Purity:99.5%)				
16	BASIC FUCHSIN (MERCK) 25Gm/ Bot i. The chemical name: Pararosanine hydrochloride ii. The chemical structure: C ₂₀ H ₂₀ CIN ₃ iii. Molecular Weight: 337.86 iv. Color : Metallic Green v. Dye content: Should be available on the container. Approximately 85% - 88%.				

Sl. No.	Name of the Item with specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	2	3	4	5	6
17	FALCON TUBE / UNIVERSAL TUBE WITH GRADATION MARK (TARSONS) (28ml, wide neck, with aluminium screw cap and liners pack of 20 bottles. Fisher make only. Catalog No.: BTS-402050M. Weight of each bottle in gms (without screw cap and Neoprene washer)= 50+1, Length of bottle in mm = 82 Maximum external circumference of bottle in mm = 92 Type of bottle (thickness and surface: bottom and side of each bottle) = Even thickness without air bubbles in the glass, clear glass Diameter of the bottom of bottle in mm to fit within centrifuge bucket of inner diameter of 30 mm = 28.2 Capacity of each bottle in ml (volume) = 28 Bottle should be auto clavable, should not become opaque on autoclaving. Screw cap for the bottle: Weight in Gms without washer = 1.6+0.1 gms screw cap: made of aluminium to fit tightly all bottles (leak proof) screw cap: Inner diameter of screw cap without Neoprene washer in mm = 2.7 Neoprene (soft) washers thickness in mm = 2.5 Neoprene washer diameter in mm = 2.7 Neoprene washers should withstand repeated autoclave.)				
18	Methylated spirit (Chemical Name : Ethanol Denatured +5%Isopropyl Alcohol + 5% Methanol Structure :C ₂ H ₅ OH, Molecular Weight :46.07 g/mol, Purity- 90 %)				
19	Hematology Test Reagents for Automated Hematology Analyser (5 Part)				
	Cell Pack 20 Ltr				
	Cell Clean 50MI				
	Stromatolyser (WH)				
20	Sulpholyser 5000MI				
21	Stomatolyser 5000MI				
22	Sample Cup (For Fully Automatic Analyser((MERIL)				
23	Floride Powder				
24	QC Normal (for CBC 5 Part (SIMENS))				
25	QC Low (for CBC 5 Part (SIMENS))				
26	QC High (for CBC 5 Part (SIMENS))				
27	DL (diluent) 20 Liters (for CBC 5 Part (SIMENS))				

Sl. No.	Name of the Item with specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	2	3	4	5	6
28	Lyse 5 Liter (for CBC 5 Part (SIMENS))				
29	5P-Diff. 1 Liters (for CBC 5 Part (SIMENS))				
30	Hypo Clean 1 Liters (for CBC 5 Part (SIMENS))				
31	Salt Testing Kit				
32	Ultrasound Paper Roll (UPP110S) (SONY)				
33	Glucose Kit 12 x 20MI (Q-LINE)				
34	Urea Kit 8 x 25MI (Q-LINE)				
35	Creatinine 8 x 25MI (Q-LINE)				
36	Uric Acid Kit 12 x 20MI (Q-LINE)				
37	Cholesterol Kit 12 x 20MI (Q-LINE)				
38	Triglyceride Kit 12 x 20MI (Q-LINE)				
39	HDL Direct Kit 80MI (Q-LINE)				
40	LDL Direct Kit 80MI (Q-LINE)				
41	SGOT Kit 8x 25MI (Q-LINE)				
42	SGPT Kit 8x 25MI (Q-LINE)				
43	Total Bilirubin 8 x 25MI (Q-LINE)				
44	Direct Bilirubin 8 x 25MI (Q-LINE)				
45	Total Protein 12 x 20MI (Q-LINE)				
46	Albumin Kit 12 x 20MI (Q-LINE)				
47	Alkaline Phosphate 4 x 25MI(Q-LINE)				
48	Calcium Kit 12 x 20MI (Q-LINE)				
49	H Pathological 4 x 5MI (Q-LINE)				
50	HbA1C Direct 1 x 24MI (Q-LINE)				
51	HbA1C Direct Callibrator Set 5 x 1MI (Q-LINE)				
52	H Normal Kit 4 x 5MI (Q-LINE)				
53	Blue MPA Micro Pipette for CBC				
54	NAF Vial				
55	Ultrasound Paper Roll (UPP110S) (SONY)				

Sl. No.	Name of the Item with specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	2	3	4	5	6
56	Glass Pot 2 Liter				
57	Digital Haemoglobin Meter Strips (A1CHEK)				
58	Mortuary Polythene Bags				
59	CBC Machine (BHATBIOTECH) Diluent 20Ltr				
60	CBC Machine (BHATBIOTECH) Detergent 5Ltr				
61	CBC Machine (BHATBIOTECH) Lise 1 Ltr.				
62	CBC Machine (BHATBIOTECH) Thermal Printer Paper Roll (10 Roll Packet)				
63	CBC Machine (BHATBIOTECH) K2/ K3 EDTA Non-vac Vial(100 Nos./ Packet)				
64	ECG 6 Channel Paper (CONTEC Model ECG 600G) (Size- 110MM x 20 Meters)				
65	Quality Control (QC) (Medonic CBC Machine)				
66	Calibration-CAL (Medonic CBC Machine)				
67	Blue MPA Micropipeters Plastic (Medonic CBC Machine)				
68	VIA Kit (Gloves, Cotton Swabs, Distilled Water, Acetic Acid)				
69	OVE Kit (Disposable Tongue depressor, Oral examination spatula)				
70	Liquid Hand Wash with Dispenser Bottle Pump 250MI				
71	Liquid Hand Wash refill Pouch 750MI				
72	Dental Burs Round (Small & Medium) Endo access but Straight Fissure (SF21, 31, 41) Inverted Cone (Small & Medium) Tapered Fissure (TF 12 & 13)				
73	Glass ionomer Cement (GIC) for restoration				
74	Matrix band & retainer				
75	Zinc Oxide Powder & Liquid for temporary restoration				

Sl. No.	Name of the Item with specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	2	3	4	5	6
76	Composite restorative material for tooth color restoration				
77	Bonding agent and applicator tip				
78	37% etchant gel				
79	Flowable composite				
80	Alginate impression material				
81	Dental Stone and Plaster				
82	Calcium Hydroxide Powder				
83	EDTA gel for Root canal				
84	2% GP points (15-100)				
85	2% paper points (15-100)				
86	Root canal sealer				
87	Fluoride varnish				
88	Pit and fissure sealant				
89	Plastic spatula				
90	Steel Spatula				
91	Glass slab for dental cement mixing				
92	Spoon Excavator				
93	Erich Arch Bar				
94	ESR Pipette (westergen) (Glass)				
95	CBC PM Kit				
96	Gram Staining				
97	Cuppling Jar				
98	CBC Machine Paper Roll				
99	Bacillocid 500ml				

LABORATORY REAGENTS UNDER NIDANA PROGRAMME

Sl. No.	Name of the Item	Unit of measure	Unit / Pack Size	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
1	(N/10) Hydrochloride Solution (Haemoglobin Estimation)	In ml	500				
		In ml	1000				
2	Hematology Test Reagents for Automated Hematology Analyser (3 Part)						
	Lyse	In ml	10000				
	Diluent	In ml	20000				
2.1	Hematology Test Reagents for Automated Hematology Analyser (5 Part)						
	Sulpholyser	In ml	5000				
	Diluent	In ml	20000				
	Stomatolyser	In ml	5000				
3	Hematology Test under microscope						
3.1	WBC Diluting Fluid (TLC)	In ml	100				
3.2	Total Eosinophil Count Fluid	In ml	100				
3.3	RBC Diluting Fluid (Total Blood Cell Count)	In ml	100				
3.4	Platelet diluting Fluid (Total Blood Cell Count)	In ml	100				
3.5	Distil Water	In ml	500				
		In ml	1000				
		In ml	5000				
4	Blood Grouping (ABO-RH typing) (Anti-A, Anti-B, Anti-AB, Anti-D, Anti-H, Anti-A1, Bovine Albumin. Antigen for Red Cell Panel)	In ml	10				
5	JSB Stain-I (Malaria Parasite)	In unit	500				
		In unit	125				
	JSB Stain-II (Malaria Parasite)	In unit	500				
		In unit	125				
6	3.8% Sodium Citrate Solution (ESR)	In ml	500				
		In ml	100				
7	Coombs Reagent (Direct & Indirect) (AHG Anti C3d monoclonal)	In ml	10				
		In ml	5				
8	Laboratory Stain (Giemsa Stain, Leishman Stain)						
8.1	Giemsa Stain	In ml	250				
		In ml	500				
		In ml	1000				
8.2	Leishman Stain	In ml	500				
		In ml	1000				
9	Immersion Oil (Microscope)	In ml	30				
10	Occult Blood	In Unit	50				
			25				
			10				
11	PT Reagents (Prothombin Time)	In ml	3				
RAPID AND PACKED KITS							
1	RPR Card	In Unit	100				
			50				
			20				
2	Rheumatols Factor (Rh Typing)	In Unit	100				
3	ASO	In Unit	100				
4	HbsAg (Rapid)	In Unit	100				

Sl. No.	Name of the Item	Unit of measure	Unit / Pack Size	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
5	CRP	In Unit	50				
6	Uri-Stick	In Unit	100				
		In Unit	50				
		In Unit	25				
7	Pregnancy Kit	In Unit	100				
		In Unit	50				
		In Unit	25				
8	Widal Kit	In Unit	100				
		In Unit	50				
9	Toxoplasma (Rapid)	In Unit	50				
		In Unit	10				
10	Hepatitis B Card Test	In Unit	100				
		In Unit	50				
11	Hepatitis C Card Test	In Unit	100				
		In Unit	50				
12	Troponin-I	In Unit	10				
BILCHEMICAL REAGENTS (SEMI AUTO ANALYZER)							
1	Blood Sugar (lab method)	In ml	1000				
		In ml	500				
2	Blood Urea	In ml	1000				
		In ml	500				
		In ml	200				
3	S.Creatinine	In ml	1000				
		In ml	200				
		In ml	100				
		In ml	50				
4	S.Bilirubin (T)	In ml	1000				
		In ml	200				
		In ml	100				
5	S.Bilirubin (D)	In ml	1000				
		In ml	200				
		In ml	100				
6	SGOT	In ml	500				
		In ml	200				
		In ml	50				
7	SGPT	In ml	500				
		In ml	200				
		In ml	50				
8	S.Alkaline Phosphate	In ml	500				
		In ml	250				
		In ml	50				
9	Serum Total Protein	In ml	50				
		In ml	250				
		In ml	500				
10	Serum Albumin	In ml	200				
		In ml	100				
		In ml	50				
11	S. Calcium	In ml	50				
		In ml	100				
		In ml	200				

Sl. No.	Name of the Item	Unit of measure	Unit / Pack Size	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
12	S. Pottasium	In ml	50				
		In ml	100				
		In ml	200				
13	S. Sodium	In ml	50				
		In ml	100				
		In ml	200				
14	S. LDH	In ml	50				
		In ml	200				
15	S. Amylase	In ml	25				
		In ml	50				
		In ml	100				
16	S. Uric Acid	In ml	25				
		In ml	50				
		In ml	100				
17	S. Cholestrol	In ml	25				
		In ml	50				
		In ml	100				
18	S. Triglyceride	In ml	25				
		In ml	50				
		In ml	100				
19	S. VLDL	In ml	100				
		In ml	50				
20	S. HDL	In ml	25				
		In ml	50				
OTHER CONSUMABLES							
1	Glass Slide	In Unit	50				
2	Micro Tips (Yellow)	In Unit	1000				
3	Micro Tips (Blue)						
4	Urine Collection Bottle	In Unit	Each				
5	NVEDTA K3 2ml Sample Tube	2 ml	Each				
6	NVEDTA K2 2ml	2 ml	Each				
7	Plain Vial	5 ml	Each				
8	Test Tube (Big)	In Unit	Each				
9	Test Tube (Small)	In Unit	Each				
10	Test Tube Holder	In Unit	Each				
11	Clotting Vial	In Unit	Each				
12	ESR Stand	In Unit	Each				
13	ESR Tube	In Unit	Each				
14	Micro Pipette(10-200)	In Unit	Each				
15	Micro Pipette(5-50)	In Unit	Each				
16	Tissue Paper roll	In Unit	Roll				
17	Floride Vial	In Unit	Each				

Sl. No.	Name of the Item	Unit of measure	Unit / Pack Size	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
18	Spirit Lamp	In Unit	Each				
19	Test Tube Stand	In Unit	Each				
20	Micro Pipette(10-100)	In Unit	Each				
21	Micro Pipette(100-1000)	In Unit	Each				
22	Acetic Acid Glacial	In ml	500				
23	Salt Testing Kit (Test for Iodine)	In Unit	50 Test Strips				
24	H ₂ S strip (Water testing for fecal contamination and chlorination)	In Unit	50 Test Strips				
25	Capillary Tube	In Unit	Each				
26	Sputum for AFB Test Kit	In Unit	Each				
27	Stool For OVA and CYST Test Kit	In Unit	50 Test Strips				
28	Visual Inspection using Acetic Acid (VIA) Kit for cervical cancer (Sterile Swab stick & Acid)	In Unit	Each				
29	Glucose Tolerance Test (GTT)	In Unit	50 Test Strips				
30	Blood Urea Kit	In Unit	50 Test Strips				
31	SGPT Kit	In Unit	50 Test Strips				
32	SGOT Kit	In Unit	50 Test Strips				
33	S. Alkaline Phosphatase Kit	In Unit	50 Test Strips				
34	S. Albumin & AG ratio Kit	In Unit	50 Test Strips				
35	S. Total Cholesterol Kit	In Unit	50 Test Strips				
36	S. Triglycerides Kit	In Unit	50 Test Strips				
37	S. VLDL Kit	In Unit	50 Test Strips				
38	S. HDL Kit	In Unit	50 Test Strips				
39	S. LDL Kit	In Unit	50 Test Strips				

Sl. No.	Name of the Item	Unit of measure	Unit / Pack Size	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
40	Serum Sodium & Potassium Kit	In Unit	50 Test Strips				
41	CRP (including new born) – (quantitative) Kit	In Unit	50 Test Strips				
42	Uric Acid Kit	In Unit	50 Test Strips				
43	Serum Calcium Kit	In Unit	50 Test Strips				
44	Water testing for fecal contamination and Chlorination (Ortho Toluidine Test)	In Unit	50 Test Strips				
REAGENTS FOR FULLY AUTO ANALYZER (MERIL)							
1	AMYLASE	In Unit	4 x 20				
2	ALKALINE PHOSPHATASE	In Unit	4 x 15				
3	ALAT (GPT)	In Unit	6 x 20 / 6 x 5				
4	ASAT (GOT)	In Unit	6 X 20 / 6 X 5				
5	BILIRUBIN TOTAL	In Unit	5 X 15 / 5 X 5				
6	BILIRUBIN DIRECT	In Unit	5 X 15 / 5 X 5				
7	CALCIUM (A)	In Unit	4 X 20				
8	CREATININE	In Unit	5 X 15 / 5 X 15				
9	CRETINE KINASE NAC	In Unit	2 X 20 / 2 X 5				
10	CRETINE KINASE MB	In Unit	2 X 20 / 2 X 5				
11	CHOLESTEROL	In Unit	6 X 20				
12	LDL CHOLESTEROL (DIRECT)	In Unit	1 X 18 / 1 X 6				
13	CHLORIDE	In Unit	4 X 20				
14	G - GLUTAMYL TRANSFERASE	In Unit	1 X 20 / 1 X 5				
15	GLUCOSE	In Unit	10 X 20				
16	LACTATE DEHYDROGENASE	In Unit	1 X 20 / 1 X 5				
17	MAGNESIUM	In Unit	4 X 20				
18	PHOSPHORUS	In Unit	4 X 20				
19	MICROPROTEIN	In Unit	4 X 20				
20	TRIGLYCERIDE	In Unit	6 X 20				
21	URIC ACID	In Unit	4 X 15				
22	UREA	In Unit	6 X 20 / 6 X 5				
23	AUTQUANT CLEANZER	In Unit	10 X 100				

Sl. No.	Name of the Item	Unit of measure	Unit / Pack Size	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
24	MICRO ALBUMIN	In Unit	2 X 20 / 2 X 5				
25	CRP	In Unit	2 X 20 / 2 X 5				
26	LIPASE	In Unit	1 X 20 / 1 X 12				
27	ALBUMIN	In Unit	6 X 20				
28	HDL CHOLESTEROL (DIRECT)	In Unit	2 X 18 / 2 X 6				
29	TOTAL PROTEIN	In Unit	6 X 15				
30	HbA1c	In Unit	2 X 15 / 2 X 5.5 / 1 X 75 / 4 X 0.5				
31	BIONORM	In Unit	1 X 5				
32	BIOPATH	In Unit	1 X 5				
33	BIO CAL	In Unit	4 X 3				
34	ASO	In Unit	2 X 20 / 2 X 5				
35	CRP	In Unit	2 X 20 / 2 X 5				
36	RF	In Unit	2 X 20 / 2 X 5				
37	D - DIMER	In Unit	2 X 15 / 2 X 5				
38	FERRITIN	In Unit	2 X 15 / 2 X 5				
Consumables for Fluorescence Immunoassay Analyzer							
COVID -19							
1	nCoV RBD Antibody Test						
2	nCoV Antigen Test						
3	nCoV Antibody Test						
4	nCoV IgM/IgG Test						
5	nCoV IgM Test						
6	nCoV IgG Test						
Vitamin							
1	Vitamin D						
Diabetic & Renal Injury Markers							
1	HbA1c						

Sl. No.	Name of the Item	Unit of measure	Unit / Pack Size	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
2	MAU						
3	CysC						
4	NGAL						
5	β2-MG						
Thyroid Function							
1	T3						
2	T4						
3	TSH						
4	fT3						
5	fT4						
Fertility							
1	β-HCG						
2	LH						
3	FSH						
4	Prog						
5	PRL						
6	E2						
7	Testosterone						
8	AMH						
Cardiac Markers							
1	NT-proBNP						
2	cTn I						
3	Myo						
4	CK-MB						
5	H-FABP						
6	3 in 1 (cTn I/Myo/Ck-MB)						
7	BNP						
8	2 in 1 (cTn I/NT-proBNP)						
9	hsCRP						
10	cTnt						

Sl. No.	Name of the Item	Unit of measure	Unit / Pack Size	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
Cranio cerebral Injury Markers							
1	S 100 β						
Cagulation							
1	D-Dimer						
2	One step D-Dimer						
Inflammation Markers							
1	PCT						
2	CRP (hsCRP+CRP)						
3	2 in 1 (CRP+PCT)						
4	SAA						
5	IL - 6						
Tumor Markers							
1	AFP						
2	PSA						
3	CEA						
4	fPSA						
Others							
1	Cortisol						
2	Ferritin						
3	iFOB						
4	Dengue NS1 Ag						
Consumables for Urine Analyzer 10 Para							
1	UroColor 1G (10UK01G)						
2	UroColor 2 (10UK02)						
3	UroColor 2K 910UK02K)						
4	UroColor 3 (10UK03)						
5	UroColor 4 (10UK04)						
6	UroColor4S (10UK04S)						
7	UroColor5K (10UK05K)						
8	UroColor 10 910UK10)						

Sl. No.	Name of the Item	Unit of measure	Unit / Pack Size	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
9	UroColor 11 910UK11)						
Automated Electrophoresis for HB/ Sickel Cell & Serum Protien							
1	HBA1C CALIBRATORS	In Unit	2 X 0.6 ML				
2	A1AT CONTROLS	In Unit	3 X 1.25 ML				
3	HBA1C CONTROLS	In Unit	1 X 0.7 ML				
4	Hb AF CONTROL	In Unit	1 ML				
5	Hb A2 NORMAL CONTROL(5)	In Unit	5 X 1 ML				
6	PATHOLOGICAL HbA2 CONTROL	In Unit	1 ML				
7	MOLECULAR WEIGHTCONTROL	In Unit	5 X 1 ML				
8	CONTROL SERA NORMAL	In Unit	5 X 1 ML				
9	HYPERGAMMA CONTROL SERUM	In Unit	5 X 1 ML				
10	IT/ IF CONTROL (1 ML)	In Unit	1 ML				
11	ENZYCONTROL	In Unit	1 ML				
12	Hb AFSC CONTROL	In Unit	1 ML				
13	ISO-PAL CONTROL	In Unit	0.5 ML				
14	CSF CONTROL	In Unit	0.5 ML				
15	NORMAL CDT CONTROLS(5 X 1ML	In Unit	0.5 ML				
16	COLOURED FIXATIVE 2,5 ML	In Unit	5 X 1 ML				
17	REAGENTS CUPS	In Unit	1 X 5 ML				
18	LIDS FOR USED SEGMENTS BOXES FOR MINICAP	In Unit	125 Nos				
19	CAPICLEAN (25 ML)	In Unit	1 Nos				
20	CLEANPROTECT	In Unit	25 ML				
21	CAPIPROTECT	In Unit	5 ML				
22	TUBES/CAPS FOR CONTROLS (20)	In Unit	2 X 5 L				
23	LOW VOLUMES LABELS	In Unit	20NOS				
24	TUBES/CAPS FOR CONTROLS (500)	In Unit	20 Lables				
25	KIT PROTEIN 6	In Unit	500 NOS				
26	Hb	In Unit	2 X 250 ML				
27	CDT	In Unit	2 X 250 ML				
28	HbA1c	In Unit	20X 250ML				
29	KIT PROTEIN (6)	In Unit	6 X 250 ML				
30	KIT Hb	In Unit	6 X 250 ML				
31	PROTEIN 6 BUFFER	In Unit	1 X 2000				
32	HEMOGLOBIN BUFFER	In Unit					
33	IMMUNOTYPING	In Unit	1.1 ML				
34	FP PM Kit (With 8 Way Valve)	In Unit	1 Nos				
35	Sample Probe	In Unit	1 Nos				
36	Pump Maintenance Kit (for liquid pump SN < 2750)	In Unit	1 Nos				
37	Cartridge	In Unit	1 Nos				

Sl. No.	Name of the Item	Unit of measure	Unit / Pack Size	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
38	Silicone Grease (10ml)	In Unit	1 Nos				
39	Carousel (Standard)	In Unit	1 Nos				
40	Reagent Cup Holder	In Unit	1 Nos				
41	Tubing Kit	In Unit	1 Nos				
42	Cathode Tank	In Unit	1 Nos				
43	Deuterium Lamp	In Unit	1 Nos				
44	Water Container With Cap 2vrs	In Unit	1 Nos				
45	Buffer 1 Container With Cap 2vrs	In Unit	1 Nos				
46	Buffer 2 Container With Cap 2 vrs	In Unit	1 Nos				
47	Wash Container With Cap 2vrs	In Unit	1 Nos				
48	Waste Container With Cap 2vrs	In Unit	1 Nos				
49	New Mechanical Adjustment Tool Kit	In Unit	1 Nos				
50	Container Male Quick Coupling	In Unit	1 Nos				
51	Front Electrode (Anode)	In Unit	1 Nos				
52	Carousel (Flex Piercing)	In Unit	1 Nos				
53	Pump Maintenance Kit	In Unit	1 Nos				
54	Peltier Element Adhesive	In Unit	1 Nos				
55	Syringe Nut for Endless Screw	In Unit	1 Nos				
56	8 Way Valve Coupling	In Unit	1 Nos				
57	Left Gap Pad	In Unit	1 Nos				
58	Right Gap Pad	In Unit	1 Nos				
59	Sample Probe Holder	In Unit	1 Nos				
60	Needle Horizontal Metal Axis	In Unit	1 Nos				
61	Syringe Lock Nut	In Unit	1 Nos				
62	Mcp Flex Sample Probe	In Unit	1 Nos				
63	Side hole Sample Probe	In Unit	1 Nos				
64	Blue Filter 420nm	In Unit	1 Nos				
65	UV Filter 200nm	In Unit	1 Nos				
66	Female Luer Fitting	In Unit	1 Nos				
67	Container Quick Coupling O'Ring	In Unit	1 Nos				
68	Male Luer Fitting	In Unit	1 Nos				
69	Waste Container Without Cap (500ml)	In Unit	1 Nos				
70	Reagent Container Without Cap (250ml)	In Unit	1 Nos				
71	Syringe 2.5ml	In Unit	1 Nos				
72	Syringe Piston	In Unit	1 Nos				
73	White Mechanical Grease (15g)	In Unit	1 Nos				

Laboratory Consumables & Reagents for District Public Health Laboratory

Sl. No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
Glass wares						
1	Test Tube(with Rim)	12x75	Glass			
2	Test Tube(with Rim)	38ml	Glass			
3	Test Tube(with Rim)	30ml	Glass			
4	Beaker	500ml	Glass			
5	Beaker	1Ltr	Glass			
6	Reference Thermometer	Large	Mercury			
7	Thermometer	Small	Mercury			
8	Glass rod	Medium	Straight			
9	Anaerobic gas jar	Plastic5 lt				
Test kits						
1	H2S(Coliform)					
2	Leptospirosis Ig M					
3	Latex agglutination test kit					
4	Hepatitis A Ig M		ELISA kit			
5	Hepatitis E Ig M		ELISA kit			
6	Scrub typhus Ig M		ELISA kit			
7	Leptospira Ig M		ELISA kit			
8	OrthoToluidene with Chloroscope					
9	PH paper(alkaline)		10X10 Pk from			
10	PH paper(acid)		10X10 Pk from			
11	PH paper(basic)		10X10 Pk from			
12	Antisera kit for felix test					
13	Antisera kit for salmonella test					
14	Antisera kit for cholera test					
15	Chikungunia IgM ELISA Kit		ELISA Kit			
16	Measles ELISA kit		ELISA Kit			
17	Chickenpox ELISA kit		ELISA Kit			
18	Hepatitis A Ig M ELISA Kit		ELISA Kit			
19	Hepatitis E IgM ELISA Kit		ELISA Kit			
20	Dengue IgM		ELISA kit			
21	Leishmaniasis IgM		ELISA kit			
Rapid test kit						
1	Hepatitis A Ig M rapid Kit					
2	Hepatitis E Ig M rapid Kit					
3	Chikungunia rapid Kit					
4	Scrub typhus rapid Kit					
5	Measles rapid Kit					
6	Leptospira rapid Kit					
7	HBeAG Rapid antigen kit		100 pk			
8	Blood culture bottle with media		microexpress			
9	Kalazer /Leishmaniasis rapid kit					
10	Measles Rapid antigen kit					
11	Hepatitis D rapid screening kit					
12	Dengue Rapid					
13	Leishmaniasis Rapid Kit					
Other requirements						
1	Test tube racks	Plastic	Multipurpose			
2	Sample Collection Vials	Plastic	Capped(plastic)			
3	Sample Container	Plastic	Sterile Uricol			
4	Transport Container	Vaccine Carrier				
5	Cotton Swabs	Sterile	(In Packets)			
6	Filter Paper	Wattman's				

Sl. No.	Name of the Item	Specification		Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
7	Spreader	in packet					
8	Autoclavable sterile wooden stick	in packet	round bottom(one side)				
9	White Pencil Marker						
10	Discarding Tray	Hard Plastic	Autoclavable				
11	Adhesive lables	in Roll					
12	Sterilizing Indicator	OK Strips in Packet	Self Adhesive Tape				
13	Microtips with Box	Autoclavable Plastic	0.2-10 µl				
14	Microtips with Box	Autoclavable Plastic	20-200 µl				
15	Microtips with Box	Autoclavable Plastic	100-1000µl				
16	Multichannel Micropipettes(Adjustable)		20-200 µl				
17	Sterile Micro Tips(for ELISA)	1000/pkt	10 µl				
18	Sterile Micro Tips(for ELISA)	1000/pkt	200 µl				
19	Sterile Micro Tips(for ELISA)	1000/pkt	1000µl				
20	Autoclavable Microcentrifuge Tube						
21	Autoclavable Sterile Plastic Vials	5ml	Plastic				
22	Autoclavable Sterile Plastic Vials	10ml	Plastic				
23	Bunsen Burner						
24	Bunsen Burner pad						
25	Tripod Stand for bunsen burner						
26	Vial storing box	20 nos					
Liquid Reagents							
1	Absolute Alcohol(99.99%)	500ml					
2	3% Hydrogen peroxide(H2O2)	500ml					
3	Lactophenol cotton blue stain	100ml					
4	Lactophenol stain	100ml					
5	Picric Acid (Saturated, Aqueous)	100ml					
6	Lactophenol picric acid stain	100ml					
7	Mayer's Mucicarmine Stain	100ml					
8	Niagrocin stain	100ml					
9	Carbol Fuchsin (ZN,Strong)	100ml					
10	Acid fast decoloriser	100ml					
11	Gentian Violet	100ml					
12	Malachite Green	100ml					
13	Schaeffer & Fulton's Spore Stains - Kit	100ml					
14	Kovacs' Indole Reagent	100ml					
15	Capsule Stains - Kit (contains S021 and S025)	100ml					
16	Acetone	500ml					
17	Buffer Capsules(pH 4& 9)	1pkt					
18	Deionised/Distilled water	In 5Ltr					
19	Sodium polyethynilate sulphonate	2 kg					
20	Xylene	1lt					
21	Autoclave container steel						
Media Required							
1	Chocolate agar						
2	Phenyl alanine deaminase Agar	500gm					
3	Urease Agar	500gm					
4	Castaneda biphasic medium	500gm					
5	Blood tellurite agar	500gm					
6	Sorbitol maconkey agar	500gm					
7	Kanamycin blood agar	500gm					
8	Venkatraman Ramkrishna medium	500gm					

Sl. No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
9	Baired parker Agar	500gm				
10	HIS selective medium	500gm				
11	Grenada medium	500gm				
12	buffered charcoal yeast extract agar	500gm				
13	TI medium	500gm				
14	Robertson cooked meat broth	500gm				
15	Canavonine glycine bromothymol blue agar	500gm				
16	Dermatophyte test medium	500gm				
17	stewarts media	500gm				
18	B.Streptococcus agar	500gm				
19	Brain heart infusion suppliment	500gm				
20	Bordet gengeu agar	500gm				
21	Cefotixine cycloserine agar	500gm				
22	Cefuloirgasan novobiocin medium	500gm				
23	Crystal violet blood agar	500gm				
24	Elners medium	500gm				
25	Firm's agar	500gm				
26	Fletcher's agar	500gm				
27	Levinthal's medium	500gm				
28	Tinsdale medium	500gm				
29	Campy blood agar	500gm				
30	Sorbitol maconkey agar	500gm				
31	Wilkins chalgren agar	500gm				
32	Skim milk agar	500gm				
33	MRS broth	500gm				
34	Egg yolk agar	500gm				
35	ONPG disc	100/pk				
36	NaCl(molecular grade)	500gm				
37	Stain & Antibiotics	500gm				
38	Schaeffer and Fulton Spore Stain Kit	500gm				
39	Maconkey Agar	500gm				
Antibiotic Disc						
1	Amikacin	600/pk				
2	Ampicillin	600/pk				
3	Amoxyclav	600/pk				
4	Ampicillin/subactum	600/pk				
5	Azithromycin	600/pk				
6	Chloramphenicol	600/pk				
7	Gentamycin	600/pk				
8	Cefuroxime	600/pk				
9	Cefotaxime	600/pk				
10	Ceftriaxone	600/pk				
11	Ceftazidime	600/pk				
12	Ciprofloxacin	600/pk				
13	Norfloxacin	600/pk				
14	Ofloxacin	600/pk				
15	levofloxacin	600/pk				
16	Nalidixic Acid	600/pk				
17	Nitrofurantoine	600/pk				
18	Cefoperazon/subactum	600/pk				
19	Cefipim	600/pk				
20	moxifloxacin	600/pk				
21	Erythromycine	600/pk				
22	Tetracycline	600/pk				
23	Vancomycin	600/pk				
24	Lenezolid	600/pk				
25	Tobramycine	600/pk				

Sl. No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
26	Polymyxin B	600/pk				
27	Imipenem	600/pk				
28	Meropenem	600/pk				
29	Piperacillin+Tazobactam	600/pk				
30	Teicoplanin	600/pk				
31	Tigecycline	600/pk				
32	Doxycycline	600/pk				
33	Streptomycin	600/pk				
34	Netilmycin	600/pk				
35	Cefadroxyl	600/pk				
36	Cefodoxim	600/pk				
37	Kanamycin	600/pk				
38	penicillin	600/pk				
39	Levofloxacin	600/pk				
40	Minocycline	600/pk				
41	Linezolid	600/pk				
42	Daptomycin	600/pk				
43	Cefoxitin	600/pk				
44	Clotrimoxazole	600/pk				
45	Ertapenem	600/pk				
46	Clindamycin	600/pk				
47	Cefepime	600/pk				
48	Novobiocin	600/pk				
49	Optochin disc	600/pk				
50	Cefixime	600/pk				
51	Tobramycin	600/pk				
52	Azetronam	600/pk				
53	Cefazalin	600/pk				
54	Piperacilli	600/pk				
55	Ceftifur	600/pk				
56	Cephalothin	600/pk				
57	Sulfisoxazole	600/pk				
58	Trimethoprim sulfomethoxazole	600/pk				
59	chlorhexidine	500ml				
60	Mosquito repellent(solution with heater)	100ml				
61	Caryblair media with swab	100/pk				
62	Bacillocid	1lt				
63	CIDEX	500ml				
64	Aldekol	500ml				
65	Heparin	100gm				
66	EPSOME SALT	1kg				
67	Dimethyl sulfoxide(MB)	100gm				
68	Ethylene	1lt				
69	GLYCEROL	500ml				
70	Echosheild	500ml				
71	Bacillol	5ltX10				

List of Instrument's & Equipment's

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
NPPCD Programme						
1	Head Light	Detail Specification enclosed as Annexure-A				
2	Ear Specula					
3	Nasal Speculum					
4	Mouth mirror					
5	Tongue Depressor					
6	Foreign Body Removal Forceps					
7	Otoscope					
8	Jobson Horn Probe					
9	Tuning Fork					
10	Noise Maker					
11	Periodontal probe					
NOHP Programme						
12	Tooth Model					
13	Torch					
14	Tooth Extraction Forceps Set (Adult)					
PHC HWC Lab. Programme						
15	Binocular Microscope					
16	Near Vision Chart					
17	Color Vision Chart					
18	Snellen's Chart					
19	Stadiometer					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)	
20	Digital BP Apparatus	Detail Specification enclosed as Annexure-A					
21	Aneroid BP apparatus						
22	Urine Analysis(DIPSTICK)						
23	Peak Flow Meter						
24	Lab Autoclave						
25	Incubator						
26	Micro Pipette						
27	Centrifuge-8 Tubes						
28	Needle Destroyer						
29	Nebulizer						
PHC HWC Physiotherapy							
30	Shoulder Wheel/ Over Head pully/ Shoulder ladder						
31	Lumber & Cervical Traction with Bed						
32	TENS (Standalone Type)						
33	Hydro Collator Unit						
34	Traction Bed						
35	Adjustable Walker						
36	Walking Sticks						
37	Cervical Traction (Manual)						
38	Lumber Traction (Manual)						
39	Exercise Bicycle						

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)	
40	Grip Exerciser	Detail Specification enclosed as Annexure-A					
41	Gait Training Apparatus/ Parallel bar						
42	Thera Bands /Elastic Bands						
43	Peak Flow Meter						
44	Physiotherapy Kit						
45	Multi Para Monitor (5 Para)						
46	ECG Machine (12 Channel)						
47	Sanitary incinerator (20 Kg Capacity)						
48	Spiro Meter						
49	Defibrillator						
50	ABG machines						
51	Mobile ECG machine						
52	Cheatle holder		Cheatle's Forceps with SS Holder				
53	Kidney tray		Kidney tray,8"				
54	Dressing Forceps (spring type)	Dressing Forceps (spring type), 160 mm, stainless steel					
55	Artery Forceps-Curved	Artery Forceps, straight, 160mm Stainless steel					
56	Neuber Chamber						
57	Vulsellum Uterine Forceps curved						
58	Cusco's/Graves Speculum vaginal bi-valve	Small/ Medium/ Large					
59	Sims retractor/depressor	Size : Large, Medium, Small with smooth surface					
60	Sims Speculum vaginal double ended ISS	Sims Speculum vaginal double ended ISS Medium					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
61	Foetoscope					
62	Interdental cleaning aids					
63	Dental Probe	Material- Stainless Steel (uninsulated) For Dental Scaling and General Purpose Use.				
64	Universal tooth extractor					
65	Mouth Gag					
66	Dressing Drum Big/Small	<ul style="list-style-type: none"> • Material: Stainless Steel, 304/202 Gauge. • Size: 9" x 9", 11" x 5", 11" x 9" (D x H). 				
67	Semi Auto Analyser	Detail Specification enclosed as Annexure-A				
68	Multi Para Monitor (7 Para)					
69	HDU BED					
70	ECLAMPSIA BED					
71	CRASH CART TROLLEY					
72	Digital X-Ray Machine (CMC required)					
73	Resuscitation Kit					
74	Spirometer					
75	Automated Electrophoresis for HB/Sickel Cell & Serum Protein (CMC required)					
<u>EIF for SNCU</u>						
1	Resuccitation Set (Manual) 250MI	Detail Specification enclosed as Annexure-A				
2	Resuccitation Set (Manual) 500MI					
3	Laryngoscope					
4	Spot Lamp					
5	Examination Light (Mobile)					
6	Syringe Pump					
7	Infusion Pump					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)	
8	Baby Weighing Scale (Electronic)	Detail Specification enclosed as Annexure-A					
9	Stethoscope (Neonate)						
10	BP Apparatus Child						
11	Dressing Tray						
12	Sterilization Drum						
13	Oxygen Hood						
14	Billirubinometer						
15	Irradiance Meter						
16	Oxygen Analyser						
17	ABG Machine (Catridge)						
18	Bubble CPAP						
19	Ventilator (Neonate)						
20	Medicine Trolley						
21	Ampule Cutter						
22	Tailors Scissor SS						
23	Straight Scissor (Small) SS						
24	Dressing Trolley						
25	Scissor container Tray						
26	Steel tray with Cover						
27	Oxygen Key						
28	Suction Catheter (Size-8)						
29	Suction Catheter (Size-10)						
30	Oxygen Tube						
31	Nasal Pronge No-3 (Neonate)						
32	Dressing Trolley						
33	Bilirubinometer						
34	Infantometer						
35	Sciossor container Tray						
36	Steel Tray with cover						
37	Oxygen Key						
<u>Equipments for NTCP</u>							
1	Smoke Analyzer Breath Carbon Monoxide		Detail Specification enclosed as Annexure-A				
<u>Equipments for DMHP</u>							
1	Cross Trainer		Detail Specification enclosed as Annexure-A				
2	Treadmill						
3	Home Gym						

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
4	Standing Twister	Detail Specification enclosed as Annexure-A				
5	Dumbbells					
6	Leg press					
7	Squat Rack					
8	Interlockable Gym Flooring					
Instruments & Equipments for HWC						
1	Bed sight Screen (Screen Separators with stand)	Detail Specification enclosed as Annexure-A				
2	Cupboard/storage chests					
3	Examination Table					
4	I V Stand (Saline Stand)					
5	Basin 825 ml. Ss (Stainless Steel)					
6	Basin deep (SS Basin square/rectangular shaped of capacity 6liter.)					
7	Tray Instrument/ Dressing with cover 310 x 195 x63 mm SS					
8	Dressing Drum with cover 0.945 litres stainless steel					
10	Weighing Scale, Adult 125 kg/280 lb					
11	Instrument Sterilizer					
12	Sphygmomanometer Aneroid 300 mm with cuff					
13	Surgical Instruments					
14	Kelly's Forceps (Kelly's hemostat Forceps straight 140 mm)					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
15	Cheatle's Forceps with Holder 10" with SS Holder	Detail Specification enclosed as Annexure-A				
16	Needle Holder- 8inch					
17	Sponge holder 8" with double action Jaws					
18	Kidney tray SS,8"					
19	Artery Forceps, straight, 160mm Stainless steel					
20	Stitch cutter with round handle double action jaw of 6 inch					
21	Allis forceps (Tissue Forceps finger ring, ratcheted forceps straight with 5x6 teeth and an overall length of 7-1/2 inches.)					
22	Dressing Forceps (spring type), 160 mm, stainless steel					
23	Stethoscope					
24	Hub Cutter and Needle Destroyer					
25	Artery Forceps-Curved 5"Curved double action jaw ratcheted with ring handle double action jaws					
26	Gauze Cutting Scissors (Angled with the lower blade being slightly longer & tip of the lower blade features a flattened blunt nodule to slide between bandages and skin without harming the skin. Size:5")					
27	Digital Thermometer					
28	Examination Lamp					
29	Stadiometer					
30	Nebulizer					
31	Instrument Cabinet					
32	Foot Step					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
33	Medicine Rack	Detail Specification enclosed as Annexure-A				
34	Hanging Weighing Scale (Toddler)					
35	MUAC Tape					
36	Steam Sterilizer (Medium/ Large)					
37	Auto Clave Box (Drum)					
38	Allie 's Forceps (Medium) (Size 6 ")					
39	Spoon Excavator					
40	Snellen Chart (Illuminated) (Eye Department)					
41	Nasal Speculum (Large)					
42	Nasal Forcep for Forrign Body removal					
43	Dental Explorer					
44	Shoulder Wheel					
45	Infrared Lamp					
46	Bed Pan					
47	Bed Side Urinal					
48	Dressing cum Obesrvation Table					
49	Scalpel with Blade					
50	Needle holder for Stitching					
51	Tooth Forceps					
52	Plain Forceps					
53	Sinus Forceps					
54	Torniquet (Adult & Pediatric)					
	Lab -Diagnostic Materials					
55	Slide drying rack					
56	Micropipette					
57	Microscope					
58	Neuber Chamber					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
59	ESR Stand with tube	Detail Specification enclosed as Annexure-A				
60	TC-DC Count apparatus					
61	Colorimeter					
62	Centrifuge Machine					
	Items required for providing RMNCHA services					
63	Weighing Scale, Infant (10 Kg)					
64	Vulsellum Uterine Forceps curved 25.5 cm					
65	Cusco's/Graves Speculum vaginal bi-valve small size					
66	Sims retractor/depressor small size					
67	Sims Speculum vaginal double ended ISS Medium size					
68	Uterine Sound Graduated 10-12"					
69	Cord cutting Scissors 9Size 6 inch double action jaw with round handle. Blunt, curved on flat, 160 mm ss).					
70	Foetal Doppler					
71	Suction Machine					
72	Set of AMBU Bag (to include Adult, Pediatric and Neonatal AMBU bag and masks and oral adjuncts) (reusable)					
73	Vein Finder (Adult)					
74	Vein Finder (Paediatric)					
75	Double Battery Inverter (2KVA with 2x180mAH Battery)					
EIF for Pediatric HDU Management						
1	Infrared Thermometer	Detail Specification enclosed as Annexure-A				
2	Algorithm/ Flow Chart					
3	High Flow Nasal Cannula					
4	T-Piece					
5	Patient Stretcher					
6	Wheel Chair					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
Manikins and Models for Nursing College						
1	Advanced CPR Training Manikin with Monitor, Printer & Voice Guided	Detail Specification enclosed as Annexure-A				
2	Multi-Functional Intravenous Injection Arm Model					
3	Adult CPR and Intubation Training Manikin Half-Body with Monitor					
4	Gynecological Training Models					
5	Ovary Model					
6	Human Placenta					
7	Breast Changes in Preganancy (Chart)					
8	Uterine Changes During Pregnancy (Chart)					
9	General Healthcare & Emergency					
10	Community Health Bag					
11	ICU Bed					
12	Labour Table					
13	Adult female Manikin (Basic Multi Functional Nursing Manakin)					
14	New Born Manikin					
15	Instrument Tray (SS) (24" x16")					
16	Instrument Tray (SS) (14" x10")					
17	Bowls with cover (SS) (6" diameter)					
18	Bowls with cover (SS) (4" diameter)					
19	Measuring Jugs 500MI					
20	Measuring Jugs 250MI					
21	Enema Can 1Liter					
22	Basin (Medium) SS					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
23	Catheter dish 'C' Cover	Detail Specification enclosed as Annexure-A				
24	Knife dish with cover					
25	Douche can					
26	Funnel 4" diameter					
27	Funnel 2" diameter					
28	Jar with Covers 12" X 8"					
29	Jar with Covers 6" X 4"					
30	Tub for sitz bath					
31	Pint Measure					
32	Gallipots					
33	Bottle brush					
34	Bisecting Forcep toothed					
35	Bisecting Forcep non-toothed					
36	Cockers					
37	Bladder sound					
38	Male urethral dilator					
39	Oral Packing Forceps					
40	Surgical balder different size					
41	Laryngoscope (Small)					
42	Wolfs Bottle (Glass)					
43	Conical flasks (Glass)					
44	Dram Glass					
45	Eye irrigation cup (Glass)					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
46	Measuring cups 240 ml (Glass)	Detail Specification enclosed as Annexure-A				
47	Measuring cups 120 ml (Glass)					
48	Measuring cups 30 ml (Glass)					
49	Full size human body showing all muscles and arteries					
50	Human Torso (Male)					
51	Human Torso (Female)					
52	Skin cross section					
53	Heart and large blood vessels					
54	Ear with different Sections					
55	Ear with different Sections					
56	Human brain with spinal cord					
57	Lungs and trachea					
58	larynx					
	Digestive System					
59	•Stomach					
60	•Small Intestine					
61	•Large Intestine					
62	Female reproductive System					
63	• Uterus on stand					
64	• Ovaries					
65	Microscopic structure					
66	Microscopic structure					
67	Male reproductive System					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
68	Urinary System	Detail Specification enclosed as Annexure-A				
69	• Kidney					
70	Microscopic structure					
71	Microscopic structure					
72	Teeth					
73	Female gynaecoid pelvis					
74	Foetal skull					
	Charts					
75	Skeleton System					
76	Muscular System					
77	Showing different muscles of body					
78	Joints and Ligaments					
79	Nervous System					
80	•Brain					
81	•Spinal cord					
82	Cardiovascular system					
83	Respiratory System					
84	Lungs					
85	Tracheas					
86	Digestive System					
87	Oral Cavity					
88	Teeth					
89	Stomach, Pancreas and Spleen					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
90	Small Intestine	Detail Specification enclosed as Annexure-A				
91	Large Intestine					
92	Liver And Gall Bladder					
93	Kidney macroscopic Structure					
94	Kidney macroscopic Structure					
95	Skin cross section					
96	Eye					
97	Ear with different Sections					
98	Female reproductive System					
99	Menstrual Cycle					
100	Male reproductive System					
101	Endocrine gland					
102	Big Water Coller					
Others						
1	DG Set (30 KVA 3 Phase)	Detail Specification enclosed as Annexure-A				
2	DG Set (25 KVA 3 Phase)					
3	DG Set (5 KVA 3 Phase)					
4	Blood Storage Refrigerator (50 Bags)					
5	Refrigerator (180 Liter, Single Door)					
6	Refrigerator (240 Liter, Double Door)					
7	Dead Body Cabinet (Single Body)					
8	Drinking System					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
9	VHND KIT	Detail Specification enclosed as Annexure-A				
10	Repetitive Transcranial Magnetic brain stimulation (RTMS)					
11	Polysomnography					
12	Mosquito Artery Forceps (SS) (Straight)					
13	Mosquito Artery Forceps (SS) (Curved)					
14	Allie 's Forceps (Medium) (Size 4 ") (SS)					
15	Kochkers Forceps (SS) 4"					
16	Adsons Forceps (SS) (Small)					
17	Toothed Forceps 6" (SS)					
18	Retractor Skin Hook (SS) 6"					
19	Retractor Blunt Hook (SS) 6"					
20	L-Retractor (SS) 6"					
21	Dissecting Scissor Curve (SS) 6"					
22	Dissecting Scissor Straight (SS) 6"					
23	Tendon Tunnellor (Curved) (SS) 8"					
24	Tendon Tunnellor (Curved) (SS) 12"					
25	Stripper (TFL Foot)					
26	Stripper (TFL Hand)					
27	Sponge Holder (SS) 8"					
28	Lasso Forcep (SS) 4"					
29	Right Angle Forcep (SS) 4"					
30	Towel Clip (SS) (Small)					
31	Digital/ Electronic Tourniquet					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
32	Plaster (POP) Cutter	Detail Specification enclosed as Annexure-A				
33	Interdental cleaning aids					
34	Irradiance Meter					
35	Oxygen Analyser					
36	Bubble CPAP					
37	Ventilator (Neonate)					
38	Body Care Massage Chair					
39	Slide Transport Box					
40	Intraocular Pressure Measurement Rebound Tonometer					
41	Fissure bur for straight Handpiece (#701/702)					
42	Mucoperiosteal Elevator					
44	Weighing Machine (Analog)					
45	Fluorescence Immunoassay Analyzer					
46	Urine Analyzer 10 Para					
47	Portable Wireless 6 lead ECG Machine with Web based Interpretation Solutions					
48	Heavy Duty Rack for Storage of Drugs					
49	LASA Box					
50	Trial Lens Set (Aluminium Cas, Metal, Rim, 266 Nos. of lences)					
51	Trial Frame for Adult (adjustable)					
52	Trial Frame for Child (adjustable)					
53	Ultra Sound Machine With Color Doppler					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
54	Auto Refractometer	Detail Specification enclosed as Annexure-A				
55	Interdental cleaning aids					
56	Irradiance Meter					
57	Body Care Massage Chair					
58	Non Contact Tonometer					
59	Cogniplus Machine					
60	Cognistat Assessment System					
61	Winconisin card sorting test and scoring system -64 computer version					
62	Orthopaedic Drill (Elcetric)					
63	Weinstens Monofilament					
64	K. Wire Cutter					
65	K. Wire Bender					
66	Plyer (Orthopaedic)					
67	Glaucoma Trabeculectomy Punch Instrument					
68	Iris holding forceps (Titanium Coated_					
69	Green's Hook for cataaract Surgery					
70	Intraocular Pressure Measurement Rebound Tonometer					
71	Phaco Emulsification (PHACO) Machine					
72	Sample transport Box					
73	Vaccine Carrier with 4 Nos. of ICE Box					
74	Cusco's Specullum (Disposable)					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
75	Biopsy Gun with 30 Disposable Needles	Detail Specification enclosed as Annexure-A				
76	Biopsy Gun Needles (Disposable)					
77	Biopsy Forcep					
78	Linear Probe (USG Machine) for breast cancer detection					
79	Thermo-coagulator					
80	Colposcope					
81	Quadricep Table					
82	Ankle Exerciser					
83	Couch					
84	Foreign Body Scoop					
85	Tripod stick					
86	Foldable Wheel chair					
87	Water Bed					
88	Cervical Traction (Electrical)					
89	Goniometer					
90	Knee Hammer					
91	Gelly Ball small					
92	Gelly Ball medium					
93	Hydroclator Bags (pelvic/ Back/Shoulder Knee)					
94	Electrode Pad					
95	Electrode Cable					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
96	Traction Belt(cervical, lumbar /pelvic, thorasic & ankle)	Detail Specification enclosed as Annexure-A				
97	SWD Pads					
98	Power Cable					
99	Strap					
100	Ice Pack					
101	Ankle Exerciser					
102	Gelly Ball small (Soft & medium soft)					
103	Gelly Ball medium (Soft & medium soft)					
104	Hydroclator Bags (pelvic/ Back/Shoulder Knee)					
105	Electrode Pad					
106	Electrode Cable					
107	Traction Belt(cervical, lumbar /pelvic, thorasic & ankle)					
108	Power Cable					
109	Strap (Small, Medium & Large)					
110	Goniometer					
111	Knee Hammer					
112	Weight Cuff set, 1/2 kg, 1kg & 2kg					
113	Neoprene Dumbel set 1kg, 2kg & 3kg					
114	Manipulation Couch					
115	Office Table					
116	Revolving chair					
117	Low Height Couch					
118	Cervical Traction (Electrical)					
119	Water Purifier					
120	Handpiece lubricant					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
<u>EIF under NPPC</u>						
1	Commpde Wheel Chair	Detail Specification enclosed as Annexure-A				
2	Calipers (Knee Brace) (Adult)					
3	Clutches (Elbow)					
4	Clutches Auxiliary					
5	Weight Cuff (1Kg)					
6	Air-Bed					
7	Pneumatic Ring for Bed Sore Management					
EIF for NOHP						
1	Lower Molar Forecps (SS)	Detail Specification enclosed as Annexure-A				
2	Lower pre molar Forceps (SS)					
3	Lower Anterior Forceps (SS)					
4	Upper Molar Forceps Left (SS)					
5	Upper pre-molar Forceps (SS)					
6	Upper root Forceps (SS)					
7	Upper cow horn Forceps Left (SS)					
8	Upper cow horn Forceps Right (SS)					
9	Cryer Elavators (SS)					
10	Coupland Elavator (SS)					
11	Warwickj James Elavator (SS)					
12	Periosteal Elavator (SS)					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
13	Straight Elavator (SS)	Detail Specification enclosed as Annexure-A				
14	Curved Scissor (SS)					
15	Mosquito Artery Forceps (SS)					
16	Curved needle for dental use (SS)					
17	BP Handle for No. 15 Blade (SS)					
18	Surgical Curette (SS)					
19	Tweezers for Dental use (SS)					
20	Bone rongeur for dental use (SS)					
21	Bone File (SS)					
22	Surgical Burs (SS)					
23	Upper 3rd Molar Forceps (SS)					
24	Pedo extraction Forceps (SS)					
ENT Department						
1	Endoscopy Unit (Fixed)	Detail Specification enclosed as Annexure-A				
2	Endoscopy Unit (Portable)					
3	Fess Instrument Set					
4	Tympanoplasty Instrument Set					
5	Portable LED Surgical Head Light for OT					
6	BP Handle No.3					
7	BP Handle No.4					
8	Fine Scissor Blunt					
9	Fine Scissor Sharp					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
Dental EIF						
For Minor Oral Surgery						
1	Fissure bur for straight Handpiece (#701/702)	Detail Specification enclosed as Annexure-A				
2	Round bur straight handpiece					
For Restoration/ Filling						
1	Single bond Universal Adhesive	Detail Specification enclosed as Annexure-A				
2	Finishing burs for airotors					
For Root Cannal Treatment (RCT)						
1	Electronic Apex Locator	Detail Specification enclosed as Annexure-A				
2	Non end cutting (safety) burs					
3	Rotary Files 4%					
4	Rotary Files 6%					
5	2% K files NO. 06, 08, 10					
6	4% Gutta Percha (GP)					
7	Sodium Hypochloride 3%					
8	Ball Burnisher					
For Scaling						
1	Prophy Paste					
For Prosthesis						
1	Alginate	Detail Specification enclosed as Annexure-A				
2	Impression Compound					
3	Green Stick					
4	Acrylic Monometer, Polymer					
5	Vulcanite Bur					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
6	Round end tapered bur	Detail Specification enclosed as Annexure-A				
7	Flame shaped bur					
8	Needle diamond tapered bur					
9	Impression Paste					
For Oral and Maxillofacial Surgery						
12	Plating system with screw drivers (Size-1.5mm)	Detail Specification enclosed as Annexure-A				
13	Plating system with screw drivers (Size-2mm)					
14	Plating system with screw drivers (Size-2.5mm)					
EIF for Labour Room & Minor OT						
1	Sterilization Drum (Medium)	Detail Specification enclosed as Annexure-A				
2	Basin (Small) SS					
3	Episiotomy Scissor SS					
4	Chettle Forcep					
5	Labour Table Mattress					
6	Labour Table Regin					
7	Flex Metalic End tracheal Tube (Size 7, 7.5)					
8	Corrugated Drainage Sheet					
9	Sterilization Drum (Large)					
10	Delivery set with cover					
11	Utility Gloves (Each Pair)					
12	Long Gloves (Each Pair)					
13	Infant Feeding Tube (Size-6)					
14	Nasal Prongs (Neonatal)					
15	NASG Kit					
16	Dressing Tray (Large)					
17	Tonsil Set					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
EIF for SNCU						
1	Dressing Trolley	Detail Specification enclosed as Annexure-A				
2	Bilirubinometer					
3	Infantometer					
4	Scissors container Tray					
5	Steel Tray with cover					
6	Oxygen Key					
EIF for Othopedics						
1	Electronic Cautery machine	Detail Specification enclosed as Annexure-A				
2	Electronic Tourniquet					
3	C Arm Compitable O.T Table					
4	Battery Operated Bone Drill					
5	C-ARM IMAGE INTENSIFIER					
6	Electric Suction machine					
7	Lead apron with thyroid Shield					
EIF for General Surgery						
1	Self-illuminating transparent proctoscopy	Detail Specification enclosed as Annexure-A				
2	Upper GI endoscope Unit					
3	Infrared Coagulation for Piles					
4	Mayo's dissecting forceps (Small)					
5	Mayo's dissecting forceps (Medium)					
6	Mayo's dissecting forceps (Large)					
7	Needle Holder SS (Small)					
8	Needle Holder SS (Medium)					
9	Needle Holder SS (Large)					
10	Piles Gun					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
11	Piles Band	Detail Specification enclosed as Annexure-A				
12	Allie's Forceps SS (Small)					
13	Allie's Forceps SS (Medium)					
14	Twister SS					
15	Toothed Forceps SS (Small)					
16	Toothed Forceps SS (Medium)					
Other EIF						
1	LED Television 55"	Detail Specification enclosed as Annexure-A				
2	Cervical/ Lumbar Traction (Electrical)					
3	Manipulation Couch/ Manual therapy Bed					
4	Table Top Centrifuge (Centrifuge Machine) (High Speed)					
5	Hemechip cellulox acetate paperbond microchip portable electrophoresis devices					
6	Sample Transportation Box					
7	Vaccine Carrier					
8	CBNAAT Catridge (25 Test/ Kit)					
9	Truenaat Micro PCR MTB Test Kit (25 Test/ Kit)					
10	Truenaat Micro PCR MTB-RIF DX Test Kit (25 Test/ Kit)					
11	Truenaat real time Micro PCR Chip, DNA isolation Kit (for Hepatitis B) (25 Test/ Kit)					
12	Truenaat real time Micro PCR Chip, DNA isolation Kit (for Hepatitis C) (25 Test/ Kit)					
13	Biopsy Gun with 30 Disposable Needles					
14	Biopsy Gun Needles (Disposable)					
15	Biopsy Forcep					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
16	Cusco's Speculum (Disposable)	Detail Specification enclosed as Annexure-A				
17	BD Lithium Heparin Vacutainer specimen Tube					
BMW Articles						
1	BMW Transportation Trolley with 4 Color Bin 120 Litres	Detail Specification enclosed as Annexure-A				
2	BMW Transportation Trolley with 4 Color Bin 80 Litres					
3	Puncture Proof Container (Blue) 1Litres					
4	Puncture Proof Container (Blue) 2Litres					
5	Puncture Proof Container (Blue) 5Litres					
6	Puncture Proof Container (White) 1Litres					
7	Puncture Proof Container (White) 3Litres					
8	Puncture Proof Container (White) 5Litres					
9	BMW Bin 30 Litres (Red, Yellow & Black) (Each)					
10	BMW Bin 20 Litres (Red, Yellow & Black) (Each)					
11	BMW Bin 10 Litres (Red, Yellow & Black) (Each)					
12	BMW Bin 5 Litres (Red, Yellow & Black) (Each)					
13	BMW Polythene Bag 50 Litres (Red, Yellow & Black) Per KG					
14	BMW Polythene Bag 30 Litres (Red, Yellow & Black) Per KG					
15	BMW Polythene Bag 20 Litres (Red, Yellow & Black) Per KG					
16	BMW Polythene Bag 10 Litres (Red, Yellow & Black) Per KG					
17	BMW Polythene Bag 5 Litres (Red, Yellow & Black) Per KG					
18	General Waste Bin 50 Litres (Black)					

Sl No.	Name of the Item	Specification	Name of the Manufacturing Firm	Unit Rate (In Rs.)	GST (In Rs.)	Total Cost (In Rs.)
19	General Waste Bin 50 Litres (Green)	Detail Specification enclosed as Annexure-A				
20	General Waste Bin 50 Litres (Blue)					
21	BMW Polythene Bag 50 Litres (Black, Blue, Green)(per Kg)					
22	Gum Boot (High Ankle Length) per pair					
23	Utility Gloves (Elbow Length) per pair					
24	Plastic Apron (free Size) (Disposable)					
25	Sodium Hypochloride Solution (10%) 5 Litres Jar					
26	Hub Cutter (Mannual)					
27	Dispenser with Catridge (For Sanitation)					
28	Catridge for Dispenser					
29	Non Invasive HB Meter					
Furniture & Fixtures						
1	Consultation Table (3 x 5)	Detail Specification enclosed as Annexure-A				
2	Consultation Table (2 x 4)					
3	Chair for Staff					
4	Plastic Chair in waiting Area					
5	Almirah (19" x 36" x 78")					
6	General Rack					
7	Fan					
8	White Board (Medium)					
9	Stool for Patient					
10	Office Desk					
11	Computer Table					
12	Revolving Chair					
13	Staff Locker					
14	3 Seated Chair					

SPECIFICATIONS

NPPCD, NOHP, PHC HWC Lab. & PHC HWC Physiotherapy Programme

1. **Head Light** :-

Purpose: Coaxial luminaire provides shadow free illumination for improved efficiencies Light weight and comfortable head band options : Yes, Supply of accessory like charger, cable & batteries : Yes, Color of light : Cool day light, Brightness (Lumen): 40, Color Temperature (Degree Kelvin): 4500 degree K, Minimum LED Life (Hours): 20000, Nature of focusing: Spot, Portable compact design with no wires- into shirt pocket: Yes, Charging time (Hours): 2-4Hours, Color rendering index (CRI): 90, Type of battery : Alkaline, Run time (Minutes): 60, ON/OFF control: Yes, MINIMUM Spot diameter (mm): 10, MAXIMUM Spot diameter (mm) : 60, Standards: Product complies with: IEC 60601-1 and IEC60601-2-41 :Yes, Model Should be CE/BIS certified :Yes, Manufacturer should be ISO13485 certified: Yes

2. **Ear Specula**:-

Shape: Oval cone design, Material: Stainless Steel, antimagnetic, acid-resistant Supply: Set of 4nos.Diameter: 3mm, 4mm, 5mm& 7mm respectively. Sterilization / Disinfection: Completely reusable and fully autoclavable. Each instrument shall be embossed/etched with manufacturer's name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss' Manufacturer should be ISO 13485 certified, Product should be CE/BIS approved

3. **Nasal Speculum**:-

Type: Thudichum, Product: Nasal Specula, Profile: Set of 3(Adult sizes-4&5 & paediatric sizes-3), Specialty: Rhinology Instruments, Material: Stainless Steel (ASI410/420) Surface Finish: Satin , Sterilization / Disinfection: Completely reusable and fully autoclavable. Each instrument shall be embossed/etched with manufacturer's name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss', Manufacturer should be ISO 13485 certified, Product should be CE/BIS approved

4. **Mouth Mirror**:-

Type Mirror With Handle, Shape of Mirror: Round, Diameter of Mirror (mm) set: 18 millimetre & 20millimeter, Material of housing of the mirror: Medical Grade Stainless Steel(316/ASi410), Anti Fog Coating Yes, Thick Non-Slip Handle for perfect grip: Yes, Mirror should be With minimum 10 Cm Length of Handle: Yes, Mirror should be detachable from the handle: Yes, Extra light and handy for more fatigue-free working : Yes

GENERAL FEATURES

Product Description: Dental Mouth Mirror or Dentist's Mirror, Clinical Purpose: For allowing indirect vision by the dentist, reflecting light onto desired surfaces and retraction of soft tissues, Disposable or Reusable: Reusable, Sterile :Yes, Autoclavable: Yes, PACKAGING: Individually Packed, CERTIFICATIONS & REPORTS, Submission of Test Report from Central Govt./ NABL/ILAC accredited Lab to prove the conformity to declared specification at the time of supply: YES, Product certification: Manufacturer should be ISO13485 certified, Product should be CE /IS approved, WARRANTY & MAINTENANCE

Warranty (Yrs): Replacement warranty of 1year.

5. **Tongue Depressor**:-

MAYO TONGUE DEPRESSOR, Types shape Flat with round ends, Stainless Steel(ASI410/420), Surface Finish: Polish, Sterilization / Disinfection: Completely reusable and fully autoclavable. Each instrument shall be embossed/etched with manufacturer's name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss', Manufacturer should be ISO 13485 certified, Product should be CE/BIS approved, Child Size 140mm, Adult Size 200mm

6. Foreign Body Removal Forceps: -

Name: Alligator, Type: Forceps, Size: 5 1/2", Surface Finish: Polish, Curvature: Straight Jaws with angled Shanks, Working Surface style: Horizontally Serrated, Material: Stainless Steel (ASI410/420), Sterilization / Disinfection: Completely reusable and fully autoclavable. Each instrument shall be embossed/etched with manufacturer's name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss', Manufacturer should be ISO 13485 certified, Product should be CE/BIS approved

7. Otoscope: -

Diagnostic Otoscope rechargeable set is to be supplied in Leather / hard case preferably HIP (High Impact Plastic) with internal soft cushion material for easy portability and protection: Yes, Light source: LED bulb, Lamp Hour: 20,000 hours minimum /2years warranty of free replacement, Number of Spare bulbs to be provided along with the otoscope:0, Speculum adapter to be provided : Yes, Number of sets of different sizes of Ear Specula to be provided along with otoscope : 2nos (One for Adult & one for pediatric), Disposable :No, It should be reusable , Removable Otoscope head : Yes, Rotatable lenses : Yes, Rechargeable handle: Yes

Provision for variable light intensity : Yes, CRI: Minimum 90, Color temperature: 4300K minimum, CONSTRUCTION/FUNCTIONAL FEATURES, Material of the device body: Medical Grade Stainless Steel/Medical grade ABS body, Instrument Head Matt-black from inside: NA, Fibre optics for Cool Light Transmission: Yes, Magnification: 3x/3.5x, Wide angle viewing lens allowing instrument under Magnification: Yes, Provision of sealed system for Pneumatic otoscopy with detachable pneumatic bulb : NA, Voltage Rating of the bulb (Volts)(Min) :2.5/3/3.5, Type of rechargeable battery: Li-ion/Ni-Cd/AA, Capacity of the Battery (mAh):NA, Battery Voltage(Volts) : 2.5/3/3.5, Continuous runtime of the battery (Minutes): Minimum 60minutes, Charger to be provided along with the device: Yes, Weight (gms):200-300, STANDARD, Conformity to Standard: EU-CE/USFDA/BIS, Manufacturer should be ISO13485 certified.

8. Jobson Horn Probe: -

Jobson Horn Probe size: 5.5", Features: double end one side screw and other side round loop. Rust free sturdy construction for better grip. A light-weight, flexible and strong. Probes designed as a dual-purpose instrument with Curette loop at one end and a threaded section at the other for holding wrapped cotton wool. Reduced patient trauma due to smooth edges. Sterilization / Disinfection: Completely reusable and fully autoclavable. Each instrument shall be embossed/etched with manufacturer's name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss', Manufacturer should be ISO 13485 certified. Product should be CE/ BIS approved.

9. Tuning Fork: -

Nickel-plated steel, material thickness 8 mm, Frequency: 128 Hz / 512 Hz and 1024 Hz. Sterilization / Disinfection: Completely reusable and fully autoclavable. Each instrument shall be embossed/etched with manufacturer's name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss'. Manufacturer should be ISO 13485 certified. Product should be CE/ BIS approved.

10. Noise Maker: -

Bell made of brass. Minimum length -8.5cm and minimum weight -70gram. Should be child friendly. Manufacturer should be ISO certified.

11. Periodontal probe: -

Double ended periodontal probe. Provides accurate pocket depth measurement – and information on sub gingival calculus and other root surface unevenness, Ball end of \varnothing 0,5 mm - Increases tactile sensitivity - Does not damage tissue or pierce pocket bottom, Sterilization / Disinfection: Completely reusable and fully autoclavable. Each instrument shall be embossed/etched with manufacturer's name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss', Manufacturer should be ISO 13485 certified, Product should be CE/BIS approved

12. Tooth Model: -

Enlarged mouth model with toothbrush to demonstrate correct brushing and dental care. This model is three times life size and has normal anatomy. It's great for teaching proper brushing and flossing techniques. This teeth care demonstration model features a mouth with 32 teeth at three times life-size, for closer observation, European CE Declaration according to 2014/53/EU and European Directive on Medical Devices, Manufacturer's Quality Certification according to ISO 13485 Yes, Packing Each model should be packed individually. Warranty 1 year

13. Torch: -

Should provide even field of light, Bright and natural white light by high performance LED. LED burns at least 20,000 hours. Metal /ABS casing. Easy to use with on/off switch. Includes blade holder, batteries and nylon case. Designed for durability, comes with a 2-year warranty including LED, Adjustable spot size from 2-5CM. Manufacturer should be ISO certified. Product should be CE/BIS approved

14. Tooth Extraction Forceps Set(Adult): -

GENERAL FEATURES

Product description: Dental Forceps for extraction of tooth, Purpose For dental extraction of tooth, Utility Dental surgeries of Adult,

PRODUCT INFORMATION

Items in Extraction forceps set: Upper anterior, Lower anterior, Lower molar (Right), Lower molar (Left), Upper molar (Left), Upper molar (right), upper premolar, lower premolar. Anatomically-designed beaks for a sure, effective grip: Yes, Thick and non-slip handle: Yes

Longevity and corrosion resistant material: Yes stainless steel (ASI 410/420), Cleaning, disinfection and sterility: All instruments autoclavable, DIMENSIONS & MATERIAL

Minimum Handle length (Cm):10, Material of all instruments :Surgical Grade Stainless steel(ASI410/420), Rockwell hardness (HRC): 1, Tensile strength (Mpa) : 1, STANDARD

Product conformity to standard ISO 13485, Product should be CE/BIS approved,

PACKING MODE

All the instruments along with user manual, warranty card, Dehumidifier, Cleaning brush, Cleaning cloth etc packed in a carrying case : Yes, Packing Each carrying case packed Individually

CERTIFICATIONS & REPORTS

Submission of Test Report on form 39 or from Central Government /NABL/ILAC accredited Lab or Manufacture's in-house Test Report to prove the conformity to declared specification at the time of supply Yes

Product conformity certificate is to be provided to the buyer at the time of supply Yes

WARRANTY

Minimum Warranty (yrs) : 5 years replacement

15. Binocular Microscope

Microscope Type: laboratory binocular non-hinged type with built in light and with light intensity regulator. Conformity to Indian Standard: Research IS:5204 latest. ISI MARKED :NA. Eye piece Type :Compensating. Binocular Eye pieces Confirming to the requirements of IS: 8275/1976 (latest) :Yes. Eye Piece with magnification :Set of Two For Binocular 10x. Objective Type : achromatic. Objective Magnification :100X,40X,10X,4X. Numerical Apertures of Objective: 1.25. Type of lamp for Illumination :LED. Plano Concave mirror attachment :Yes. Stage : Rectangular Size of Stage : 76 X 40 MM/Standards Size. Coarse and Fine Movement of stage:Yes. Co-axial focusing :Yes. Micrometer Arrangement :No

ACCESSORIES

Extra eyepieces (inclusive in the scope of supply) : NA. Carrying case (inclusive in the scope of supply):Yes. WARRANTY. Warranty 2 year.

CERTIFICATION

Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification No. Test Report No and Date N.A. Name and Address of the

Lab N.A. Manufacturer Should be ISO13485 certified. Model should be CE/USFDA /ISI approved

16. Near Vision Chart: -

Name of Tool : Lea Symbols Near Vision Card/ISIHARA Near Vision Chart, Type : "16 inches/40 centimeter Lea Near vision chart", Objective : To fulfill the criteria to be a good vision for children by measuring near visual acuity, Use : "To assess the child's functional vision at near distances", Utility: Pre-school children of 3 to 5 years age group, PRODUCT INFORMATION AND TESTING, "Front side of the Lea symbol cards printed with proportionally spaced (log MAR) lines" : Yes, "Back side of Lea symbol card printed with 25% and 50% spacing" : Yes, "The card contains very familiar 4 symbols like circle, square, house and apple" : Yes, All optotypes should be similar legibility : Yes, Each line should have optotypes size ranging from 20/400 to 20/10 (6/120 to 6/3) equivalent : Yes, Detection of mild amblyopia is possible with closed spacing of the symbols on Lea symbol card : Yes. Test distance (cm) : 40, Response key printed on the test card : Yes, "Includes Student response or training card and instructions" : Yes, Inclusive of conditioning flash card : Yes, Can be used as wall hanging : Yes, Material of the card "Non-tear waterproof material", Card size (cmxcm) : 20.3x25.4, PACKING, Packing (including user instructions) :Packed in a wallet CERTIFICATIONS, Certification Available :Yes, Manufacturer Quality certification (ISO) Product approval certificate for Clinical Use.

17. Color Vision Chart: -

- Individuals with color vision defect should see a different figure from individuals with normal color perception.
- Makes use of the peculiarity that in red-green blindness, blue and yellow appear remarkably bright compared with red and green
- Diagnostic plates: intended to determine the type of color vision defect.
- International standard test chart books for color deficiency 38 plates with user manual
- Book should be specially printed to measure incrementally higher color sensitivity and specificityManufacturer should be ISO certified.

18. Snellen's Chart: -

Snellen chart with Red/Green bar to test visual acuity.

Assessment distance 6m.Size: 23 x 35.5 cm

19. Stadiometer

Standards:

- Conformity to Stadiometer as per ICDS standards: Yes
- Stadiometer designed to Measure Height of Adult and Children aged 24 Month and Above inVertical Position: Yes

Performance Parameters

- Smallest Graduation for Stadiometer (cm) : 0.1 cm
- Accuracy for Stadiometer (cm) : (+/-)0.1 cm
- Precision for Stadiometer (cm) : (+/-)0.1 cm

Dimensional and Material Parameters

- Unit of Measurement: In Centimetres
- Measuring Length in vertical position of Stadiometer (should be able to measure up to 200 cm at least) :200 centimetre
- Width of board for stadiometer (cm):Approx. 5.5 cms
- Width of board for stadiometer (cm):Approx. 5.5 cms
- Material of Board: mild steel rust proof

Additional Features

- No part Should be Loose or Shaking During Transportation: Yes
- Double sided graduation Parallel to Board for Easy Measurement: Yes
- Stable connection assuring precise and accurate measurement: Yes
- No need of calibration as all parts have prefixed position: Yes
- Stadiometer should have Firm flat surface: Yes

- Designed for heavy duty use in demanding conditions: Yes
- Simple and fast set up, no tool (screw driver etc) required: Yes
- Orientation of numerals on the measurement scale: parallel to the board: Yes
- Stadiometer should have large foot plate providing extra stable base and smoothly gliding measuring slide/wedge: Yes
- Stadiometer shall have Adjustable feet for stability on uneven or soft ground and also spirit level indicator to check flat surface: Yes
- Fold-up Mechanism and low-weight, making it compact and easy to transport: Yes
- Stadiometer shall be free from sharp edges and corners : Yes
- Stadiometer shall have friction feature between board and measuring slide/wedge for preventing the latter from drooping when released: Yes
- Durable, Resistance to excessive Humidity, High temperature resistant, water resistant and shock Resistant :Yes

Stadiometer supplied with :

- 1 Carry bag or carry case made of long lasting fabric, zipper closer
- (ii) removable, adjustable shoulder/back strap(s) and
- (iii) small side pocket for storage of operating instructions, loose parts and/or stationery material :Yes
- Stadiometer supplied with Instructions for use, training, maintenance and trouble shooting in English, Hindi and any other regional language as per requirement, appropriately illustrated with pictograms : Yes
- Packed in a carton box which should be of sturdy quality and provides adequate protection of the goods while in transportation :Yes
- Reports Model approval from Director (Legal Metrology) : Yes
- Certificate number and date from Director (legal Metrology) Department :IND/--/--/--- DATED:--/--/20--
- Type Test certificate including Environmental conditions from Regional Reference and standard laboratory (RRSL) : Yes
- RRSL Certificate Number, date and address
- Calibration from concerned weight and measurement controller ate to be obtained at the time of supplies : Yes
- Model approval certificate, Type test and calibration certificate to be furnished if asked by buyer at the time of supplies: Yes

20. Digital BP Apparatus: -

Type Of SPHYGMOMANOMETERS or Blood Pressure recording unit: **Digital**
 Conformity to Indian Standard for SPHYGMOMANOMETERS : **NA for digital**
 Measuring device : **Automated**. Type : **Integrated**
 ISI MARKED : **NA for digital**. Measurement Method : **Oscillometric**
 Display for Digital BP instrument: **LCD(Liquid Crystal Digital) Display**
 Range: Pressure measurement (mmHg) : **0 to 300**
 Range: **Pulse measurement for digital with accuracy & plusmn; 5%. (per minute) 40 to 200**. Accuracy: Pressure measurement (mmHg) : **+/- 3**. Pressure Detection : **Capacitive Pressure sensor**. Inflation Automatic Pressure Application by pump. Deflation and rapid Air Release : **Automatic Pressure Release Valve**. Cuff Range : **Medium (22-32)cm**. Cuff: **disinfect able one piece and bladder cuffs, tested according to ISO 105 EO1/ equivalent standard**. Operating Temperature range : **0 to 55 degree Celsius**. Stroage Temperature range : **(-10) to 55 degree Celsius**. Automatic power off if system is idle for 3 minutes :**Yes**. Weight (in gram) :**230**. **Power**
 Power Source: **AA size chargeable battery set**. Type of AA Size chargeable Battery (AA Size) :**Alkaline/ Li-ion**. **WARRANTY, CERTIFICATIONS, TEST REPORTS**
 Availability of Type Test Report covering complete test parameters as per IS3390 latest for Mercurial and IS7652 latest for Aneroid type, from any ILAC/NABL accredited/Central GovLABFor digital type including Environmental test from any ILAC/NABL accredited/Central Gov LAB : **Yes**. CE Marking Certificate for B.P. Apparatus

Model. Yes. For Digital Sphygmomanometer ,Availability of Type test reports consisting of verification of all the features & functional parameters & environmental tests sequences as under: a) Dry heat test (For 16 hours at a temp of 55degree C in accordance with IS: 9000/part-3/section-3/1977)latest : **Yes**. For Digital Sphygmomanometer Cold test(For 4 hrs at a temp of (-10) degree C in accordance with IS: 9000/part-2/section-3/1977)latest c) Damp Heat Cyclic Test (For 2 cycles of 24 hrs at a temp 55 degree C & 95% RH in accordance with IS: 9000/part-5/section-1/1981)latest Note:- The BP Instrument shall be checked for all the parameters before conditioning After completion of the above environmental tests sequence, with a recovery period of 1 to 2 hrs, BP Instrument shall be functional " Yes

21. Aneroid BP apparatus: -

CONFIGURATION DETAILS

Type Of Sphygmomanometer: **Aneroid. Design:** Corrosion resistant shock proof body, chrome plated metal/ stainless steel pressure control valve. Conformity to Indian Standard for SPHYGMOMANOMETERS :**IS 7652 latest for Aneroid. Measuring device :Mechanical**

Type :**Portable. Measurement Method:auscultatory. Display for BP instrument:**Gauge's background in white color. Graduated scale for ever/ 2mmhg, every 10 units and every 20 units.

Range: Pressure measurement (mmHg) : **0 to 300. Accuracy:Pressure measurement (mmHg) +/- 3. Pressure Detection: NA. Deflation and rapid Air Release: Manual**setting of deflation possible up-to 2/3mm Hg/sec. From 260mmHg To 15mm Hg in a maximum deflation time of 10 seconds

Cuff Range: **(22-32)cm. Cuff Type:** Nylon straps cuff with pouch, latex bulb with completely chromium plated valve with regulation of vent-hole air by screw valve. Sterilization / Disinfection: **The cuff should be disinfect able one piece and bladder cuffs, tested according to ISO 105 EO1/ equivalent standard.** Tube : Single rubber tubes used should have an internal diameter of 3 ± 0.5mm and the external diameter should not be less than 8mm

Dimensions of the Equipment (mmXmm): NA

Dimensions of the Dial screen (mmXmm) : The dial manometer with diameter of 50 mm-60mm

Operating Temperature range 0 to 55 degree Celsius

Storage Temperature range (-10) to 55 degree Celsius

Weight (in gram) 150

WARRANTY, CERTIFICATIONS, TEST REPORTS

Availability of Type Test Report covering complete test parameters as per IS7652 latest for Aneroid type, from any ILAC/NABL accredited/Central GovLABFor digital type including Environmental test from any ILAC/NABL accredited/Central Gov LAB: Yes

CE/IS Marking Certificate for B.P. Apparatus Model. Yes

22. Urine Analysis(DIPSTICK): -

Specification of DIPSTICK:Dipsticks for urine test for protein and sugar (1 container of 100 strips). Product :Urine Test Reagent Strips. Purpose : To determine pathological changes in a patient's urine in standard urinalysis. The entire reagent strips should be disposable: Yes. Each strip should be stable and ready to use upon removal from the bottle Yes. Urine Reagent Strips provide tests for the following parameters:1. Glucose, 2. Bilirubin. 3. Ketone (Acetoacetic acid). 4. Specific Gravity. 5. Blood. 6. pH. 7. Protein. 8. Urobilinogen. 9. Nitrite 10. Leukocytes. 11. Ascorbic Acid in Urine.

The Urine Reagent Strips should be packaged along with a drying agent in a plastic bottle with a cap to provide complete air tight. Each strip should be stable and ready to use upon removal from the bottle. The entire reagent strip should be disposable. Results are obtained by direct comparison of the test strip with the color blocks printed on the bottle label. All the reagent strips should be withstand at a room temperature between 15°-30°C (59°-86°F) and out of direct sunlight. The minimum self-life of the urine strips should be 1year unopened and minimum 3months once it is opened. The required controlled shall be provided along with the strip packet. The strip pack sizes should be of 100 sizes.Quality Standards: Availability of Test Report from Central Govt/NABL/ILAC accredited Lab to prove the conformity to the declared specification (Proof of the same to be submitted to buyer on demand) : YES Availability of Valid Drug License

from the appropriate Drug Authority defined under Drugs and Cosmetics Act, 1940(Proof of the same to be submitted to buyer on demand) For Manufacturing Urinalysis Strips, For Sale or Distribution of Urinalysis Strips

Drug License Number: To provide Drug License date : To provide ISO 13485/ ICMED 13485 Certified Manufacturer (Proof of the same to be submitted to buyer on demand): YES

CE(IVD) /BIS approved Manufacturer should be ISO 13485 certified.

23. Peak Flow Meter: -

The PeakAir Peak Flow Meter is used to measure your “Peak Expiratory Flow Rate,” which is simply the highest speed you can blow air from your lungs. Type: Mechanical Peak Flow Meter. Instant readings to help track any changes in the air flow. Dual Flow Range: Accurately measures for both adults and children. Compact, lightweight and portable. Built-in flexible three zone management system. Easy- to- read numbers. Measurement Range 40-800 L/min. Accuracy and repeatability assurance. Washable. Standards. EN ISO 23747: 2009 compliance. CE Approved/BIS . Manufacturer should be ISO 13485 certified. WARRANTY: The product is available with 1-year warranty. Peak Flow Meter-1, Reusable Mouthpiece-4 nos(2-Children & 2 Adults), Instruction Manual

24. Lab Autoclave: -

Type of Sterilizer: **VERTICAL CYLINDRICAL Steam Sterilizer Pressure type Sterilizer Chamber size:** 300 mm (Diameter) x 350 mm (Length), with Silicon door gasket (expansion type). Electric load of the unit shall be: **2-3 KW**. Steam supply to Sterilizer : Steam Generation by electrically heated using immersion heaters wired for operation on 1 phase wire 230 Hz AC supply [with immersion heaters having mineral filled sheathed heating elements conforming to IS: 4159/2002 duly BIS marked and complying with safety requirements as per IS : 302-2-201(1992)] it should work with 1 phase 220/230 V 50 Hz AC supply. Material: Sterilizer parts; Chamber, Jacket, Door, Door Ring and shall be made of SS 316/SS316L. Type of control: Manual Provision of Lock on Steriliser Chamber door: Manual Lock. Display facility for Sterilisation Cycle parameters : Manual pressure Gauge Steam & vacuum release valve . Warranty Period: 3 year. Pressure, Steel & Spore Test Certificate from a Govt/NABL/ILAC approved testing laboratory shall be furnished by Seller to Buyer for the offered. Product should be CE/BIS approved Conformity to standard for electrical safety latest amendment : IEC – 60101. Manufacturer should be ISO13485 certified

25. Incubator: -

Conformity to Standards: CE/BIS. Conformity to standard for for electrical safety latest amendment : IEC - 61010

Performance Parameters

Purpose Bacteriological incubator are used for the incubation of biological products under controlled conditions

Type of Incubator : Bacteriological Incubator

Capacity in Litres 20

Material of Inner Chambers: SS 304

Material of Outer Chamber: CRCA (powder coated point) Steel

Ambient Temperature in °C: 5°C above ambient to 60 °C (Bacteriological Incubator)

Temperature Accuracy in °C: ±0.5°C

Temperature Uniformity in °C : ±2°C

Insulation : Glass wool

Controller : Microprocessor based PID control

Digital Display of temperature in °C : Yes

Type of Display : LED

Type of Temperature sensor : PT100

Power supply : 220 V , 50 Hz Single Phase

Door: Insulated door and fitted with heavy hinges and should have Toughened glass window Air circulation fan

Type of Shelves : Removable

Material of Shelves : SS wire mesh

Number of shelves : 2

Size of incubator (L x W x H) in mm x mm x mm: NA

Weight in kgs: NA
Auto power break off: No
Over temperature protection: Yes
Safety alarm system : Yes
Instruction manual to be provided : Yes
Warranty in Years : 1

Standards

Manufacturer should have ISO13485 certification: Yes
Copies of all certifications and reports to be provided to buyer on demand at time of supplies:
Yes. Product should be CE/BIS approved

26. Micro Pipette: -

Clinical purpose: Pipettes are most appropriate tools for drawing & dispensing of samples for users in the field of clinical diagnostics, control analysis and other areas. Technical Specification: Should have ergonomic design with light & smooth plunger action Should have soft feel handle grip having both left & right hand operation. Pipette handle should have thermoplastic elastomeric to prevent transfer of body heat to pipette volume during continuous usage Fully autoclavable: Entire pipette can be steam autoclaved at temp. Of 121 0C Should have larger & clear 3 digit display giving smaller increment for wider selection of volume Volume range should be of 10-100µl with increment of 1 µl Accuracy: 0.8 to 5% Should have locking mechanism to prevent accidental volume change during pipetting Should have one hand eject facility Should have in house clinical, repair and calibration facility The tip cone should have leak free operation, smooth and light loading operation with choice of using variety of tips. Should be compatible to universal tip types. Should be available with different color codes. Warranty: 3years.

Quality Standards:

- Should be USFDA/CE (IVD) approved product
- Manufacturers should have ISO 13485 certification for quality standards
- Should be applied with individual QC & calibration report according to ISO 8655.

27. Centrifuge-8 Tubes: -

Performance Parameters. Purpose: Separating Serum from blood or for urine sedimentation
Centrifuge Design: Bench Top. Weight including Default Rotor in kg: NA. Auto cut off: Yes
Timer provided: Yes. Maximum RPM 3000-3500. Number of steps for RPM variation :In steps /Continuous. Incremental Steps of Variable RPM :300-400. Type of Motor: Brushless (without carbons). Maximum Noise level when working at 1 meter distance in db 50. Ambient operating Temperature range in Degree centigrade Celsius and humidity range 0 to 50 degree centigrade and Relative humidity 15 to 90%. Rotor imbalance diagnostics and automatic stop if required: Yes. Facility to ensure that In case Machine is running and lid is opened with manual lock by user , machine shall stop: Yes. Maximum Timer Set range 60 minutes. Timer settings Provided :interval of 10 seconds up to 1 minute and over 1 minute up to 60 minutes in interval of 1 minute:NA. Display :LED /LCD. Speed Controller : Microprocessor controlled preprogrammed speed controller. Speed Control: Accuracy in case of set speed (Plus minus RPM). Rotor configuration: Swing Out Rotor. Rotor Feature with reference to Autoclavability: Autoclavable Rotor @ 121 Degree Celsius, Maximum Volume of the tube testable: 15 ml centrifuges tubes Rotor Size: 8X15ml. Power supply :Single phase, 230 V 50 HZ AC Source. Power consumption in watts: 500Max . Length of Power cord in meters 2. The Equipment shall be installed and demonstrated before Acceptance installation and demonstration: Yes. Accessories: Spanner to tight or loose Nut of Rotor on Motor shaft head puller, spare rotor nuts ,fuse-2, Warranty in Years 3. Material Parameters: Assembly Material for manufacture of Medical Centrifuge: Consists of Die cast Aluminum, Aluminum sheet, Stainless Steel, CRC Steel, Plastic and Rubber Lid Material of Medical Centrifuge : mC.R.C Steel Finish with Powder Coating or stove painting / ABS Plastic of injection molding. Body Material of Medical Centrifuge: C.R.C Steel Finish with Powder Coating or stove painting / ABS PLASTIC OF injection molding, Centrifuge Bowl material of Medical Centrifuge: 304 Quality Stainless Steel Molded. Material of Rotor : Aluminium, Standard:

ISO13485 certification for Manufacturer: Yes. Copies of all certifications and reports to be provided to buyer on demand at time of supplies Yes. Product should be CE/USFDA/BIS approved

28. Needle Destroyer: -

GENERAL Purpose :To destroy the used injection needles by instant electro melting process and to cut syringe tips manually using the appliance. Type : Portable and electrical. Principle of operation : Electro-melting type. **CONSTRUCTION.** Suitable sliding tray shall be provided for collection of residue and destroyed syringe tips : yes. Material of the Housing /enclosure : ABS Plastic. Housing/enclosure shall be moulded type and shock proof: yes. Provision to burn the needles and to cut the syringe tips shall be provided in the unit : yes . Manual cutter provided in the equipment Made of hardened blade of anti-corrosive SS material. Transformer winding : Copper. **FUNCTIONAL.** Number of needles of 1mm dia and 80mm length that can be destroyed in continuous operation of 5 minutes 50. Sizes of injection needles of all kinds which can be destroyed Dia Ranging from 0.4mm to 1.6mm (26 SWG to 14 SWG) with length 12.5mm to 80mm. **ELECTRICAL.** Power supply : 207V to 253V,50Hz AC supply. Power ON/OFF switch with indicator shall be provided : YES. Rated power(Watts): 60 Watt. Shall be provided with fuse and power cord of min 3m length and earthing point : YES. Manual of usage instructions : To be supplied by the supplier. **CERTIFICATIONS.** Manufacturer should be ISO-13485. Comply in general to IS:302Pt-1/1979 to ensure safe and reliable operation in normal use: YES. Occupational health and safety certification from approved bodies as per OHSAS 18001-2007 : YES. CE /BIS Certification from approved bodies : Yes.

29. Nebulizer: -

Product Quality Standard:

- Should be USFDA or European CE approved product (CE certificate must be issued by notified body).
- Manufacturer should be ISO 13485 certified
- Should comply with IEC 60601 safety standard.

Description of Function: Nebulizer is a device used to administer medication to people in forms of a liquid mist to the airways commonly used in treating Naked hard or cystic fibrosis, asthma, and other respiratory diseases.

Technical Specifications:

- Should be of Heavy duty compact nebulizer
- Heavy duty, Compact, lightweight, low noise(45dB \pm 3dB)
- Durable long life compressor.
- Suitable for heavy duty/ institutional (hospital) use
- Should be able to run uninterruptedly for one hour
- Max Pressure: 2.0 to 2.5 bars
- Operating pressure: 1to1.5bars
- Normal Air Flow: 41pm
- Should produce particle of size 1 to 5 micron.
- Mass median Diameter (MMD): 2.5 to 3 μ m.
- Output rate: 500gm/Min
- Made of Heavy duty ABS body
- Power supply: Power input to be 220 to 240V AC. 50Hz fitted with Indian plug of appropriate rating

30. Shoulder Wheel/ Over Head pully/ Shoulder ladder: -

Clinical use: Used for improving mobility & strength of shoulder girdle & rotator cuff muscles in case of frozen shoulder, paresis & paralysis cases.

Technical Specification:

A.Shoulder Wheel:

It should be a wall mounted one. The wheel for use of adult and pediatric The motion arc can be adjustable from 10 to 38 inches by adjusting the handle. The wheel shall be mounted on a two chrome plated height adjustable (8" to 26") rails. The resistance can be varied by turning the resistance knob. The manufacturer should be ISO certified

B. Over Head Pulley: Heavy duty,

medical grade, shoulders pulley exerciser for physical therapy use. □ Over the door metal bracket allows easy one hand setup. □ Units with a door strap require two hands, which is difficult with an injured shoulder. □ Easily adjustable cord length for any height and for use in both seating and standing position. □ The overhead pulley should have the provision of wall mounting. C. Shoulder Ladder: □ Wood Finger/Shoulder Ladder
 □ 32 vertical finger steps □ Solid wood with heavy topcoats □ Pre-drilled mounting holes
 □ The manufacturer should be ISO certified.

31. Lumber & Cervical Traction with Bed

. Lumber & Cervical Traction with Bed

1.1: Clinical Requirement: A cervical/lumbar traction device is used to help relieve pain associated with Cervical & Lumbar spine in case of Prolapsed inter vertebral disc, Listhesis of vertebra, Spinal nerve root Compression etc. and nerve root impingement. It also Spine and skeletal system, gently stretching the tight muscles and soft tissues of the spine area. By helping to open the space between the compressed vertebrae, a traction device assists in releasing the tension and pressure of the vertebrae structure.

1.2 Technical Specification:

- Microprocessor/ microcontroller based unit for treatment of cervical & lumbar regions of patient.
- It should be microprocessor controlled for smooth traction effect.
- The therapy time, HOLD and REST times should be easily programmable.
- Should be provided with Adjustable, single size PELVIC and THORACIC belts and the head halter fit for adult patient.
- The unit should have LED indicators for hold and rest time.
- Buzzer indicator for completion of treatment
- Separate selection for cervical and lumber
- The unit should be sensitive to weight for accurate operation.
- Force-4-90 Kg with doubler
- Cervical tension-4, 6, 8, 10, 12, 14 (Kg)
- Lumbar tension-18,21,24,27,30,33,40,45 (Kg)
- All the above increments are must be in steps.
- Mode: static and intermittent - cervical as well as lumbar
- Hold time-10-80 (Sec) adjustable in continuous mode.
- Rest time 1-20 (Sec) adjustable in continuous mode
- Treatment time - 1 to 30 minutes Adjustable.
- Patient control switch option should be there for safety.

1.3. Power Supply: The unit should work on 230volt & 50HZ supply

The unit should have inbuilt over voltage protection.

1.4. Quality Standard:

The model should be USFDA/CE/BIS certified

The manufacturer should be ISO13485 certified

The model should be compliance to electrical safety standards of IEC60601-1

1.5. TRACTION BED (MANUAL)

- Traction Bed - 3Fold sliding for horizontal cervical and lumbar traction
- Made of complete MS frame with wooden TOP Bed Dimensions:: 6' (L) x 2.5' (W) x 2.5' (H)
- Provided with appropriate dimension of mattress of 2inch thickness made of 40density PUF and cover with heat resistance rexin.
- Fully made on 30mm square tube with 18 gauge thickness.
- The lumbar section should roll freely on rollers for friction-free lumbar pull.
- The Cervical traction angle should controlled by vertical adjustment of the Machine mounting board.

1.6. Flexion stool: Adjustable Height range of 13"-20" which allows the therapist to place the lumbar spine into neutral or flexed position increasing patient comfort during traction treatments.

The manufacturer should be ISO certified.

32. TENS (Standalone Type)

Technical Specification

Type of the system: The model should be standalone table top model (Not Pocket/hand Held type)

Modes: Continuous, burst, linear, trapezoidal and nonlinear.

Treatment Timer: Adjustable Digital timer ranging from 0-30 minutes

Preset Program: The system should have Minimum 10 preset programs for easy operation.

Battery Life: Approx. 50 hours at nominal settings, Approx. 70 hours at nominal settings.

Power Supply: 230V AC, 50Hz line voltage along with internal battery backup.

Pulse Width: Adjustable 30 to 260 microseconds/60 to 250 microseconds/ 60 to 300 microseconds

Number of Channels: 4-Channel

Pulse Rate: Adjustable 2 to 150 Hz/4 to 150 Hz Battery Type: Alkaline/NiCad battery

Rechargeable Battery: Yes, Warranty: 3

Quality Standards

a) The model should be USFDA/ CE notified/BIS of the model specific to be certified. Certificate furnished in the Bid.

b) The Manufacturer should be ISO13485 /ICMED 13485 certified.

c) The model should be compliance to electrical safety standards of IEC 60601 1 Test certificate of the quoted model should be furnished in the Bid

33. Hydro Collator Unit: -

Clinical Use: A moist heat modality use as a superficial to medium penetration thermotherapy modality. Clinically use for chronic pain management & joint stiffness cases.

Technical Specification: Water tank made up of Stain less steel inner & outer Cabin (20-25 Gauge thickness). High grade thermally insulated Static/Movable base Top lid of stainless still, thermally insulated with Fibre handle. Product Type: Table Top. Dimensions: NA Tank capacity: 10- L Temperature range: 50-90 degrees Celsius Thermostatic temperature control (50 - 90 degree C) - Auto cut-off Thermal cut-out temperature Temperature accuracy: +/- 10% Heat-up time to 90 degree Celsius: in 3 hrs.

Cool-down time from 90 degrees Celsius: 2 hrs. Power supply Mains power: 220-230 V, 50/60 Hz. Power consumption: 1000Watt. Safety Standard . Electrical safety class: Class 1, type B. Safety tests: Conforms to IEC 60601-1. Quality Standard: The model should be CE/BIS approved. The manufacturer should be ISO13485 certified. Accessories must include:

Hydro collator Moist Heat Hot Pac : Standard Size-1, Over size-1, Cervical Standard size-1, Hydro collator Knee or Shoulder HotPac-1. Cotton Towel: 4 pieces.

34. Traction Bed: -

i. Traction Bed – 4 Fold

ii. Size : 6 (L) x 2.5 (W) x (H) 3 feet

iii. For horizontal cervical and lumbar traction.

Should have complete with Storage Shelf & a Flexion Stool

Manufacturer should have ISO certified.

Product should be CE/BIS Certified

35. Adjustable Walker

Product type: Frame type, foldable walker

Purpose: Walking training device for improving postural alignment while walking, overcoming musculoskeletal impairments and for improving mobility anterior support with less energy consuming Usage Youth & OLD

PRODUCT INFORMATION

Posture control possible: Yes

Light weight: Yes

Wiped clean with a damp cloth: Yes

Safety mechanism provided to prevent the user from slipping while walking: Yes

Foldable for easy storage and transportation: Yes

Anterior support: Yes

Forearm Supports with latex free flanged hand grips: Yes

DIMENSIONS, MATERIAL & WEIGHT Stainless steel tubular Material frame: frame

Height of walker with standard wheels (cm) NA

Height of walker with activity wheels (cm): NA

Distance between hand grips (cm): 34

Frame width (Cm):58 to 60

Frame length (cm): 52-59

Maximum user weight Frame weight (kg): 100

PACKING MODE: 2.5 to 3.0

All the main parts and accessories are individually bubble wrapped and packed in a strong box to avoid transit damage Yes

Certification Available: ISO13485 for manufacturer Product should be CE/ BIS approved

WARRANTY: 1year

36. Walking Sticks

Purpose: Strength & Support Adjustable Height

Walking Stick of 3/4Lees

Material: Aluminium

Length:75-95cm

Weight:Max 0.85Kg

Grip handle

Quality Standard: Manufacturer should be ISO certified

37. Cervical Traction (Manual): -

Cervical Traction Kit is a complete apparatus designed to provide traction to the cervical and upper dorsal vertebrae.

Cervical traction Kit includes the following:

- Traction Pulley Bracket
- Cervical Traction Head Halter Cervical
- Traction Spreader Bar VAS
- Traction Cord (Nylon rope) 5meter.
- Traction Weight Bag with weights

Controlled continuous traction

Easy removal and application

Reduced frictional losses

Durable and sturdy for a long life and multiple use. Can be used in sleeping posture. Pulley is ergonomically designed to fit any bed side. Soft padded head halter provides a comfortable interface for the traction, is easy to wear and use. Manufacturer should be ISO13485 certified Product should be CE/BIS certified.

38. LUMBAR TRACTION MANUAL

It strengthens broken bones, immobilization or relieving pressure on the skeletal system.

Composition:

Universal type

Includes pelvic belt, spreader bar & 3 meter long cord

It contains traction water and sand weight bag traction pulley bracket

The pelvic traction belt traction cord and 8 kg weight

Manufacturer should be ISO 13485 certified.

Product should be BIS/CE approved

39. Exercise Bicycle: -

i) Tubular steel frame on properly balanced legs with four rubber tips

ii). Fitted with one hard rubber type wheel, standard chain and a socket

iii). Seat should be adjustable

iv). Should be fitted with a ball bearing resistance roller which permits controlled movement in riding

v. LCD/LED display with speedometer.

vi. Warranty: 3 Years

Manufacturer should be ISO13485 certified

Product should be CE/BIS certified

40. Grip Exerciser

Grip Exerciser: Use for strengthening of hand grip.

- Chrome plated finished, metallic grip exerciser is fitted on a 75mm wide laminated base.
- Suitable for patients with very weak/infirm hand.
- Gives heavy resistance with Six detachable springs.
- The upper bar is calibrated in centimeters and is provided with a needle to mark & record the daily progress.

41. Gait Training Apparatus/ Parallel bar: -

Clinical Use: It use for horizontal surface gait training, Coordination training of lower limb in various neurological conditions like paralysis, GBS, Parkinson etc.

Technical Specification

The parallel bar should be a height adjustable; plat form based one which should be very simple for easy accommodation of multiple patients of age group.

The handrails should be in single piece, circular in design stainless steel ribbed pipe of minimum diameter 1 1/2".

Both the end of the handrails should be fitted with bumpers.

The Uprights should be made of heavy gauge square 1 1/2" steel tubes.

All parts should be powder coated except the handrail. The handrail should single piece stainless steel pipe.

The uprights are to be fitted on a 1 1/2" thick hard plywood base water and termite resistance. Both end of this platform should be curved slope for obstruction free. The platform should be stain finish.

Both the end of the plat form should have two anti-slip threads for none skidding. Safety treads at both ends of platform should be provided for safety of the patient when take turn.

Models make it safer for patient to turn Minimum dimension of the structure:

Length of the bar: 10feet

Width of the bar: 25"-28"

Height adjustment of the Bar: 26"-39"

The manufacturer should be ISO 13485 approved.

42. Thera Bands /Elastic Bands

Thera hands /Elastic bands [Flat type]:

Clinical use: Stretch-It a resistive treatment & exercise system with unlimited options Technical specification:

With each roll of 15cm wide x 5 meter long bands.

Full Set of Five rolls come in following FIVE resistances for adult use.

Material latex-free, powder less professional-grade resistance band.

(a) Light: Yellow. (b) Medium-Light: Red.

(c) Medium-Heavy: Green (d) Heavy: Blue. (e) Extra-Heavy: Black.

43. Peak Flow Meter

The Peak Air Peak Flow Meter is used to measure your "Peak Expiratory Flow Rate," which is simply the highest speed you can blow air from your lungs.

Type: Mechanical Peak Flow Meter

Instant readings to help track any changes in the air flow.

Dual Flow Range: Accurately measures for both adults and children.

Compact, lightweight and portable

Built-in flexible three zone management system

Easy- to- read numbers

Measurement Range 40-800 L/min

Accuracy and repeatability assurance

Washable

Standards

EN ISO 23747: 2009 compliance

CE Approved/BIS

Manufacturer should be ISO 13485 certified

WARRANTY: The product is available with 1- year warranty.

Peak Flow Meter-1, Reusable Mouthpiece-4 nos (2- Children & 2 Adults), Instruction Manual

44. PHYSIOTHERAPY KIT

1. TENS 1 Nos.
2. TENS MST: 1 Nos.
3. Portable Ultrasound 1 Nos.
4. Therabands Set 1 Nos.
5. Hand Gripper 1 Nos.
6. Portable Pulleys 1 Nos.

7. Finger Extensor Band:1 Nos.
8. Ultrasound Gel Bottle 1 Nos.
9. Cotton Roll 1 Nos.
10. Carry bag 1 Nos.

1. TENS

Technical Specifications

- Type of the system: The model should be Hand Held type.
- Therapy Modes: Continuous, burst, linear, trapezoidal and non linear
- Treatment Timer: Adjustable Digital timer ranging from 0-30 minutes:
- Preset Program: The system should have Minimum 10 preset programs for easy operation
- Battery Life Approx 150 hours at nominal settings
- Power Supply 230V AC, 50Hz:
- Pulse Width: Adjustable, 30 to 260 microseconds/Adjustable, 60 to 250 microseconds/
adjustable, 60 to 300 microseconds
- Number of Channel: 4
- Channel Pulse Rate Adjustable: 2 to 150 Hz/4 to 150 Hz
- Battery Type Alkaline, NiCad battery Rechargeable Battery
- Warranty: 3

Quality Standards

- a) The model should be USFDA/ CE-notified/ais certified. Certificate of the model specific to be furnished in the Bid.
- b) The Manufacturer should be 15013485/ICMED 13485 certified
- c) The model should be compliance to electrical safety standards of IEC 60601-1.Test certificate of the quoted model should be furnished in the Bid

2. TENS MST

Rechargeable TENS Unit+Muscle Stimulator

The system should be standalone type/portable with facility of TENS & MST.

Digital technology

Number of Channels: 2 Channels

Maximum Output Current: 0-60mA

Modes Plain Galvanic, Pulsed Galvanic, Plain Faradic, Surged Faradic programs, Ionto, Plain TENS, Surged TENS

Should have Inbuilt programs (Minimum 8).

Adjustable treatment timer 0-30min minimum and intensity.

Additional currents: Russian Current

Low battery indicator

Accessories:

- I. Supplied with reusable pads: 4nos
- II. Supplied with battery: 4nos
- III. Clip Holder
- IV. 2 Wires
- V. Storage Bag

Quality Standards

- a) The model should be USFDA/ CE notified/BiS certified. Certificate of the model specific to be
- b) The Manufacturer should be 15013485 /ICMED 13485 certified
- c) The model should be compliance to electrical safety standards of IEC 60601-1,Test certificate of the quoted model should be furnished in the Bid

3. Portable Ultrasound

- Portable Hand held type Ultrasound therapy unit
- Output: 1 Mhz
- Mode: Continuous and Pulse
- Timer: 1 to 30 min
- Battery operated
- Weight: 200-250 Grams
- Display: LCD/LED
- Warranty 3.0

- The unit should have minimum 10 preset program for easy operation
- Supplied with
- Ultrasound gel (250 ml)
- Power supply cord

Quality Standards

- a) The model should be USFDA/ CE notified/BIS certified. Certificate of the model specific furnished in the Bid.
- b) The Manufacturer should be ISO13485 /ICMED 13485 certified
- c) The model should be compliance to electrical safety standards of IEC 60601-1. Test certificate of the quoted model should be furnished in the Bid

4. Therabands Set

Thera bands/Elastic bands (Flat type):

Clinical use: Stretch-It a resistive treatment & exercise system with unlimited options

Technical specification:

With each roll of 15cm wide x 5 meter long bands. Full Set of Five rolls come in following FIVE resistances for adult use.

Material: latex-free, powder less professional-grade resistance band

- (a) Light: Yellow.
- (b) Medium-Light: Red.
- (c) Medium-Heavy: Green.
- (d) Heavy: Blue.
- (e) Extra-Heavy: Black

5. Grip Exerciser: Use for strengthening of hand grip

- Chrome plated finished, metallic grip exerciser is fitted on a 75mm wide laminated base
- Suitable for patients with very weak/infirm hand.
- Gives heavy resistance with Six detachable springs.
- The upper bar is calibrated in centimeters and is provided with a needle to mark & record the daily progress.

6. Finger Extensor Band

Purpose: Grip strengthening, Balance and stabilizing the Wrist

Finger Stretcher Hand Resistance Bands

Color: Multicolor

Material: Silicon

Set: 3 pieces

Size: Standard

Resistance Level

- a) 3kg/6.6lb
- b) 4kg/8.8lb

45. Multi Para meter Monitor (5 Para)

Physical Specifications

- Power requirements: AC 100-240V, 30/60HZ, 60W
- Power : 90VA
- Temperature : 0-40
- Humidity : 0-93% non-condensing
- Safety : Meet the requirements of IEC60601 series
- Patient image: Adult, neonate and pediatric patients

Performance Specification

- Display: 12.1'(800 x 600 pixel) color TFT LED screen
- Display mode: Standard, big front, trend table, full lead ECG, Oxy CRG.
- Interface: Parameter cable interface
 - AC power input socket
 - Network interface

- Battery: 1 internal large capacity rechargeable battery
- Alarm Indicator: Visual on-display and integrated alarm light
Audible alarm
- Data storage: 108hour trend graph
168 tour trend table
2 hour trend wave
1024 alarm events
- Printer: Built-in 50mm thermal printer (option),
3 traces, print speed 12.5mm/s & 25mm/s & 50 m/s
Print width: 50mm
- Net working: Support connection to central monitoring station through LAN (TCP/IP) or wireless connection

ECG

- Leads type: 3/Lead : I, II, III, aVR, aVL, aVF, V
- Sweep Speed: 12.5mm/s, 25 MT/S, 50mm/s
- Gain selection: x0.25x0.5, x1, x2, Auto
- ECG waveform: 2 channels
- Operation mode: Diagnostic monitor surgery
- Heart rate range: 0-35 bpm
- Accuracy: 1bpm or $\pm 1\%$ whichever is great
- Alarm range: Audible and visual alarm, adjustable
- ST/ arrhythmia: Real time ST segment detection, ST segment detection and arrhythmia analysis
- Protection: Against electrosurgical interference and defibrillation

Respiration (RESP)

- Method: Thoracic impedance
- Operation mode: Auto
- Measurement range: Adult: 0-120 BrPM, neonatal/pediatric: 0-150 BrPM
- Apnea alarm: Yes
- Alarm: Yes, audible and visual alarm alarm events recallable

NIBP

- Method: Automatic oscillometric
- Operation mode: Manual/Automatic/STAT
- Auto measure time: Adjustable
- Measurement unit: mmHg/ kPa selectable
- Test interval: 1-480 minutes
- Measurement range: Adult: 0-300 mmHg
Child: 0-240 mmHg
Infant: 0-150 mmHg
- Over-pressure protection: Double safety protection
- Accuracy of blood pressure measurement: The mean error shall be less than +5 mmHg
The standard deviation shall be less than 8mmHG
- Resolution: 1mmhg

SPO₂

- Measurement range: 0%-100%
- Resolutions: 1%
- Accuracy: $\pm 2\%$ (70-100%, adult/pediatric, non-motion)
- $\pm 3\%$ (70-100%, neonate, non-motion)
- $\pm 3\%$ (70-100%, adult/pediatric/neonate, motion)

0-69% unspecified

- Alarm range:1-100%
- Pulse rate: Pulse range:0-350 bpm
Accuracy: ± 3 bpm (non-motion)
 ± 5 bpm (motion)

IBP

- Measurement range:-50-360mmhg
- Channel:2 Channels
- Pressure transducer:Sensitive:5uv/v mmhg
Impedance range:300-3000
- Pressure names:ART,PA,CVP,RAP,LAP,ICP,p1,P2
- Alarm range:-10-30 mmHg
- PR from IBP: Range and Accuracy-25-200bpm ± 1 bpm or ± 1 bpm which is greater
201-350bpm $\pm 2\%$
Resolution-1 bpm
- EEG sensitivity: $\pm 475 \mu v$
- Noise: $< 2 \mu V p-p$ (1-150 Hz)
- CMRR: > 100 dB
- Input impedance: > 50 . mohm
- Sample rate: 1024 samples/s, 16 bits
- Index and display update: 0-100, filter 1-47 Hz, 1 sec. display update
- EEG waveform: ± 500 V scaleable, filter 1-30 Hz, 3 sec. window length.
- ESR: 0-100%
- EMG 0-100 arbitrary unit: Curve and bar
- Index trend: 5 min and 60 min
- Digital output: Wireless BT interface (RFCOMM) 10 meters range
- Alarms: IoC high and low user selectable limits
- Artifact rejection: Automatic: user can disable,
- Sensor impedance range: 0-14 ohm

EtCO₂, (Main-stream / Side-stream)

- Measurement range: 0-150 mmHg
- Accuracy: ± 2 mmHg (0-40 mmHg)
 $\pm 5\%$ of reading (41-76 mmHg)
 $\pm 10\%$ of reading (77-99 mmHg)
- Resolutions: 1mmhg
- Sampling rate: 70ml/min 100ml/min
- Sampling rate accuracy: 0.15 or 15 ml/min
- Start-up time: 30 Sec. the module enters the warming up status after the start-up
1 minute later, it enters the ready-to-measure status.
- Respiration rate: 3-150 rpm
- Respiration rate accuracy: ± 2 BrPM (0-70 BrPM)
5 BrPM (> 70 BPM)
- Response time: When measured with a neonatal water trap and a 2.5 m-long neonatal line:
 < 3.5 s @ 100 ml/min
 < 4 s @ 70 ml/min
When measured with an adult water trap and a 2.5 m-long adult sampling line:
 < 5.5 s @ 100 ml/min
 < 7 s @ 70 ml/min
- Delay time: When measured with a neonatal water trap and a 2.5m-long neonatal sampling line
 < 3 s @ 100ml/min
 < 3.5 s @ 70ml/min

When measured with a neonatal water trap and a 2.5m-long neonatal sampling line
<5 s@ 100ml/min
<6.5 s@70 ml/min

Configuration

- Feature standard Optional: F5
- 3/5 Lead ECG: Yes
- NIBP: Yes
- SpO₂PR: Yes
- TEMP: Yes
- RESP: Yes

46. ECG machine (12 channel)

- 8' LCD Display with touch screen
- Power Supply: 3 AC: 100-240V, 50/60 Hz
3 DC: 14.8V 3700 mAh rechargeable lithium
Battery
- Input way : Floating and defibrillation protection
- Lead 12 leads
- Patient leak current: <10 μ A
- Input impedance: >50M
- Frequency response : 0.05HZ-150HZ (-3 dB-0.4 dB)
- Time Constant. Time – 3.2s
- CMRR : >60 dB, >100 dB (add filter)
- EMG interference filter: 35 Hz (-3dB)
- Recording Way: Thermal printing system
- Recording papers: 210mm (W) x 20 m (L)
Recording: Auto, Manual and Rhythm
- Paper Speed: Auto record 25mm/s, 50mm/s, error +5%
(Record setup according to auto record format and modem automatically
measuring and analyzing) Manual record : 5mm/s, 6.25mm/s 10mm/s 12,5 mm/x,
25mm/x.50mm/s, error +5% Rhythm record. 25mm/s, 50mm/s, error +5% (Record
setup according to auto record format and modem automatically measuring and
analyzing)
- Sensitivity choice: 5, 10, 20 mm/mV (Error +5%)
- Standard sensitivity is 10mm/mV 0.2%

47. Sanitary incinerator

- Front Loading type: Portable
- Capacity: 10-25kg
Door: Fitted with Hinges & Handles for proper sealing to avoid heat loss
- Front Loading type
- MCB for safety
- "Epoxy Powder coated with 7 time process.
- Heater of high power makes the temperature rise quickly and improves the efficiency
- Big door open makes it convenient to load Solid Waste
- Easy removing Ash Collecting tray ensures cleanliness.
- Three stage computer programmed control of sensor, Thermostat and timer gives long life
For Heater and reduce the electricity bill
- Double Wall Technology

48. Spiro Meter

- Temperature sensor: semiconductor (0-45oC)
- Flow sensor: bi-directional digital turbine
- Flow range=16L/s Volume
- accuracy=3% or 50 mL Flow
- accuracy=5% or 200mL/s
- Dynamic resistance at 12 L/s :<0.5 cmH2o/L/s
- Communication Port: USB Power Supply: line powered from USB port
- Dimension : 142x49.7x26 mm
- Weight:65 gram (2.5Oz)
- Flow Mir@ disposable turbine Complies with ATS/ERS standards Plugs directly into the USB port
- Real time Flow /Volume loop and Volume ?time curve with PRE/POST comparison
- Advanced spirometry test interpretation.Pediatric incentive animations .Estimated Lung Age (ELA) Bronchial provocation test including new Mannitol protocol with FEVI response curve.
- Temperature sensor for BTPS conversion .
- Option available :Oximeter module (it can be purchased separately) Measured Parameters:-
- FVC, FEVI, FEVI%, FEV3, FEV3%, FEV6, FEV1 /FEV6%,
- PEF,FEF25%, FEF25%, FEF50%, FEF75%,FEF25-75%, FET, Vext, Lung Age, FIVC,FIVI, FIVI%,PIF, VC,IVC,IC,ERV,FEVI/VC%, VT,VE,Rf, ti/t-tot, MVV

49. Defibrillator

- Manual Defibrillation
- Automated External Defibrillation
- Synchronized Cardioversion
- Non-invasive Pacing
- ECG
- Pulse Oximetry (SpO2)
- Non-invasive Blood Pressure (NiBP)
- Capnography (EtCO2)
- 3-wave color display
- 3-lead ECG monitoring
- Arrhythmia detection and vitals trending
- 50 mm printer
- Lithium ion battery
- AC Power
- Pads cable & test plug
- Sterilizable external paddles
- Pacing
- AED mode
- 5-lead ECG monitoring
- SpO2 monitoring
- NiBP monitoring
- EtCO2 monitoring (Mainstream and Sidestream)
- Cable Management Wraps
- Side and rear storage systems
- Bed rail mount
- Ruggedized Prehospital version

50. ABG Machine

- Principle: Direct measurement with ion selective & Amperometric electrodes.
- Parameters: Easy parameter selection.
- Sample Type: Whole blood (Arterial & Venous), serum plasma, CSF and diluted urine.
- Sample Volume: 180 μ l.
- Analysis Time: 90 Seconds
- *Storage: Unlimited storage
- Display: 7 inch high defination LCD with capacitive touch
- Printer: 2 inch 24 column in-built thermal printer.
- Operating System: Android.
- Measured Parameter: pH, pCO₂, pO₂, Hct, Na, K, iCa, Cl.
- Claculated Parameters: SO₂%, Hb, HCO₃, TCO₂, SBC, pO₂%, BE, BE-B, BE-ECF, AG(Na), AG(K), AaDO₂, a/A, O₂Ct.
- Quality control program with Levey-Jennings
- Excellent percision and reliability.
- Smart compact reagent pack with RFID.
- Numeric and Alpha numeric input option with 15 digit operator & patient ID.
- Peripheral options: External bar code scanner, mouse and keypad interfacing option.
- Sample probe with self wiping.
- Power input: 100/112-V AC, 50-60 Hz, or 220V AC, 50-60 Hz, 0.75 amp.
- Communication ports: Two USB, LIS & software upgradation.

51. Mobile ECG Machine

- Configuration - TRUE 12 lead Einthoven Triangle (simultaneous).
- Gain - Real time adjustment (1x, 2x, upto 12x).
- Frequency Range - Adjustable (0.05 Hz to 150Hz). • Baseline Suppression Using wavelets.
- CMRR 120 dB.
- Connectivity - Bluetooth between Hardware and Mobile/PC.
- Single Lead View Standard 10mmx10mm grid plot for arrhythmia detection.
- Vertical Y-axis gain in real time view (for weaker ECG). • Instant switching between single lead, three lead, six lead & 12 lead configuration.
- Proprietary Maximus Algorithm to view 12 channel signal in the optimal space.
- Heart Rate - Real time with beep for every beat (based on Pan-Tompkins Algorithm).
- Auto-configuration for real time data view.
- Fast charging IC for full charge in 30 mins.
- One charge can record more than 500 ECGs.
- Vector cardiogram - To find QRS axis deviation

56. Neuber Chamber

Inside cell of Chamber: An area of 9 Sq. mm (3x3 sq.mm) divided into 9 squares of one mm side by means of triple lines. The central small square is further divided by triple lines into 5x5 = 25 smaller squares each with side 1/5 of a mm. Each of the square is further divided into 4 x 4 = 16 smallest squares with side equal to one twentieth of a mm. Thus Dimension of individual cellof 0.05 x 0.05 = 0.0025 mm², Gap between cover: 0.1 mm. Slip and grid area, Pipettes: RBC and WBC pipettes, Accessories: Rubber suckers for RBC & WBC pipettes, Cover slips: 22 x 25 mm one box, Wooden Box: Inside dimensions approx 100 x 175 x 30 mm

67. SEMIAUTO ANALYZER

- Assay Type/Modes: 8 Modes (Absorbance, End Point, Fixed Time, Rate, Sample Blank, Multi Standard, Two Point Non Liner, and sample Blank Non Liner).
- Sample Type: Serum / Urine / Plasma / Body Fluids / Hemolysate.
- Light Source: 6 V, 10W Quartz Halogen Lamp (Life Span approx. 2000 hours)
- Measurement Method: Monochromatic and Bichromatic.
- Photodiodes: Silicon photodiode.
- Wave Length (in filter wheel): 6 filters (340, 405, 505, 546, 578, 620 nm) and 2 free position.
- Absorbance Range: 0-2.5 Abs.
- Resolution: 0.0001
- Type of Test Ware: Quartz Flow cell, 6 mm polystyrene cuvette.
- Flow Cell Volume: 32 μ L
- Display: 240 x 128 pixel blue color graphical LCD with LED backlight.
- Storage: 25600 Test data storage, 3 months QC data.
- Quality Control: Daily and monthly for 3 levels with LJ graph.
- Air Aspiration Volume: Variable 0 to 50 μ L (To reduce carry over & cross contamination)
- Cross contamination: < 1%.
- PC Communication: 9 pin D type serial connector.
- PC software: Optional.
- Memory: Flash
- Temperature Control: 25° C, 30° C Accuracy \pm 0.1° C, Peltier control.
- Storage Temperature: -10 to 40° C.
- Operating Voltage: 230V, 50Hz, 45 watt max.

68. MULTIPARA MOINTOR (7 PARA)

- 12.1" TFT color LCD Display.
- ECG, RESP, SpO₂, PR, NIBP, Dual Channel Temp.
- Fan less design, quiet, energy saving and clean, which reduces the possibility of cross infection.
- All round monitor for adult, pediatric and neonate.
- With standard interface, oxygen graph, trend graph, big character interface and view bed, convenient to observe.
- Finish all operation by key and knobs.
- Maximum 8 channel waveform synchronous display.
- Display 7 lead ECG waveform on one screen, cascade ECG waveform display.
- Adopt digital SpO₂ technology, anti motion and anti ambient light interference and measurement can be performed under the circumstance of weak filling.
- Heart Rate Variability (HRV) analysis function.
- NIBP Measurement Mode: Manual /Auto/ Stat, storage for 4800 – group NIBP data.
- Review for 71 alarm events of all parameters and 60 arrhythmia alarm event.
- Drug concentration calculation and titration table function.
- One touch printing of trend graph.
- Connect to central monitoring system by 3G, Wi-Fi or wired mode.
- AC/DC, built in rechargeable lithium battery achieve uninterrupted monitoring.
- Anti high frequency surgical unit, defibrillation proof (Special leads are necessary).

69.HDU BED

Frame Made of strong rectangular CRCA pipe.

- Uniformly perforated four sectional CRCA sheet top.
- Back rest, Knee rest, trendelenburg/Reverse trendelenburg hi - low position obtained by crank mechanism.

- ABS molded head and foot panels.
- Aluminium collapsible side safety railing.
- Bed mounted on 5 inch. special casters, two with brakes .
- One S.S.I.V rod.
- Over all Size - 220 L * 100 W * 60-80 H cm.
- Pretreated and Epoxy powder coated.

70. ECLAMPSIA BED

- Frame Made of strong rectangular CRCA pipe.
- Uniformly perforated four sectional CRCA sheet top.
- Back rest, Knee rest obtained by crank mechanism.
- ABS molded head and foot panels.
- Overall size - 220 L * 100 W * 60-80 H cm.
- Pretreated and Epoxy powder coated.
- Be mounted on 5 inch. special casters, two with brakes.

71. CRASH CART TROLLEY

- Size - 95 L * 50 W * 155 H cm.
- No. of Wheels - 4 nos.
- No. of Drawers - 6 drawers.
- Material - Mild Steel & Pre treated epoxy Powder coated.
- Frame is made of round tube.
- It comprises of six removable bins.
- There are two polystyrene storage unit with three drawers each side.

72. DIGITAL X-RAY MACHINE

MARS 4.2

Series : LITEX DR / LITEX DR PP

Product :

Digital Radiography System (Mobile)

Rating : 4.2 KW (110 mA)

Application :

Instant imaging for trauma cases and bed side X-Rays.

Features :

- 110 KHz generator frequency.
- Tablet based image acquisition system.
- Can be used as Retrofit Kit.
- Compatible to use with any make machine.
- Integra X integrated system for exposure and imaging parameters.
- Compact and light weight design.
- 14" x 17" portable wi-fi FPD.
- Auto Exposure Detection (AED) - no interface required.

LITEX DR PP: Power pack is available for exposures without main power supply (optional)

73. RESUSCITATION KIT

- The resuscitation Kit should comprise of Adult manual resuscitator, pressure manometer and Adult Extrication Collar.
- The items should be supplied in a Kit bag.

Adult manual resuscitator

- The resuscitator should be ergonomically designed to reduce fatigue
- The bag should have single-shutter valve system for reliable functionality
- It should have integrated handle for uniform compression
- The bag should have non-slip surface design for secure handling
- It should have Port for side-stream capnography measuring or medication delivery without disconnecting the resuscitator from the ET tube
- It should have port for easy attachment of pressure manometer
- It should have 30 mm male (ISO) expiratory connector for PEEP valve attachment
- It should have 22/15 mm (ISO) Patient connector
- It should have 360-degree Swivel patient connector enabling free positioning of the bag
- The bag should be made of PVC free SEBS material
- The resuscitator should be single patient use to eliminate chances of cross contamination
- Each bag should be supplied with Adult face mask and Oxygen tubing
- The resuscitator bag volume should be more than 1400 ml
- The oxygen reservoir volume should be approx. 2600ml
- It should be MR conditional up to 3.0 Tesla or less and 4,000 gauss/c

Pressure Manometer

- It can be used with manual resuscitators, hyperinflation bags, CPAP masks, circuits etc
- It should have a colour coded scale for monitoring the patient's airway pressure
- It should have pressure measuring limit between 0-60 cm H₂O
- It should be disposable to eliminate chances of cross contaminate
- It should be PVC and latex free

Adult Extrication Collar

- It should be an adjustable collar with minimum 16 adjustments
- The collar should be suitable for Neckless, Short, Regular and Tall neck patients
- It should have safety lock button to hold the collar in place when adjusted
- The collar should be flat in design, saving valuable storage space
- It should have Chin flip feature to facilitate airway management
- It should have Trach hole to facilitate Tracheostomy
- It should have ventilated posterior shell, for fluid drainage
- It should have Nasal cannula tubing holder support
- It should be radio translucent
- It should be made of 100% latex-free medical graded material
- It should be disposable, eliminating chances of cross contamination

74. SPIROMETER

- Type of Measurable Spirometry and Flow Volume Parameter - **FVC, FEV_{0.5}, FEV₁, FEV₅₀, FIF₅₀, FEF₇₅, MVV, FET & MTT, SVC, Maximum ventilation volume (MVV) inspiratory capacity, Expiratory Reserve volume.**
- Availability of Pre & Post Bronchodilatation Comparison – **Yes.**
- Broncho provocation test – **Yes**
- Flow meter - **Bi-directional digital turbine (14 l/s or more with accuracy 3 %).**
- Level of Resistance - **less than 1.5 cm H₂O/L/sec.**
- Parameters should be measured with highest accuracy & reproducibility and should not be affected with high surrounding temperature and humidity levels – **Yes**
- SPO₂ (pulse oximetry) - **Yes**
- Electronic Barometer & temperature sensors, for Automatic BTPS correction – **Yes**
- Overlaying of previous test curves for comparison – **Yes**
- Real Time Flow Volume and Volume –time Time Traces on Computer screen – **Yes**
- Capability to select and modify / add predicted equations – **Yes**

- 3-litre precision calibration syringe, standard accessories and manual – **NA**
- Facility to interface for desktop/laptop computer – **Yes**
- System should be supplied with Computer Interfacing package, Cables, Software should be supplied – **Yes.**
- 3-Litre Precision Calibration Syringe, Standard accessories & Manual should be supplied – **NA.**
- Availability of Disposable Mouthpieces (500 No.) – **Yes**
- Availability of Pulmonary Filters (100 No.) with machine – **Yes**
- Spare Pneumotach screens supplied – **1**
- Availability of Nose clips-20 no. and Thermal paper roll-20 no. – **Yes**
- Should have a digital display of all graphs and parameters and an alphanumeric keypad – **Yes**
- Overall dimensions in mm x mm x mm - **220mm x 210mm x 51mm**
- Weight in kg - **1.5.**
- Instruction Manuals 3 set – **Yes**
- Warranty in Years – **3.**
- CMC (after warranty) in years to be provided - **Not provided.**

75. AUTOMATED ELECTROPHORESIS FOR HB/SICKEL CELL & SERUM PROTEIN

- The system should be multi- parametric instrument to perform HbA1c, Hb Electrophoresis, Serum protein, and Serum protein immunotyping, Urine Protein, Urine Protein Immunotyping and CDT.
- The system should be fully automated electrophoresis system with two simultaneous migrations with complete walk away technology including migration and quantization.
- The system should be uses two silica and electrophoresis in liquid flow.
- The system should be uses deuterium lamp with optical fibers for emission and reception.
- The system should be accepts all the types of samples (Sample cups or primary tubes) with barcode reader.
- The system should be automatic loading and un-loading of reagent cups.
- The system should be the capacity to load up to 27 samples for Hb, HbA1c, serum protein and CDT.
- The System should be able to detect & produce result of HbA2 & HbE separately along with graph
- The system should performs direct analysis on EDTA blood for Hb/ HbA1c electrophoresis
- The system should automatically perform red cell haemolysate on the instrument for Hb electrophoresis & HbA1c.
- The system should not use any staining procedures and should not use any densitometer for quantification.
- Software should do automatic curve analysis with long term storage capacity for results.
- Software should do automatic sample dilution for Immunotyping (Standard mode, Hypo gamma mode and Hyper gamma mode)
- Software should provide for automatic curve analysis with long term storage capacity for results.
- The system should have quality control setup and Ievy Jennings graph
- The system software should allows the operator to view pathological samples
- The system should have LIS Capability

The throughput of the system is:

- Hemoglobin- 7 samples/hour
- HbA1c –7 samples/hour
- Protein- 20 samples/hour
- Immunotyping- 2 samples/hour
- CDT (Carbo hydrate deficient transferring) -10 samples/hour

SNCU

RESUSCITATION SET (MANNUAL) 250ML

- Silicone Infant resuscitation set with capacity 250ml (Manual).
- Oxygen Reservoir Bag: 600ml.
- Resuscitation Set with 40 cm H2O Pop – OFF Valve.
- Disposable O2 Tubing 2 meter.
- Reusable & Latex Free.
- Silicone Mask – 0 no.
- 40 Times Autoclavable.
- Color : White

RESUSCITATION SET (MANNUAL) 500ML

- Silicone Infant resuscitation set with capacity 500ml (Manual).
- Oxygen Reservoir Bag: 2600ml.
- Resuscitation Set with 40 cm H2O Pop – OFF Valve.
- Disposable O2 Tubing 2 meter.
- Reusable & Latex Free.
- Silicone Mask – 1 no.
- 40 Times Autoclavable.
- Color : White

LARYNGOSCOPE (ADULT)

- Laryngoscope - Adult
- Blades – 1, 2, 3, 4
- Material: Stainless Steel
- Power Supply: 220 x 230 V AC, 50/60 Hz.

SPOT LAMP

- 70000 lux from 1 meter.
- Cool white and warm white Led combination.
- 100% heat sink dome.
- Flexible arm for desirable position.
- It should be focus light.
- It should be intensity controlled features (Brightness control).
- It should be with height adjusting features.
- S.S. pipe and heavy S.S. base with casters.

EXAMINATION LIGHT (MOBILE)

- LED Light
- Illumination (Ix) should be LED.
- Minimum 25000 LUX at 0.5 meter.
- Height Adjustable (mm): < = 440.
- Radial and Axial movement of the lamp.
- CRI > 90.
- Color Temperature minimum: 4300K.
- Heat Dissipation: Should maintain nominal Temp. And the heat should be disbursed through a cooling mechanism.
- It should be Mobility, Portability.
- Energy Source: Electrical.
- Power Requirements: Recharging Unit: Input voltage – 220V -240 V AC, 50Hz.

- It should be battery operated.
- It should have over charging cut off with visual symbol.
- Operating Condition: Capable of operating continuously in ambient temperature of 10 to 40 deg. C and relative humidity of 15 to 90% in ideal circumstance.
- Storage condition: capable of being stored continuously in ambient temperature of 0 to 50 deg. C and relative humidity of 15 to 90%.

SYRINGE PUMP

- Syringe Size: 2ml, 5ml, 10ml, 20ml, 30ml, 50/60ml.
- Volume Infused: 0.1 ~ 9999.9ml, Step by 0.1ml.
- Flow Rate: 2ml: 0.1 – 100ml/h; 5ml: 0.1 – 150ml/h; 10ml: 0.1 – 400ml/h; 20ml: 0.1 – 600ml/h; 30ml: 0.1 – 1000ml/h; 50/60ml: 0.1 – 1800ml/h.
- Accuracy: $\pm 2\%$.
- Bolus Rate: 2ml Syringe: 100ml/h; 5ml Syringe: 150ml/h; 10ml Syringe: 400ml/h; 20ml Syringe: 600ml/h; 30ml Syringe: 800ml/h; 50/60ml Syringe: 800ml/h.
- KVO Rate: Flow Rate ≥ 10 ml/h: KVO Rate 3ml/h; Flow Rate ≥ 1 ml/h and < 10 ml/h: KVO Rate 1ml/h; Flow Rate < 1 ml/h: KVO Rate = Flow Rate.
- Alarm: Battery exhausted alarm, Low battery alarm, near end alarm; VTBI finished alarm, Incorrect Syringe handle installation alarm, Syringe size error, Plunger error, Pause overtime alarm, Occlusion alarm, Malfunction alarm, A.C. and D.C. off.
- Occlusion Pressure: Two Levels: High, Low, H: 100 kpa; L: 50 kpa.
- Power: A.C. 100 – 240V 50/60Hz, Input D.C. 15V/2A output, Input Voltage to Device.
- Power and Battery: 55 VA Max; Battery Voltage 10.8 V; Support 6 hours' normal operation.
- Classification: Class II, Type CF, IPX2.

INFUSION PUMP

- Fit IV Tubes: It should be used with any brand IV set after exactly calibration.
- Accuracy: $\pm 2\%$.
- Delivery Rate Range: 0.1ml/h – 1200ml.h (0.1ml step).
- Delivery Time Range: 00h01 min – 99h59min.(1 min step)
- Volume Limit Range: 0.0 – 9999ml (1ml step)
- Total Volume Range: 0.0 – 9999ml (1ml step)
- Dose Mode: Volume: 0.1 – 999.9ml (0.1 ml step)
- Drug Library Mode: Available (only for VP3)
- Sequential Mode: Available (only for VP3)
- KVO Rate: 0.0 – 5.0ml/h, Programmable and adjustable.
- DPS Occlusion Pressure: Low: $60 \pm (15)$ Kpa, Medium: $90 \pm (15)$ kPa, High: $120 \pm (15)$ kPa (Adjustable).
- Alarms: Rate abnormal, Door open, Air in line, Occlusion, Bottle empty, Battery empty, No battery, Key holding during infusion/ pause, Infusion complete, No action, Battery Low.
- Alarm Volume: Three Levels: Low, Medium or High.
- Bolus Function: Bolus rate: 1.0 – 1200ml/h, Bolus volume: 1.0-100ml, Automatic/manual, Programmable and adjustable.
- Purge Rate: Programmable and adjustable.
- Interface: Rs -232
- Brightness: 1-10 levels should be selected.
- History Records: 200 events stored should be checked and downloaded.
- Power Source: AC power supply: AC 100 to 240V (+/- 10%), 50/50Hz; DC power supply: 12-15V, power > 15 W, Built in Lithium Battery, Rechargeable, 11.1V, 2000mAh, 12 hours of continuous operation.
- Protection Glass: Class I, Type CF, IP x 4.

BABY WEIGHING SCALE (ELECTRONIC)

- Baby Weighing Scale (Electronic) Capacity: 20kg.
- Display Type: Electrical
- Mode of Operation: Digital.
- Hold function for recording weight with struggling babies.

STETHOSCOPE (NEONATE)

- Soft Sealing ear tips.
- PVC “U” shaped tube.
- High acoustic sensitivity.
- Brass Chrome plated metal ring.
- Solid Stainless Steel Chest Piece.
- Comfortably angled stainless steel hand set.

BP APPARATUS (CHILD)

- BP Machine should be Mercury free.
- It should be Manual Device with LCD Display.
- It should be used to measure blood pressure, composed of an inflatable cuff to collapse and then release the artery under the cuff in a controlled manner.
- It should be mechanical manometer to measure the pressure.

DRESSING TRAY

- Size: 12 x 8” (Light)
- Material: Stainless Steel.

STERILIZATION DRUM

- Size: 9 x 9 “ (Small, Light)
- Material: Stainless Steel.

OXYGEN HOOD

- Oxygen Hood is cylinder types that enclosed an infant’s or small child’s head and adult patients head also.
- Oxygen enters through a gas inlet port and exhaled gas leaves primarily through the opening for the neck.
- Hoods provide up to 80% to 90% oxygen, good humidification and controlled temperature.
- It should be Autoclavable Round Shape for easily cleaning.
- It should be unbreakable, Transparent, Extremely Light Weight, Single moulded.
- It should be Trauma free silicone neck with adjustable flap as per Neonatal, Infant, and pediatric patients.
- Size: 8” (Small)

BILLIRUBINOMETER

- Billirubinometer Should have with advance electronic and optics adopting fiber optics, spectrum splitter, controlled spectrum filter, NFM switching and information processing techniques.
- It should have instant, safe and accurate result.
- It should have LCD display for convenient observation.
- It should have streamline design, delicate appearance and comfortable to hold.
- It should have long service life with low energy consumption.
- It should have battery indicator clews battery power information and prompts timely.
- It should have instant test result reading provide serum bilirubin concentration.
- It should have storage and memory function.
- It should be easy to operate and maintain.

OXYGEN ANALYZER

- Power Supply: 220V AC
- Oxygen Sensor Type: Electrochemical.
- Expected Life Time: 2 years.
- Oxygen Range: 0 to 100%.

- Oxygen Sensitivity: 0.1 % O₂.
- Oxygen Calibration Controls: SPAN Adjustment, Zero adjustment.
- O₂ Calibration Frequency: Weekly, Set with room set to 20.9% O₂.
- O₂ Resolution: 0.1% O₂ (optional 0.1%).
- Size: Cut. Off (90 x 185 mm) / Overall (95 x 190 mm).
- Weight: 1.8 kg.

ABG MACHINE (CATRIDGE)

- Should measure pH, pCO₂, pO₂, tHb, SO₂, Na⁺, K⁺, Cl⁻, Ca⁺⁺, Glucose, Lactate and BUN in the same equipment.
- Should be based on latest technology with long life of inbuilt and purely maintenance free optical electrodes.
- Should not need any individual electrodes for measurement of all above parameters.
- Should have the measured Barometric pressure (Range 300 to 800mmHg).
- Should have all important derived parameters (more than 15 calculated parameters) i.e. HCO₃⁻, St HCO₃⁻, ABE, SBE, AaDO₂, Anion, Gap St Ph, nCa⁺⁺, Hct, Temperature corrected pH, pCO₂, pO₂ etc.
- Should have input parameters like temperature, FIO₂, patient ID, Operator ID etc.
- Should have single test cassette based with the different parameters configurations as per users choice.
- Should have liquid calibration/gas calibration technology.
- Should require less than 150µL sample volume.
- Should be a portable system with the 6 – 8 hours rechargeable battery backup.
- Should be able to aspirate sample automatically.
- Should be able to perform whole blood, plasma and serum samples.
- Should be able to handle the syringe and capillary sample both.
- Should have long shelf life of all consumables at least four to six months or longer.
- Should be able to store most of the consumables at normal room temperature.
- Should have built in thermal printer.
- Should have reusable tri level quality controls and as well as liquid quality controls.
- Should have touch screen with the statistics intuitive graphic window display for easy operational/data entry/menu access.
- Should have the RS232 port for transferring the data to computer directly in excel format and can be easily used for view, print and delete.
- Should store at least 200 patient sample reports in its internal memory.
- Should be upgradable for the new updates and features.
- Should have cartridges with minimum pack size of 25 cartridges to avoid wastage.

BUBBLE CPAP

- Ventilation Mode: CPAP (BUBBLE CPAP) mode.
- The Scope of Application: Application to spontaneous breathing of the newborn, to provide continuous positive pressure ventilation support.
- Flow Regulation LPM: 0 LPM – 10 LPM (Varies in different Air – oxygen blender).
- Oxygen Concentration O₂ %: 21% - 100%.
- CPAP Pressure: 300 Pa – 1000 Pa (3cm H₂O – 10cm H₂O)
- Pressure Warning: Sound Alarm (Pneumatic alarm)
- Indicator Light: ON indicates that the device is in operation.
- Working Noise: Not more than 55 dB (A).
- Gas Input: Medical oxygen 0.3 MPa – 0.4 MPa.
- Power Supply: AC 220V ± 22 V, 50Hz ± Hz.

VENTILATOR (NEONATE)

- Patient Type: Neonatal
- Pressure Control: CPAP, P-A/C, PC-SIMV, PSV, be level, APRV, S, S/T, T.

- Volume Control: V-A/C, VC- SIMV, PLV (Pressure Limited Ventilation), P-AC, PC-SIMV, PSV.
- Flow Pattern: Square, 50% decelerating, decelerating.
- Adaptive Mode: AVM.
- Non- Invasive Modes: CPAP, PSV, P-A/C, PC – SIMV, be Level, APRV, P-A/C, PC-SIMV, PSV, nCPAP, nIPPV.
- Bella vista Modes: Dual Vent, Day Night, Mask Fit.
- Apnea Ventilation: P-AC, PC-SIMV, V-AC, VC-SIMV.
- Backup Mode: PSV, Burst Backup.
- Oxygen Therapy: 1-60 L/min. (Neonatal)
- Peak Inspiratory Flow: 0-260 L/min.
- Inspiratory Pressure, IPAP: 0-60 mbar, 0-100 mbar.
- P support: 0-60 mbar, 0-100 mbar.
- PEEP, EPAP: 0-50 mbar.
- Tidal Volume: 2-250 ml (Neonatal).
- I:E Ratio: 1:99 – 100:1
- Inspiratory Trigger: Flow 0.1 – 20 L/min. , Pressure: 0.1-15 mbar, Off.
- Expiratory Trigger: auto. Sync, 5-90% manual.
- Rise Time: 0-2000 ms, auto-rise.
- Leak Compensation: auto. Leak, automatic inspiratory / expiratory leak compensation.
- Tube compensation: ATC, in-expiratory, inspiratory.
- Graphs: Pressure, Flow, Volume, ATC, SpO₂, etCO₂.
- Loops: Pressure/Volume, Pressure/Flow, Flow/Volume, Volumetric CO₂.
- Monitoring: > 60 online parameter.
- Trending: 14 –day real time trending, 1-year parameter trending.
- Breathing manoeuvres: Lung recruitment tool, Manual breath, configurable sigh, Hold Inspiration, Hold Expiration, NIF (Negative Inspiration Force), V, PO.1(occlusion pressure), Auto PEEP.
- Weaning protocol: Vent summary
- Oxygen: 21-100%
- Option: Neonatal Advanced, Volumetric Capnography, SpO₂ Plethysmography, Lung recruitment tool, Esophageal Pressure Monitoring, be Modes, Expert Monitoring, Lung Mechanics, Expert Ventilation, Mask fit.
- Nebulizer: Internal, Pneumatic.
- Interfaces: 2 x RS 232, Ethernet, 2 x USB, nurse call, CO₂, SpO₂, bell vista bus.
- Dimensions (W x H x D): 350 x 220 x 330 mm / 13.78 x 8.66 x 12.99 inch.
- Screen: 13.3” Colour Full HD, capacitive glass touch screen, TFT.
- Battery Time: Minimum 240min. (Internal).
- Oxygen Supply: 0-7 bar, 21.75 – 101.5 psi, 0-110 L/min.
- Power Supply: 100-240VAC / 50-60 Hz, low voltage, input 24 VDC / 3.5A.

MEDICINE TROLLEY

- Medicine Trolley: 2 Drawers.
- Frame work of Medicine Trolley 2 drawer is made of square tube.
- The body section is mounted on 10cm castors.
- Material: Mild Steel
- Pre treated Epoxy Powder Coated.

AMPULE CUTTER

- Size: 7” (L) x 2” (W) x 2” (W).

TAILORS SCISSORS SS

- Size: 10”
- Material: Stainless Steel

STRAIGHT SCISSORS (SMALL) SS

- Size: 6” (Small)
- Material: Stainless Steel

NTCP

Smoke Analyzer Breath Carbon Monoxide

Concentration Range: 0-150ppm, Display-Full Color touch screen, Detection principle-Electrochemical sensor, Repeatability: <3% difference on consecutive readings, H2Cross Interface <5%, Power: 3*AA(LR6or vEquivalent), T90 Response Time: <_ 17second, Operating Temperature Range: 0-40oC, Operating/Transport/Storage Pressure: 800-1200mbar, FSD, Operating Temp. Range: 0-40oC, (Storage 0-50oC), Operating Humidity: 10-90% non-condensing, Sensor operation life: 5 years-5year warranty, Sensor sensitivity:1ppm, Sensor Drift : <10% per annum, Dimensions Approx:34X75X140mm, Wt.: Approx 200g including batteries, Monitor Construction: Case : Polycarbonate/ABS blend Steri Touch anti-microbial additive, D-Piece: Polypropylene.

DMHP CROSS TRAINER

- Dimension: - 80" (L) x 28" (W) x 70" (H)
- Resistance: 16 level electromagnetic resistance (Motorized)
- Meter: Adaptor operated
- Fly wheel: 8kg precession balanced
- Display Feedback: Display shows time, speed, distance, calories, pulse, Body fat & RPM
- Mode/ Set Option: Time, Distance and calorie can be manually set as per user requirement
- Max. user weight: 150Kg

TREADMILL

- Dimension: 71" x 31" x 50"
- Motor: 2HP (cont.)/ 4HP peak DC motor
- Running belt: 48" x 17"
- Speed: 0.8 – 14.8 Km/ H
- Incline: 0-15%
- Display: 5" LCD Display shows speed, distance, time, calories, pulse, program
- Program: 12 pre set program (P1-P12) + 1 user program
- Lubrication: fully automatic lubrication treadmill
- Max. user weight: 120Kg

HOME GYM

- Dimension: 53" (L) x 30" (W) x 78" (H)
- Structure: heavy- gauge welded steel with textured proprietary two coat electro statically powder process finish to ensure maximum corrosion and chip resistance
- Weight plate: Fiber plastic plate
- Weight stack: 100Lbs
- Seat: Ergonomically designed for comfortable of any user with density cushion and rexine
- Work outs : 21

STANDING TWISTER

We are a remarkable entity in this domain, engaged in offering a qualitative assortment of Body steel standing twister
Features: Optimum quality and easy to use

ABDOMINAL EXERCISERS

Adjustable resistance level, perfectly suited to any fitness level
Heavy duty and High quality material used
The above exerciser will keep you comfortable during your workout
Ready to use, can be easily stored anywhere
Thick padding allows you to exercise in comfort

DUMBELLS

Pair: 1 Kg, 2Kg, 3Kg, 4Kg, 5 Kg, 7 ½ Kg & 10 Kg

LEG PRESS

- Size: 2080 x 1645 x 1340mm
- Machine weight: 224Kg
- Excellent surface double coat point finish
- Top quality steel tube 60 x 12 x 30mm

SQUAT RACK

- Power Rack Attachments, Power Rack Frames, Weight Stack Plates
- Weight: 200Kg
- Material Type: Steel
- Features: Double Bolt Technology and Recommended For Professional Workout
- Muscles Targeted: Core Muscles, Glutes, Quadriceps and Calves
- Structure: High Strength Steel Tube with Precision Welds and internally lubricated cables
- Tube Type: 100 X 50 X 2.5 m.m.High Strength Steel Tube

INTERLOCKABLE GYM FLOORING

- Interlocking Mat Tiles are Durable, Flexible and Shock Absorbing, and Protect floors while providing support and cushion. Lightweight puzzle pieces are easy to assemble or disassemble for storage.
- Water resistant, non-skid and non-slip, light weight, noise reducing, and easy to clean.
- Material: Vinyl, Rubber
- Size: 4' (L) x 4' (W) x 8 cm

HEALTH WELLNESS CENTER

BED SIGHT SCREEN (SCREEN SEPARATORS WITH STAND)

- 3 folding partitions - 6 feet high and 6 feet long when opened
- Tubular frame (CRCA tubular) mounted on 5cms high quality corrosion free castors with fine quality curtains.
- Pre-Treated and Epoxy Powder coated.

CUPBOARD/STORAGE CHESTS

- (Approximate 20mm +/-)
- Construction & Material: Minimum 0.8 mm thick CRCA for Shelf & 0.9 mm thick CRCA for all other components.
- Locking: 2 way locking mechanism with shooting bolt provided chrome plated with Handle
- Shelving: Minimum 4nos with uniformly distributed load capacity per full shelf is 40-50 Kg maximum Finished with Epoxy Polyester Powder coated.

EXAMINATION TABLE

- Overall approx size: 1800 mm L x 600mm W x 700mm H (L x W x H) ±20mm.
- Two sections with two-fold Cushion top of 3"mm thickness made of 40density PU foam.
- Tubular construction, machine pressed double bend mild steel sheet.
- Headrest adjusted on ratchet.
- Legs fixed with rubber feet.
- Should be provided with foot step
- Pre-treated and epoxy powder coated.
- Patient load bearing capacity of 120 kgs minimum.

Foot Step

- The step stools shall have a maximum load capacity of 150 kg.
- Stainless steel frame shall be made of square /round steel tubing 20 x 20 mm.
- Should be double-step type with step heights of are 200 and 400 mm (+/-10mm) respectively.
- It should be provided with slip-resistant steps are made of black moulded polyurethane (PU) coated foam plates of minimum 15mm thickness.
- Overall dimension:590x410x200/400 mm.

I V STAND (SALINE STAND)

- Overall approx. size: height 150cm to 230 cm (with telescopic adjustable height).
- Main Frame: Strong & Sturdy stainless steel tubular construction mounted on five pronged tubular/rectangular base fitted with five swivel rust proof castors 50mm diameter.
- Stainless steel rod with double hooks.
- Base, frame & body should be Stainless Steel 304 grade.
- Should be pre-treated and epoxy coated finish.

PARTITION SCREEN (BED SIDE SCREEN – 3 FOLD IN LR & WARDS)

- 3 folding partitions - 6 feet high and 6 feet long when opened
- Tubular frame mounted on 5cms high quality corrosion free castors with fine quality curtains.
- Should be pre-Treated and Epoxy Powder coated.

TRAY INSTRUMENT / DRESSING WITH COVER (310 X 195 X 63 mm) SS

- Instrument Tray with Cover
- Made of 304 grade Stainless Steel
- Size: 310 x 195x63mm
- Manufacturer should be ISO13485 approved
- Product should be BIS/CE approved

DRESSING DRUM WITH COVER 0.945 LITRES STAINLESS STEEL

- Should be made of joint-less stainless steel of 304 grade steel of 0.5mm thickness.
- Should have perforated body.
- Should have chain locking with clamp to open or close the perforated body.
- Size : 0.945 litres
- Manufacturer should be ISO13485 approved
- Product should be BIS/CE approved

WEIGHING SCALE, ADULT 125 KG/280 LB

Sturdy **dial type mechanical** platform weighing machine for adult and children. Zero adjustment facility should be there. Sensitivity: 500 gm. Range of weighing: 0-125kg. The manufacturer shall have the valid manufacturing license and should have model approval by the legal metrological Deptt. and the weighing scale must be stamped by the legal metrological Deptt. In case of distributor, the bidder should have valid distributor and repair license from legal metrological Deptt., Govt. of Odisha. **ISO. Certified manufacturer** (certificate to be submitted). Warranty: 1 Year

INSTRUMENT STERILIZER

Electrically operated.

Size ideally: 24x8x6 inch

Should have replaceable immersion type heater ISI marked.

Body should be made of SS-304 grade steel. (Test report certificate from independent laboratory should be submitted with technical bid.)

Power Supply

Power input to be 220-240VAC, 50Hz fitted with Indian plug

Manufacturer should be ISO13485 approved

Product should be BIS/CE approved

SPHYGMOMANOMETER ANEROID 300 MM WITH CUFF

Technical Specification of BP Apparatus(Aneroid)

- Corrosion resistant shock proof body, chrome plated metal/ stainless steel pressure control valve, scale 0-300 mm hg with accuracy of +/- 3mmHg
- Air release at closed lap with maximum 4mmHg/Minute.
- Manual setting of deflation possible upto 2/3mm Hg/sec. From 260mmHg To 15mm Hg in a maximum deflation time of 10 seconds.
- Gauge's background in white colour.
- Graduated scale for ever/ 2mmhg, every 10 units and every 20units.

Nylon straps cuff with pouch, latex bulb with completely chromium plated valve with regulation of vent-hole air by screw valve.

The cuff is inflated just to fit in the limb for which an inflation bulb is used to control the air pressure within the cuff.

- The rubber tubes used should have an internal diameter of 3 ± 0.5 mm and the external diameter should not be less than 8mm; The dial manometer with diameter of 50 mm-60mm

Accessories (mandatory, standard, optional)-adult arm cuffs of size medium & large and paediatric size, inflation bulb, tubing

STANDARDS AND SAFETY

Manufacturer should be ISO13485; should be USFDA, CE, BIS or UL approved product

SURGICAL INSTRUMENTS

Quality standard (Applicable to all surgical instruments): Instruments should be made up of stainless steel medical grade AISI 410 & 420. Test reports should be submitted in the technical bid.

Part No. and the CE Mark must be engraved/Embossed on the instrument.

Sample demonstration

Instrument should cover 2 years replacement warrantee.

All the instruments should be autoclavable

STETHOSCOPE

- Stethoscope of standard size, chromium plated metal binaural, V rubber tube in one piece. Rotating piper fitting for both flip functions.
- Double head Gynaecology and Cardiology stethoscope.
- Extra-soft, replaceable and pivot able ear-tips for perfect sealing at the ear canal.
- Designed with Precision chest-piece made of stainless-steel chromed brass.
- Good quality diaphragm of minimum $\text{-}\varnothing\text{-}45\text{mm}$
- High quality membrane for precise acoustics with non-chill rims for improved adaptation on the skin and for excellent sound transmission.
- Length should be 27" to 29 with preferable colour - black.
- The Y-tube should be made of Latex-free treated rubber. Easy to dismantle, and therefore to clean and disinfect.

HUB CUTTER AND NEEDLE DESTROYER

- Should be lightweight, portable & compact.
- Housing should be moulded type, shock proof and made of ABS plastic/Stainless steel of 304 Grade.
- Should be provided with removable discharge tray for easy disposal of syringe hubs.
- Should have provision to burn the needle and cut the syringe tip.
- Should have high Carbon Steel cutter to cut the syringe tips.
- Should able to cut and destroy the needle up to 18G.
- Should able to destroy minimum of 5 injection needles on continuous operation.
- Should have heavy duty transformer.
- Should have power ON/OFF switch with visual indication.
- Should be properly insulated for protection from electric hazards.
- Should have fuse protection with 5no.of fuse to be supplied of adequate rating.

Power Supply:

Power supply should be 220-240 V AC, 50Hz with Indian plug.

Manufacturer should be ISO13485 approved

Product should be BIS/CE approved

DIGITAL THERMOMETER

Range of temperature measurement 32^oC- 42^o (89.60F-109.40F).

Can be calibrated in both centigrade and Fahrenheit, but if only one option is available, then Fahrenheit is preferable.

Buzzer signal function.

Takes 10-15 seconds to measure temperature.

Can be used in the armpit/axilla, orally and rectally.

Accuracy of temperature $\pm 0.1\text{degC}$ and $\pm 0.2\text{ F}$.

User's interface :LCD display

Manufacturer should be ISO13485 approved

Product should be BIS/CE approved

EXAMINATION LAMP

- Source of Light: LED light
- Illumination(lx) should be LED

- Minimum 25,000 Lux at a working distance of .5m
- Radial and axial movement of the lamp
- Colour temperature: minimum 4000K
- Minimum Diameter of the spot 5cm
- Flexible Light pipe for easy positioning of minimum length of 1meter.
- Lamp Life of minimum 30000 hrs
- CRI>90
- Power Requirements-Recharging unit: Input voltage- 220V-240V AC, 50Hz
Should be USFDA/CE approved model.Manufacturer should be ISO 13485 certified.
Electrical safety conforms to the standards for electrical safety IEC 60601-1General requirements (or equivalent BIS Standard)

STADIOMETER

- The measuring rod can be dismantled into several pieces and can be set easily.
- The scale must be printed along the side of the measuring rod.
- Measuring range (Both in cm & inch): 20-205 cm and 8 - 81".
- Graduation of measuring rod: 1mm / 8inch.
- The structure should be made of ABS plastic. The product should be CE certified (certificate to be submitted in technical bid)
- Warranty : 1 Year

NEBULIZER

Should be of Heavy duty compact Nebuliser. Heavy duty, Compact, lightweight, low noise(50dB+ 3dB). Durable long life compressor. Suitable for heavy duty/ institutional (hospital) use, should be able to run uninterruptedly for one hour. Max Pressure = 2.0-2.5 bars
Operating pressure: 1to1.5bars. Compressor Air flow: 8Lpm. Normal Air Flow:4lpm. Should produce particle of size 1-5 micron. Mass median Diameter (MMD) =2.5-3m. Output rate: 500gm/Min. Made of Heavy duty ABS body. Power Supply: Power input to be 220-240VAC, 50Hz fitted with Indian plug. Should be USFDA/CE approved model. Manufacturer should be ISO 13485 certified.Electrical safety conforms to the standards for electrical safety IEC 60601-1General requirements (or equivalent BIS Standard)

INSTRUMENT CABINET

- Instrument Cabinet One Door.
- Instrument cabinet is made of MS Sheet. It has 4 glass shelves.
- The door is made of mild steel frame with glass.
- It is fitted with lock key and handle.

FOOT STEP

- A double foot step type.
- Made of 18 G MS steel rectangular/tubular frame.
- Both the platform should be provided with non-slip ribbed rubber surface
- The legs should be provided with a non-slip grip.
- Size 500mm LX 400mm WX 450 H approximate(10mm+/-)
- Epoxy powder coated finish.

Medicine Rack

- Shelves Materials: - Mild Steel
- MS sheet thickness of shelves: - 20 Gauge MS Sheet
- Angel post Material Size- Mild Steel 1.5" x 1.5" x3mm
- Close Type of shelves
- Without pigeon hole
- 20 Numbers of shelves/ compartment
- 100 Kg each boxes capacity
- Fully finished powder coated
- Ground clearance 45MM
- Height x Length x width – 6' x 4' x 16"
- Box Size- 1' x 1' x 16"
- Colour- Will be placed in the purchase order
- Warranty: - 1 Year



HANGING WEIGHING SCALE (TODDLER)

- Should have tough Nylon Plastic Body.
- Load capacity 0-5 Kgs.
- Should have colour coded reading scale
- Should have zero adjustment.
- Should have inbuilt overload protection.
- Graduation should not be more than 100gms.
- Scale should be fitted with approx. 3" rod handle with non-corrosive metallic ring on top and S shaped hook-on bottom for suspending the sling bag.
- Spring used in scale should be made of heavy-duty steel spring, non-Corrosive grade II.
- Sling bag should be made of double stitched tough and tear resistant 100% polyester weight the baby.

MUCA TAPE

- MUCA Tape is known as Mid Upper Arm Circumference Tape.
- Type: For Adult

STEAM STERILIZER (MEDIUM/LARGE)

STEAM STERILIZER (LARGE):

- Installation with internal electrical steam generator or using central steam plant or double purposed
- Pneumatically operated single or double horizontal sliding door
- Complete sterilization cycles: pulse-matic, pre-vacuum, sterilization & post- vacuum
- Trolley/ Carriage for safe handling of material
- Touch screen LCD display for monitoring sterilizer's operation
- PLC based control panel and all electrical components supplied from standard companies
- Micro-Filter for air refinement
- Pressure gauges for chamber, steam in-take & compressed air
- Steam traps for steam condensate outlet
- Water seal ring vacuum pump
- Chamber material: Rustproof stainless steel; AISI SS 304/316 L
- Steam jacket material: Rustproof stainless steel; AISI SS 304
- Panel material: Rustproof stainless steel; AISI SST 304
- Real time clock with process parameters printout.
- Capacity: 20ltr.
- Electric Load: 25 KW

STEAM STERILIZER (MEDIUM):

- Installation with internal electrical steam generator or using central steam plant or double purposed
- Pneumatically operated single or double horizontal sliding door
- Complete sterilization cycles: pulse-matic, pre-vacuum, sterilization & post- vacuum
- Trolley/ Carriage for safe handling of material
- Touch screen LCD display for monitoring sterilizer's operation
- PLC based control panel and all electrical components supplied from standard companies
- Micro-Filter for air refinement
- Pressure gauges for chamber, steam in-take & compressed air
- Steam traps for steam condensate outlet
- Water seal ring vacuum pump
- Chamber material: Rustproof stainless steel; AISI SS 304/316 L
- Steam jacket material: Rustproof stainless steel; AISI SS 304
- Panel material: Rustproof stainless steel; AISI SST 304
- Real time clock with process parameters printout.
- Capacity: 540ltr.
- Electric Load: 21 KW

AUTOCLAVE BOX (DRUM)

- Material: Stainless Steel.

- Size: 9”x9”, 11” x 9”, 12” x 10”.

DIGITAL HAEMOGLOBINO METER (WITHOUT STRIPS)

- Methodology - Reflectance Photometry
- Time to Results - < 15 seconds
- Measurement Range – 4.0 – 25.6 g/dL, 40 – 256g/L, 2.48 – 15.9 mmol/L
- Specimen – Whole Blood
- Specimen Volume - 10µL
- Power Source – 3AAA batteries (1.5V) / AC Adapter (Mini USB, 5V dc, 50 mA)
- Battery Life – 360 hours or 2700 tests
- Unit of Measure – g/dL, g/L, mmol/L
- Memory – 1000 records
- Meter Size – 127 mm x 58 mm x 25 mm (5.0” x 2.28” x 0.09”)
- Display Size – 39mm x 37 mm x (1.54” x 1.46”)
- Weight – 102 g (without batteries)
- Meter storage condition – 0 - 50° C(32 - 122° F), ≤90% RH
- Operating Condition – 10 - 40° C (50 - 104° F), ≤90% RH
- Meter connectors – USB cable for data transfer or power (optional)
- Automatic shut off – 8 minutes after last use

ALLIE’S FORCEPS (MEDIUM) (SIZE – 6”)

- Size: 6”, Medium.
- Material: Stainless Steel.

SPOON EXCAVATOR

- Size: Standard Size
- Material: Stainless Steel

SNELLEN CHART (ILLUMINATED) (EYE DEPARTMENT)

- Model is strong sturdy and durable with internal printing.
- Square in shape with the automatics Micro switch.
- Direct from 220 volts.
- Distance vision test type for illiterates and children.
- Dots, Rings, Animals, Numerical.
- Dou chrome test with red and green filters.
- Apparatus has been scientifically designed to eliminate stress on the eyes and makes reading easier through illuminated panels.
- A bracket is also provided which can be fixed on the wall. It’s automatically gets illuminated when lifted from the bracket and switches off when placed on it.

NASAL SPECULUM

- Type: Thudichum
- Product: Nasal Speculum
- Profile: Set of 3 (Adult size – 4 & 5, Pediatric size – 3)
- Specialty: Rhino logy Instrument
- Material: Stainless steel
- Surface Finish: Satin

NASAL FORCEPS FOR FOREIGN BODY REMOVAL

- Name: Alligator
- Type: Forceps
- Size: 5 ½”
- Surface Finish: Polish
- Curvature: Straight Jaws with angled Shanks
- Working Surface Style: Horizontally Serrated

- Material: Stainless Steel

DENTAL EXPLORER

- Size: Standard Size
- Material: Stainless Steel

SHOULDER WHEEL

- It should be a wall mounted done.
- The wheel for use of adult and pediatric
- The motion arcane beadjustable from 10 to 38 inches by adjusting the handle.
- The wheel shall be mounted on a two-chrome plated height adjustable (8" to 26") rails.
- The resistance can be varied by turning the resistance knob.

INFRARED LAMP

- Power: 150W
- Voltage: 220/230V or 240/250V
- Frequency: 50Hz
- Code Length: 180cm
- Insulation class II (Double isolation)
- Types of lamps: PAR 38E, 150W + Prismatic rings for more focus.
- Lifetime of lamp: 750 sessions of 10 minutes.
-

BED PAN

- Size: Standard Size
- Material: Stainless Steel

BED SIDE URINAL

- Urinal also known as urine collection bottle which is used by patient who find it difficult to get out of bed during sleep.
- Urinal made of plastic which is autoclave.
- It is easy to carry and ideal for male patient.
- Size: 1000ml.

DRESSING CUM OBSERVATION TABLE

- Overall approx size: 1800 mm L x 600mm W x 700mm H (L x W x H) ±20mm.
- Two sections with two-fold Cushion top of 3"mm thickness made of 40density PU foam.
- Tubular construction, machine pressed double bend mild steel sheet.
- Headrest adjusted on ratchet.
- Legs fixed with rubber feet.
- Pre-treated and epoxy powder coated.
- Patient load bearing capacity of 135 kgs minimum.

SCALPEL WITH BLADE

- Size: Scalpel – 12" & Blade – 3".
- Material: Stainless Steel

NEEDLE HOLDER FOR STITCHING

- Size: 6"
- Material – Stainless Steel.

TOOTH FORCEPS

- Toothed Forceps: Size – 6", Stainless Steel material.

PLAIN FORCEPS

- Size: 6"
- Material Stainless Steel

SINUS FORCEPS

- Size: 6"
- Material: Stainless Steel

TORNIQUET (ADULT & PEDIATRIC)

- Tourniquet is used to control venous & arterial circulation to an extremity for a period of time when patient is in a life-threatening state as a result of continuous bleeding.
- Tourniquet is made from high quality polyamide hook & loop tape with strong rust free buckle.
- Common for left & right wrist.
- Material: Rubber

LAB -DIAGNOSTIC MATERIALS

SLIDE DRYING RACK

- Acrylic slide rack, inclined, used for draining/drying slides.
- 5 slots accommodate 25 slides.

MICROPIPETTE

- Should have ergonomic design with light & smooth plunger action
- Should have soft feel handle grip having both left & right hand operation
- Pipette handle should have thermoplastic elastomeric to prevent transfer of body heat to pipette volume during continuous usage
- Fully autoclavable: Entire pipette can be steam autoclaved at temp. Of 121 OC
- Should have larger & clear 3 digit display giving smaller increment for wider selection of volume
- Volume range should be of 1-10ml with increment of 20 µl
- Accuracy: 1 to 2%
- Should have locking mechanism to prevent accidental volume change during pipetting
- Should have one hand eject facility
- Should have in house clinical, repair and calibration facility
- The tip cone should have leak free operation, smooth and light loading operation with choice of using variety of tips.
- Should be compatibles to universal tip types
- Should be available with different color codes.
- Warranty: 3years.

Quality Standards:

- Should be USFDA/CE (IVD) approved product
 - Manufacturers should have ISO 13485 certification for quality standards
- Should be applied with individual QC & calibration report according to ISO 8655

MICROSCOPE

A. General Use

- **Clinical purpose:** Binocular microscope is simply a microscope that lets the viewer use both eyes. The microscope has 2 eye lenses. The development of the double eye piece microscope was adapted to reduce the eyestrain and muscular strain that typically results from traditional microscopes.

- **Used by clinical department/ward:** Clinical labs

B. Technical Characteristics

- **Technical characteristics (specific to this type of device)**
 - Body-Single mould sturdy stand, inclined Binocular body 30 °, 360° rotatable head
 - Eyepieces-Highest quality 10X/20mm wide angle anti fungus field eyepiece. One with pointer. Diopter adjustment must be present on both eye pieces.

- Objectives-Parfocal, antifungus coated 4x, 10x, 40x and 100x (oil immersion) with semi planner achromatic correction. Objective should be well centred even if their position on turret is changed.
- Optical system-Infinity corrected
- Stage - Double plate rackless horizontal mechanical stage preferably 100 x 140 mm with fine vernier graduations designed with convenient coaxial adjustment for slide manipulation preferably through 30 x 70 mm double slide holder
- Sub stage-Abbe condenser focusable, continuously variable iris diaphragm
- Illuminator-Built-in LED light source with white light with intensity control and LED life of more than 10,000 Hrs.Colour Temperature minimum: 4000K.
- Finish-A durable textured acid resistant finish.
- Battrey backup: minimum 1 Hour
- Nose piece: Backward tilted revolving nose piece suitable to acomodate four objectives with click stop and rubber grip.
- Focussing: Coaxial coarse and fine focussing knob, capable of smooth, fine focussing movement sensitivity; minimum: 300 micron; focussing stop for slide safety
- 12-Objectives: All DIN type
Plan Achromatic (Anti Fungus)
- 04xN.A .01 WD 6.50mm
- 10x N.A 0.25 WD 5.6mm
- 40x N.A 0.65 WD .6mm
- 100x (Oil).N.A 1.25 WD .13mm
- **User's interface** : Manual
- **Software and/or standard of communication (where ever required)** : NA

C. Physical Characteristics

- **Dimensions (metric)** : NA
- **Weight (lbs, kg)** : NA
- **Capacity:** NA
- **Noise (in dBA)** : NA
- **Heat dissipation:** NA
- **Mobility, portability:** Portable

D. ENERGY SOURCE :(Electricity)

- **Power Requirements:** Input voltage- single
- **Battery operated:** Yes with 1hour backup
- **Tolerance (to variations, shutdowns):** NA
- **Pressure gauge** : NA
- **Operating pressure:** NA
- **Sterilizing pressure:** NA
- **Protection:** Should have over-charging cut-off with visual symbol.
- **Power consumption** : less than 2 Watt

E. Accessories, Spare Parts, Consumables

- **Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)** : Should provide with wooden storage box, dust cover, immersion oil.

F. Environmental and Departmental Consideratons

- **Atmosphere / Ambiance (air conditioning, humidity, dust ...)**

Operating condition: Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances.

Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%."

- **User's care, Cleaning, Disinfection & Sterility issues:**

- **Disinfection:** Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.
- Sterilization not required."

G. Standards and Safety

- **Certificates (pre-market, sanitary, ..);** Performance and safety standards (specific to the device type);Local and/or international
 - Should be US FDA/CE (from a Notified body)/BIS approved product.
 - Manufacturer should have ISO 13485 certification for quality standards.
 - Electrical safety conforms to the standards for electrical safety IEC 60601-General requirements (or equivalent BIS Standard)
 - Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.

H. Training and Installation

- **Pre-installation requirements: nature, values, quality, tolerance**
 - Availability of 5 amp socket;
 - Safety and operation check before handover;
- **Requirements for sign-off :** Certificate of calibration and inspection from the manufacturer
- **Training of staff (medical, paramedical, technicians)**
 - Training of users on operation and basic maintenance;
 - Advanced maintenance tasks required shall be documented

I. Warranty and Maintenance

- **Warranty:** 3 years
- **Maintenance tasks:** CMC 5 years,**2 PM Visits Annually.**
All Breakdown calls to be attended within 24 hrs of registration."

• **Service contract clauses, including prices :** The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached;

J. Documentation

- **Operating manuals, service manuals, other manuals** "Should provide 2 sets(hardcopy and soft-copy) of:-
 - User, technical and maintenance manuals to be supplied in english/hindi language along with machine diagrams;
 - List of equipment and procedures required for local calibration and routine maintenance;
 - Service and operation manuals (original and copy) to be provided;
 - Advanced maintenance tasks documentation;
 - Certificate of calibration and inspection"
- **Other accompanying documents:**List of important spares and accessories, with their part numbers and cost;

K. Notes

- Service Support Contact details (Hierarchy Wise; including a toll free/landline number)
"Contact details of manufacturer, supplier and local service agent to be provided;
Any Contract (AMC/CMC/add-hoc) to be declared by the manufacturer;"
Recommendations or warnings Any warning signs would be adequately displayed

NEUBER CHAMBER

The counting grid is of 3mmx 3mm in size.

- The grid should have 9 square subdivisions of width 1mm.
- The central square should be split into 25 squares of width 0.2mm (200µm)
- The haemocytometer should have two cover slips
- The glass cover should be of squared shaped of width 22mm
- Material: Thermal and shock resistant glass
- The chamber should have two special clamps to avoid the cover glass to avoid edge-lift.

Pipette

The pipette should be made of glass of maximum capacity of 20,200 and 2000µl.

Dimensions (metric):length-300mm +/-10mm, 2mm thickness.

Autoclaving at 121degree centigrade

Should be resistance to mechanical, chemical and over heating.

STANDARDS AND SAFETY:

1. should be ISO 648/IS 117 approved product.
2. Manufacturer and Supplier should have ISO13485/ ISO 9001 certification for quality standards.
3. Certificate of calibration from the manufacturer
4. The product should be USFDA/ CE marked

ESR STAND WITH TUBE

ESR Stand with Tubes

- Screw type stand with cast iron base and highly nickel plated
- The base shall have minimum 5tube holder
- 2nos spare tubes should be provided with the ESR stand.
- The witrobes tube should be made of **Soda-lime Glass/borocilicate glass material.**
- **Dimension:**
 - 110 to 120mm mm Length
 - 2.9mm to 3 mm inside Diameter
 - 7.0mm to 8.0mm outer diameter.
- The uniformity of the bore shall be ± 0.1 mm throughout the tube.
- The tube shall be graduated from 0 to 105mm ± 0.25 mm in 1-mm divisions and numbered every 1 cm from the inside bottom of the tube.
- The tube shall be legibly marked with the manufacturer's or vendor's name or mark and possess a frosted area for marking purposes.
- Open at both ends; cotton plugged
- Calibration in yellow/white for easy reading.
- It should have good chemical resistance towards acids, salt solutions and organic solutions.
- Can be easily cleaned with distle water.
- It should be autoclavable.

Quality Standards:

- The item should be CE certified with marking
Manufacturer should be ISO 13485 Certified

TC-DC COUNT APPARATUS

All metal case housing ,durable ,Chemical resistant easy to clean and disinfect.
Stable and wide base with rubbuer feet
Should be 8-Key model with dual reset mount
Should have totalizer window
Should have WBC maturation series picto-stip chart just above the key window

COLORIMETER

Digital colorimeter for clinical biochemical test.

Digital Colorimeter with auto zero facility displaying test result.

Easy operation with auto storage facility of concentration.

Wavelength: 410, 470, 490, 520, 540, 580, 610 & 640 nm

Photometric range :%of Transmission 0 to 100

Absorbance -0.0 to 1.5 Abs

Repeatability ± 0.01 Abs

Sample volume: 1ml

Light source: Halogen/LED

Sample Holder :75 x 12 mm ± 0.5 mm Test tube with 10 mm Path Length

With shutter.

The manufacturer should be ISO13485 approved

Product should be CE certified

Product should be safety compliance to IEC 61010

CENTRIFUGE MACHINE

Centrifuge Table Top- 4tube

GMDN name : **Centrifuge**

1 USE

1.1 Clinical purpose: Used in Biochemical and Analytical labs for Hematocrit, blood Corpusule percentage, Serum Analysis, Precipitate Seperation and Blood Group matching.

1.2 Used by clinical department/ward: Analytical Laboratories

TECHNICAL

2 TECHNICAL CHARACTERISTICS

2.1 Technical characteristics (specific to this type of device) "

- Speed: Maximum Range 3000 to 3500 RPM
- Reciprocating Centrifugal force (RCF): 1500 to 1600
- Minimum Capacity: 60 ml
- Digital Timer range: 0 to 30 minutes with Hold Function
- Auto Lid interlock to prevent opening while running centrifuge with emergency lidlock release.
- The lid will be only opened once the motor is completely stop.
- Digital display of RPM
- Stainless steel Chamber easy to clean
- Hinges to prevent door falling
- Rotor Head Sizes: 4x 15 ml. Rotor Head: Angle rotor
- Rotors should be autoclavable
- The unit should be vibration free."
- Noise level <60 dB.

2.2 User's interface Manual

2.3 Software and/or standard of communication (where ever required) NA

3 PHYSICAL CHARACTERISTICS

3.1 Dimensions (metric) NA

3.2 Weight (lbs, kg) NA

3.3 Capacity 120 ml or above

3.4 Noise (in dBA) NA

3.5 Heat dissipation Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism

3.6 Mobility, portability Portable

4 ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2)

4.1 Power Requirements "220-240 V/50Hz

4.2 Battery operated No

4.3 Protection NA

4.4 Power consumption 100 to 200 Watts

5 ACCESSORIES, SPARE PARTS, CONSUMABLES

5.1 Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system) Rubber adapter should be provider for the use of vacutainer for 3ml and 5ml

6 ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS

6.1 Atmosphere / Ambiance (air conditioning, humidity, dust ...)

1) Operating condition: Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances.

2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%."

6.2 User's care, Cleaning, Disinfection & Sterility issues "1) Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.

2) Sterilization not required."

7 STANDARDS AND SAFETY

7.1 Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international "

1. Should be FDA/CE (From a notified body) as per IVD /BIS approved product.

2. Manufacturer and Supplier should have ISO 13485 certification for quality standards.

3. Certified to be compliant with IEC 61010-1, IEC 61010-2-20 for safety. General requirements"

IEC 61010-2-020 "Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-020: Particular requirements for laboratory centrifuges" "

8 TRAINING AND INSTALLATION

8.1 Pre-installation requirements: nature, values, quality, tolerance "

1) Availability of 5 amp socket;

2) Safety and operation check before handover;

8.2 Requirements for sign-off Certificate of calibration and inspection from the manufacturer

8.3 Training of staff (medical, paramedical, technicians)

1) Training of users on operation and basic maintenance;

2) Advanced maintenance tasks required shall be documented

9 WARRANTY AND MAINTENANCE

9.1 Warranty 3 years

9.2 Maintenance tasks "CMC 5 years 2 PM Visits Annually. All Breakdown calls to be attended within 24 hrs of registration."

9.3 Service contract clauses, including prices The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached;

10 DOCUMENTATION

10.1 Operating manuals, service manuals, other manuals "Should provide 2 sets (hardcopy and soft-copy) of:-

1) User, technical and maintenance manuals to be supplied in english/hindi language along with machine diagrams;

2) List of equipment and procedures required for local calibration and routine maintenance;

3) Service and operation manuals (original and copy) to be provided;

4) Advanced maintenance tasks documentation;

5) Certificate of calibration and inspection"

10.2 Other accompanying documents List of important spares and accessories, with their part numbers and cost;

11 NOTES

11.1 Service Support Contact details (Hierarchy Wise; including a toll free/landline number) "Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/add-hoc) to be declared by the manufacturer;"

11.2 Recommendations or warnings any warning signs would be adequately displayed

ITEMS REQUIRED FOR PROVIDING RMNCHA SERVICES

WEIGHING SCALE, INFANT (10 KG)

- Table top, light and portable,
- Built in rechargeable battery,
- Easy to clean baby tray (acrylic),
- Zero weight adjustment facility,
- Quick, clear digital read outs with LCD display
- Measurement does not change with position of baby on the pan;
- Provision to measure the height of the baby in its laying position.
- Accuracy: 10g, resolution: 1g, limit: 10gm ~ 10kg
- Settings-Auto setting to 0.00 once a the machine is switched on or when no external weight has been put on

Dimension :Base: 300mm x 265mm x 85mm, Pan: 510mm x 300mm x 85mm/As per IS standard

Power Requirements-230 V AC & Battery operated-6V, one hour backup

The Scale should be as per BIS specifications.

The scale should have ISI mark ie IS: 2489 Or CE/USFDA certified.

Should have model approval from Legal Metrology Dept., Govt. of India.

The manufacturer shall have the valid license and should have model approval by the legal metrological Deptt. And the weighing scale must be stamped by the by legal metrological Deptt.

In case of distributor, the bidder should have valid distributor and repair license from legal metrological Deptt., Govt. of Odisha.

FOETAL DOPPLER

A portable, hand-held, battery-powered device assembly consisting of a measuring and display unit and an attached probe or interchangeable probes designed to noninvasively detect foetal heart beats using ultrasound/Doppler technology.

- Water proof probes of 2MHz & 3MHz frequency.
- Ultra sound Intensity <10mw/ cm²,
- Auto Shut Of Facility to save Battery Power
- Built –in Speaker, Volume Control Facility and Audio Output for Ear Phone
- Heart Rate Range should be from 50 to 200 bpm with accuracy of + /-2%,
- Should be Water Proof Body, Should have Facility for FHR Data transfer to PC.
- LCD display

Power Requirements AA batteries

Battery operated AA battery type; Minimum Battery Time of 300 minutes.

Accessories:

- AA battery(rechargeable)-2nos
- 2MHz probe-1no

STANDARDS AND SAFETY:

- USFDA or CE(Notified) or UL approved product.
- Type B or BF, Performance and safety standards (specific to the device type)
- Shall meet IEC-60601-1-2:2007 Medical electrical equipment -- Part 1-2: General requirements for basic safety and essential performance
- Local and/or international Manufacturer should be ISO 13485 certified

SUCTION MACHINE

Technical Specification

0-760 mm Hg ± 10 regulable

1/4 HP; single phase motor

flutter free vacuum control knob

Wide mouthed 1 LITRE (Polycarbonate) with self-sealing bungs and mechanical over flow safety device.

Dimensions (metric) : Portable Table top

Noise (in dBA) **50 dB A ± 3**

Accessories & Spares Collection container & its cap, suction tube tips, a vacuum gauge and control knob.

- Tubing:8 mm ID x 2 mtr (PVC)
- 1 lt polycarbonate jar of 1nos

Quality Standard:

Quoted model should be USFDA /CE certified,ISO 13485:2003; ISO 10079-1- 1999

EIF for Pediatric HDU Management

THERMOMETER (INFRARED)

- Working Environment: Ambient Temperature 16° C - 40° C.
- Relative Humidity: ≤ 85%.
- Power Supply Voltage: 3.0V DC (2 x AAA Alkaline Battery).
- Product Weight: 90g.
- Measuring Range: Body Mode: 95°F - 109°F and in Object Mode: 32°F - 210°F.
- Measuring Distance: 3cm – 15cm from the center of forehead.
- Measuring Time: ≤ 2 seconds.
- Automatic Shutdown: ≤ 18 seconds.
- Storage and Transportation: -20°C - 55°C, Relative Humidity: ≤93%.

ALGORITHM / FLOW CHART

T – PIECE

- Attach the oxygen supply tubing to the gas
- source and set the oxygen to the prescribed flow.
- Insert the nasal tips into nostris with the two
- plastic tubes over the ears and under the chin
- Gently adjust the plastic slide until the cannula is Secure.
- Check for gas flow throughout the device.

CAUTION : Oxygen Concentration is Affected by the patients tidal volume.

		SIZE
Oxygen Litr/min.	% Of Oxygen	ADULT
2	28	PEDIATRICS
4	36	INFANT

PATIENT STRECHER

Description:

- Diagonal Locking Removable Stretcher top on CRCA ERW tubular Steel trolley mounted on 150mm (6) Diagonal Locking Castors.
- Framework made of 1.25" x 16G vertical and 1x 18C horizontal CRC tubes .
- Suitable Mattress for samm 21, with Safety Belts.
- Finish: Pretreated and Epoxy powder coated .
- Stretcher Top Size Handle to handle 2050L x 365W mm
- Trolley Size 1113L x580 W x 800 H mm

Optional Accessories

- S.S Telescopic I.V Rcd with 4 Fook's
- Safety Side-Ralls,Sw ng Away

WHEEL CHAIR

- 1) Dimension should be 670mm W x 1120mm D x 920mm H. (Approx.)
- 2) Two solid rubber or PVC covered tyred bicycle wheels with break and self-propelling stainless steel hoops 3)
- Two swivel castors, 200mm dia in front.
- 4) Seat and back easily removable and replaceable
- 5) Fine and durable upholstery for seat and back
- 6) Nylon Handgrips and Padded armi rest
- 7) Should have safety belt.
- 8) Should have polished stainless steel construct
- 9) Weight bearing capacity of minimum 100Kg.
- 10) Aluminium leg rest-swing away type
- 11) All the Stainless Steel should be 304 grade Manufacturer should be ISO 13485 certified.

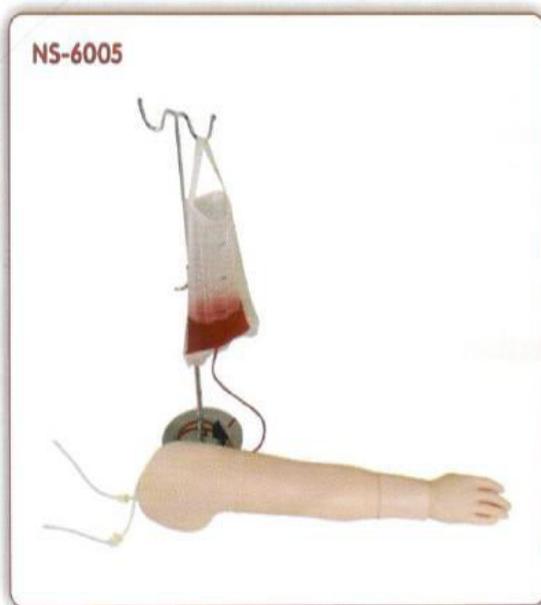
MANIKINS AND MODELS FOR NURSING COLLEGE

Advanced CPR Training Manikin with Monitor, Printer & Voice Guided



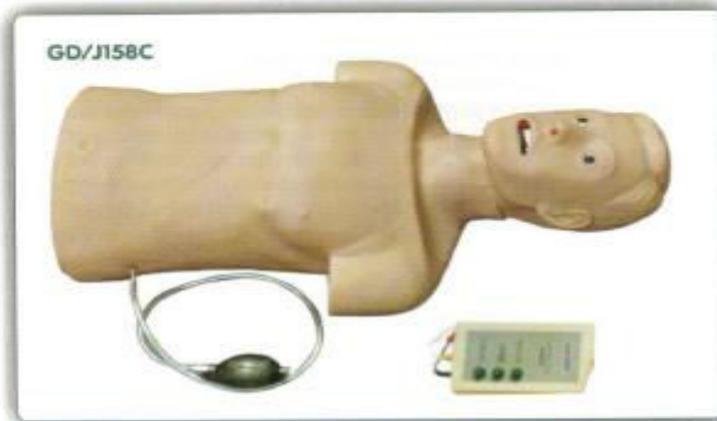
- Full Body CPR Manikin with LED light Monitor (built in printer)
- Airway status indication on monitor
- Ventilation through mouth to mouth or pocket mask, volume indicated on monitor
- Chest compression, pressing position and depth indicated on monitor
- Practice indication in comply with the latest AHA CPR & ECC Guideline
- Interchangeable pupils for vital signs observation
- Three training models : Free Practice, AHA standard practice, Examination (system auto score in examination mode print out)
- Print out practice briefing, examination result

Multi-Functional Intravenous Injection Arm Model



- The simulator simulates an adult arm with veins and arteries attached inside. The durable material helps to make a very good skin-touch feeling. The anatomical landmarks are correct.
- Various Intravenous injection training could be practiced through the veins attached to this simulator, including cephalic vein, basilic vein, median cubital vein, median antebrachial vein, and dorsal venous rete of hand.
- Intramuscular and hyperdermic Injection Training could be practiced in the deltoid area.
- The sleeve in upper arm provides various injection positions for practice.

Adult CPR and Intubation Training Manikin Half-Body with Monitor



Implement standard: AHA(American Heart Association) 2015 guideline for CPR and ECC

Features:

1. Pupil response: Bilateral pupils contrast observation
2. Carotid artery response: pinching pressure the ball to simulate carotid pulse;
3. Chest compression
4. Standard airway open
5. Feasible three ways to open the airway: lift jaw with head back, lift the head and neck, lift jaw by hands.
6. Mouth resuscitation and ventilator-assisted breathing, effective artificial respiration has visible chest rise
7. Simulate laryngeal mask airway and composite cannula can be inserted into the airway
8. Verify endotracheal intubation correct or not: a catheter inserted into the trachea, lungs will swell (plastic bladder) when inflated; if the catheter is inserted by mistake esophagus, stomach will swell when inflated (plastic pouch).
Observed pulmonary respiration
9. Artificial ventilation.
10. Oral or nasal intubation and esophageal intubation
11. Open the airway and practise from resuscitator bag to breathing mask or from resuscitator bag to the cannula.
12. Respiratory tract is simple and can be replaced
Easy to carry, suitable for field training

Gynecological Training Models

This Gynecological Training Model is specifically designed for professional training.

The various functions of these model are as follows :-

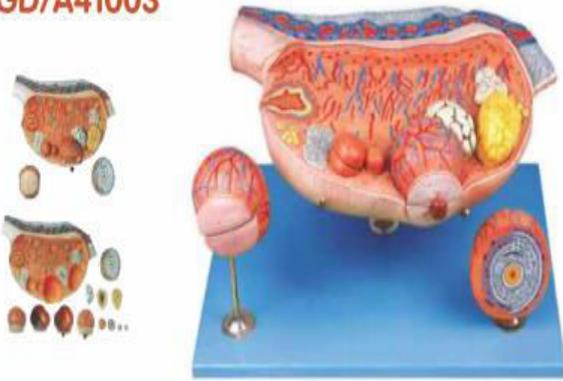
1. Palpation of normal and pregnant uterus
2. Bi-manual pelvic and tri-manual pelvic examination
3. Vaginal examination
4. Visual recognition of normal and abnormal cervixes
5. Contraceptive sponge insertion and removal

Observation of uterus, ovary, fallopian tubes and ligament teres.

GD/F305



GD/A41003



Ovary Model

This model consists of 8 parts, including ovary, primary ovarian follicles, secondary ovarian follicles, ovum, ovulation, ovum corpus luteum, corpus albicans. It demonstrates the procedure of ovum's development. 10 positions are displayed. Material: Advanced PVC and painted with imported paint.

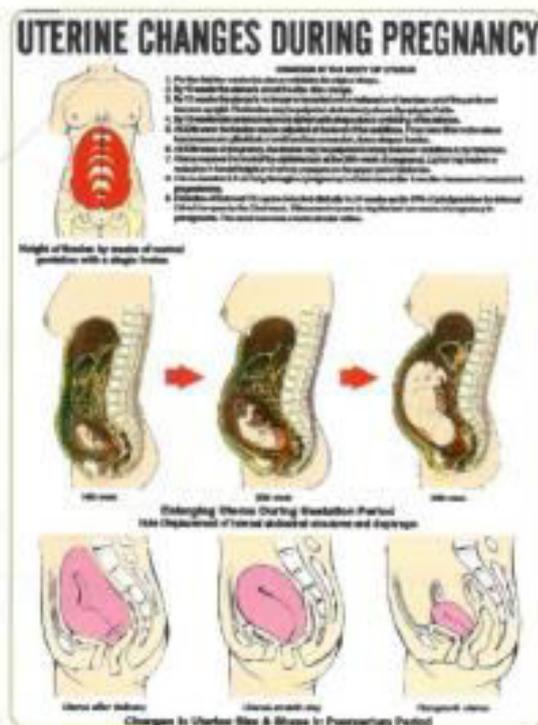
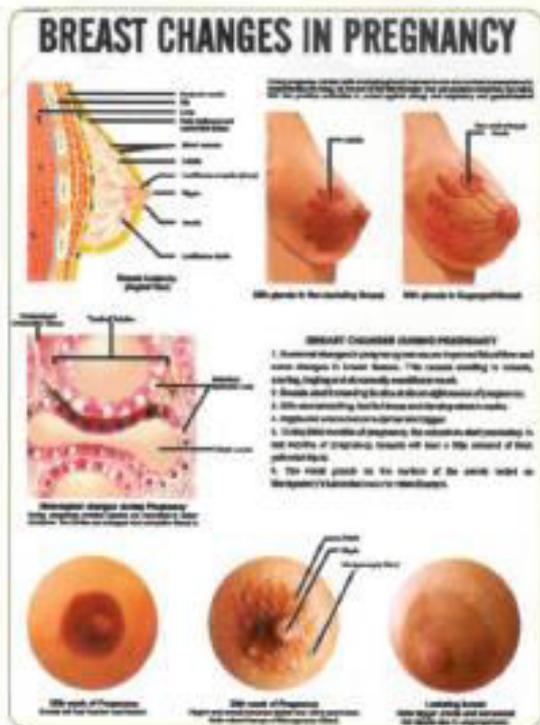
Human Placenta

The model shows the structure of placenta and the relation between placenta and umbilical cord.

7 positions are displayed.

Material: Advanced PVC and painted with imported paint.

GD/A42010/1



GENERAL HEALTHCARE & EMERGENCY

DMN400	CPR Infant
DMN401	CPR Child
DMN402	CPR Adult
DMN403	Hand Washing Technique
DMN404	How to Put on Sterile Gloves
DMN405	Prevent Infections
DMN406	Exercises During Pregnancy
DMN407	Intramuscular (IM) Injection Sites
DMN408	Homemade ORS
DMN409	Back Care
DMN410	Dast Mein Kya Karein
DMN411	Autoclave



COMMUNITY HEALTH BAG



Products

- | | | | |
|----|-----------------------------------|----|-------------------------------|
| 1 | Spirit Lamp | 11 | Forcep Non Toothed 5" |
| 2 | Test Tube Holder | 12 | Artery Forcep (straight) 6.5" |
| 3 | Test Tube 5" | 13 | Thermometer Clinical |
| 4 | Kidney Trays - 6" Stainless Steel | 14 | Spring Balance |
| 5 | Syringe 5ml | 15 | Towel |
| 6 | Stethoscope | 16 | Measuring Tape |
| 7 | Feotoscope | 17 | Soap Dish |
| 8 | Suture Cutting Scissor | 18 | Nail Brush |
| 9 | Dressing Scissor (Big) 6" | 19 | Dropper |
| 10 | Forcep Toothed 6" | 20 | Small Bowl |

Newborn Baby GD/FTI



This model is made of Polymerised rubber material and developed by moulding method. It has realistic shape and reasonable structure and high durability.

Newborn Baby Model



This model is made of Polymerised rubber material and developed by moulding method. It has realistic shape and reasonable structure and high durability.

Full-Functional Elderly Nursing Manikin (Unisex)

The manikin is designed according to the physiological characteristic of male/female old people for basic clinical nursing training. The product consists of full-body male/female elderly manikin and non-invasive blood pressure simulator; with about 50 kinds or nursing functions, made of imported PVC material, fine quality, environmental protection, realistic shape as human, easily washable; these help nursing workers understand and care for old people during the nursing process.

Basic nursing functions:

1. Hair and face washing
2. Pupil observation, Bilateral pupil states; normal, mydriasis
3. Eye and ear washing and administering
4. Removal and insertion of hearing aid
5. Oral cavity and artificial teeth care
6. Endotracheal intubation, automatically monitor whether the tracheal intubation is correct or not through sensor, support auscultation to detect intubation site
7. Incision of trachea nursing
8. Sputum suction
9. Oxygen inhaling
10. Oral and nasal feeding
11. Gastrolavage
12. Venipuncture, injection, transfusion (arm)
13. Deltoid subcutaneous injection
14. Vastus lateralis injection
15. Thoracic cavity, abdominal cavity, liver bone marrow and lumbar puncture
16. Breast nursing, mammary gland examination
17. Enema
18. Male / Female urthelial catheterization
19. Male / Female bladder irrigation
20. Stoma drainage
21. Colostomy
22. Buttocks intramuscular injection
23. Large area of sacral ulcer
24. Cancer tumor contrast
25. Cleavage lines contrast
26. Holistic nursing: sponge bath, replacing clothes, cold and hot therapy
27. Realistic limbs joint, stiff simulative joints, truck may lean forward, can sit it the wheelchair
 - 1) Truck - rotation, flexibility
 - 2) Neck - rotation, flexibility, lateral curvature
 - 3) Shoulder and buttock - endoduction abduction rotation, flexibility
 - 4) Elbow- internal rotation, external rotation
 - 5) Knee - internal rotation, external rotation
 - 6) Wrist- internal rotation, flexibility, stretching, bending
 - 7) Ankle - introversion, eversion, endoduction, abduction
28. Non-invasive blood pressure measurement
 - 1) Systolic and diastolic pressure may be set individually in steps of 1mmHg
 - 2) Systolic pressure 0-300mmHg, diastolic pressure 0-300Hg
 - 3) Korotkoff sound volume in ten steps, 0-9
29. Diabetes foot nursing



DIGESTIVE SYSTEM

XC-306 Stomach Model

This model shows the morphology of the stomach in a moderate distended state. With the longitudinal section, the model shows the structures of the gastric folds, pyloric valve, pyloric sphincter muscles, gastric mucosa and transitional mucosa of the gastricesophagus. Made of hard plastic and magnified 2 times the natural size.

XC-306



XC-311 Liver, Pancreas & Duodenum Model

An economical way to study the basic structure of the liver, spleen, blood vessels and pancreas. External structure is illustrated as well as the pancreatic duct of the pancreas. This model also shows the abdominal aorta and inferior vena cava. Life size. Dissectible into 3 parts.

Made of PVC

XC-311



XC-312 Liver Model

An economical way to study the basic structure of the liver. The complex vessels network in the opened liver, displayed in different colors on this model : hilus vessels, extra-hepatic and intra-hepatic bile ducts. Liver mounted on stand.

XC-312



SI/AN 541 The Model of Diseased Liver Cancer

SI/AN 541



ZX 1301-A Human Digestive System

ZX 1301-A



- Made of HSP resin having long durability.
- Relief model of human digestive system in median section dissectible into 3 parts.
- Duodenum, caecum and rectum are opened. Rectum is unfolded.
- Transverse colon and front half of the stomach are removable.
- The model features the oral cavity, pharynx, esophagus, stomach, liver with gall bladder pancreas, GI tract and spleen.
- Shown 56 positions. Size : 40x80 cm. Life size.
- Mounted on sturdy wooden frame.

ZX 1402 Human Stomach, Pancreas & Duodenum

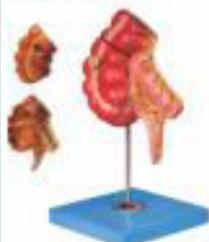
ZX 1402



- Made of HSP resin having long durability.
- Total 70 parts are labeled.
- Size : 20x15x10 cm
- Model shown different layers of stomach wall.
- Separated into 3 parts.
- Mounted on stand with base.
- Model depict lower esophagus, associated blood vessels and Sectioned duodenum and pancreas (revealing large ducts up to its aperture).

GD/A12006 Appendix and Caecum

GD/A12006



The model shows wall of the caecum and appendix. Separated into 2 parts and 17 positions are displayed.

Natural size and mounted on a stand.

Material: Advanced PVC and painted with imported paint.

Basic Multi-Functional Nursing Manikin (Female)

This Nursing Manikin can demonstrate the following Basic Nursing Skills.



Features:

1. Hair and face washing, hair combing and sponge bath
2. Mouth cavity care
3. Endotracheal intubation
4. Oxygen inhaling
5. Nasal feeding
6. Gastrolavage
7. Intracardiac injection
8. Closed chest cardiac resuscitation
9. Pneumothorax
10. Breast Care
11. Liver puncture
12. Chest drainage
13. Abdominal drainage
14. Bone marrow puncture
15. Lumbar puncture
16. Deltoid subcutaneous injection
17. Venipuncture injection
18. Blood transfusion (Arm)
19. Female clyster
20. Female urethral catheterization
21. Female bladder irrigation
22. Buttocks intramuscular injection

ICU Bed

- Frame made of strong rectangular CRCA pipe
- Uniformly perforated Four Sectional CRCA Sheet top Back-rest, knee-rest, trendelenburg/Reverse trendelenburg hi-low position obtained by crank mechanism
- ABS molded head and foot panels Aluminium collapsible side safety railing
- Bed mounted on 5 inch special costers, two with brakes
- One S.S.I.V rod
- Overall size: 220 L 100 W 60-80 H cm Pre-treated and Epoxy powder coated

Labour Table

- SS five sectional top with large cut for perianal drainage tray, built Kidney Bridge Both side Controls
- Hydraulic Operation tables
- Heavy duty steel base with nylon wheels for easy mobility or stability with single action foot actuated floor locking
- Smooth gear mechanism to avail all operating positions
- 50, Thick electrically sealed mattress
 - Provide with all sporting accessories .
- Durable heavy duty leak proof hydraulic pump with double cylinder concealed in central chamber
- Provided with standard accessories

OTHERS

DG SET (30 KVA 3 PHASE)

- Genset Rating: 30KVA
- Duty: Prime
- Number of Cylinders: 3 Nos.
- Aspiration: Turbo Charged
- Engine Power (Gross)BHP: 48.2
- Engine Power (Net) BHP: 46.8
- Rated Speed & Frequency: 1500RPM/50Hz
- Stroke: 125mm
- Bore: 100mm
- Displacement: 2945 cc
- Compression Ratio: 17:01
- Type of governer: Mechanical
- Fuel Injection System / FIP Type: In – Line
- Class of Governing: A1
- Air Cleaner: Dry
- Type of Cooling: Air cooled
- Fuel Tank Capacity: 100 Ltr.
- Fuel Consumption at 100% Load: 7.5 L/h
- Fuel Consumption at 75% Load: 5.75 L/h
- Fuel Consumption at 50% Load: 4.4 L/h
- Lube oil sump capacity (with filters): 9.5 L
- Lube oil consumption: <0.15% of FC
- Coolant Capacity – TOTAL: NA
- Coolant Capacity – Radiator: NA
- Phase: 3 Phase – 4 wire
- Voltage: 240,415
- Voltage Regulation: +/- 1%
- Power Factor: 0.8
- Power Alternator Type: Single Bearing , Brushless
- Insulation: Class – H
- Starting System: Electric
- Battery: 12 Volts, 88/90Ah
- Silencer Location & Type: Internal / Residential
- Acoustic Insulation & Type: PU FR – Acoustic Foam
- Acoustic Insulation Thickness: 40mm

DG SET (25 KVA 3 PHASE)

- Genset Rating: 25 KVA
- Duty: Prime
- Number of cylinders: 3 nos.
- Aspiration: Naturally Aspirated
- Engine Power (Gross) BHP: 35.5
- Engine Power (net) BHP: 34
- Rated Speed & Frequency: 1500RPM/50 Hz
- Stroke: 125mm
- Bore: 100mm
- Displacement: 2945 cc
- Compression Ratio: 17:01
- Type of governer: Mechanical
- Fuel Injection System / FIP Type: In-Line
- Class of Governing: A1
- Air Cleaner: Dry
- Type of Cooling: Air Cooled
- Fuel Tank Capacity: 100 Ltr.
- Fuel Consumption at 100% load: 6.18 L/h
- Fuel Consumption at 75% load: 4.75 L/h
- Fuel Consumption at 50% Load: 3.66 L/h
- Lube oil sump capacity (with filters): 9.5 Ltr.
- Lube oil consumption: <0.15% of FC
- Coolant Capacity – TOTAL: NA
- Coolant Capacity – Radiator: NA
- Phase: 3 Phase – 4 wire
- Voltage: 240, 415
- Voltage Regulation +/- 1%
- Power Factor: 0.8
- Power Alternator Type: Single Bearing, Brushless
- Insulation: Class – H
- Starting System: Electric
- Battery: 12 Volts, 88/90Ah

- Silencer Location & Type: Internal / Residential
- Acoustic Insulation Type: PU FR – Acoustic Foam
- Acoustic Insulation Thickness: 40mm

DG SET (5 KVA 3 PHASE)

- Genset Rating: 5 KVA
- Duty: Prime
- Number of Cylinders: 1 No.
- Aspiration: Naturally Aspirated:
- Engine Power (gross) BHP: 11.5
- Engine Power (Net) BHP: 11.5
- Rated Speed & Frequency: 1500 RPM / 50 Hz
- Stroke: 125mm
- Bore: 100mm
- Displacement:
- Compression Ratio: 17.5:1
- Type of Governor: Mechanical
- Fuel Injection System / FIP Type: Block Type PF1AV
- Class of Governing: A1
- Air Cleaner: Dry
- Type of Cooling: Air Cooled
- Fuel Tank Capacity: 50 Ltr.
- Lube oil sump capacity (with filters): 5 Ltr.
- Lube oil consumption: <0.15% of FC
- Coolant Capacity – TOTAL: NA
- Coolant Capacity – Radiator: NA
- Phase: 3 Phase – 4 wire
- Voltage: 240, 415
- Voltage Regulation: +/- 1%
- Power Factor: 0.8
- Power Alternator Type: Single Bearing , Brushless
- Insulation: Class – H
- Starting System: Electric
- Battery: 12 Volts, 60/65 Ah
- Silencer Location & Type : internal / Residential
- Acoustic insulation type: PU FR – Acoustic Foam
- Acoustic Insulation Thickness: 40mm

BLOOD STORAGE REFRIGERATOR (50 BAGS)

- It should have a chamber temperature range of 2 degree C to 6 degree C.
- It should have a total storage capacity: 150 Ltr. Of 50 blood bag.
- It should have a corrosion free interior of SS 304 grade which helps in easy cleaning.
- It should have built in Digital microcontroller based temperature controller unit.
- It should have 8 inch, 7 –day circular chart recorder and accuracy should be +/1 degree Celsius.
- It should have Double pane glass door which insulates the refrigerator from atmospheric temperature and better visibility of blood bags with key lock.
- It should have an internal evaporator fan for uniform temperature maintenance inside the chamber; it should switch off automatically whenever the door is opened.
- It should have 2 stainless steel slides out trays.
- It should have hotline around the mouth of cabinet to prevent moisture condensation.
- It should have internal stabilizer which ensure steady supply voltage for the whole blood storage cabinet and prevent voltage fluctuations.
- It should have a factory calibrated encapsulated digital sensor dipped in liquid medium to measure temperature at an accuracy of + 0.5 degree C.
- It should have flicker free CFL lamp for uniform lighting and better visibility of samples inside the cabinet.
- It should be include caster wheel as a standard feature.
- It should have refrigeration system “ON” indicator provided as standard feature.
- It should have audible and visual high and low temperature alarms as a standard feature.
- It should have an alarm silence button.
- It should have a power fail alarm as a standard feature.
- It should have incorporated an inbuilt battery backup of 2 hours display system.
- It should utilize non-CFC, commercially available refrigerant.
- It should keep the refrigerator free of frost without elevation the chamber temperature.
- It should have a cabinet with a clear powder coated finish to guard against rust and corrosion.

REFRIGERATOR

- Capacity of 180 Liter, Minimum 10 Years Compressor warranty
- Single door with 3 Star
- Built-in Stabilizer

REFRIGERATOR

- Capacity of 240Liter Minimum 10 Years Compressor warranty
- Double door with 3 Star
- Built-in Stabilizer

DEAD BODY CABINET (SINGLE BODY)

- Complete Stainless Steel Body.
- 24 gauge, 202 grades outer, 304 inner.
- Single Phase Machine
- Electricity required 220 V.

- Use Acrylic sheet (Non Breakable) on top.
- Cooling Circulation Type: 10 to 15 min. (Approx)
- Generator operated Machine
- Temperature Range: 0 to 5 degree.

VHND KIT

Sl. No	Name of the Equipments & Instruments for KIT Box	Specification
1	VHND KIT Box with hanging belt with luck provision	Height-11 inch Length-20 inch Width-9.5 inch
2	Digital Weighing Scale-Adult	FEATURES <ul style="list-style-type: none"> • The ultimate performance and low cost, muit functional compact • Ultra portable • Corrasion Free body • Heavily ribbed design extra strength • Housing and load cell design give added over load protection. • Rechargeable battery CAPACITY: [in Kg.]: 150 Kgs. x 100 grms AUTOMATIC SWITCH OFF FUNCTION: AVAILABLE
3	Digital Weighing Scale-Child	Capacity: 20kg x 50g Abs plastic Moulded pan Heavy duty Available with measuring tape for infants
4	Stethoscope	Stethoscope of standard size, chromium plated metal binaural, V rubber tube in one piece. Rotating piper fitting for both flip functions. Double head paediatric& Adult stethoscope. <ul style="list-style-type: none"> • Extra-soft, replaceable and pivot able ear-tips for perfect sealing at the ear canal. • Designed with Precision chest-piece made of stainless steel chromed brass. • Good quality diaphragm of minimum -Ø-45mm • High quality membrane for precise acoustics with non-chill rims for improved adaptation on the skin and for excellent sound transmission. • Length should be 27" to 29 with preferable colour -black. • The Y-tube should be made of Latex-free treated rubber. Easy to dismantle, and therefore to clean and disinfect
5	Foetoscope	Fetoscope is made of Aluminium It comes in Anodized finish. Size :Medium

6	Digital Blood Pressure Instrument	Accuracy: 0.03 pressure Cuff Type: Normal Cuff Weight: 430 Gms Measurement Range (Pressure): Pressure (0-299) mm/Hg/(0-39.9)kPa, Pulse: +/-5% of display reading
7	MUAC Measuring tape set (8Nos)	MUAC, Child 11.0 Red/PAC-50 Red: 0 - 11 cm Yellow: 11 cm - 12.5 cm Green: from 12.5 cm
8	Digital Thermometer	<ul style="list-style-type: none"> • For oral, rectal and underarm measurement of temperature • $\pm 0.1^{\circ}\text{C}$ accuracy with dual mode of Celsius and Farhenheit • Non-mercury digital thermometers, 100% safe and environmental friendly • Beep sound for when the reading is complete • Auto switch off when the thermometer is not being used
9	Inch tape	Tape Size: 1/2 inch x 10 yard0.5 Inch , 1 Inch , 2 Inch , 3 Inchs ,1.25 cm x 9.1 m Packing Type: Box Shape: Round Skin Type: Dry, Sweaty, Damp
10	Led Torch (at least Two pencil battery)	Material - Plastic LED Wattage - 0.5 Watt LED Details - 3.2V,300mA, 120Lumen Battery Details - 2 - AA Package - Carton

RTMS

- Repetitive Transcranial Magnetic brain stimulation (TMS) is a technique for gently modulating the brain cells. It utilizes a specialized electromagnet that generates brief magnetic pulses, roughly up to the strength of an MRI scanner's magnetic field but much more focused.
- rTMS is an outpatient procedure = no hospitalization, no anaesthetics and non-invasive.
- Has been shown to be effective in Depression, Vascular Depression Obsessive compulsive disorder, Migraine, Resistant auditory hallucination in Schizophrenia, Depression associated with parkinsonism, Post-traumatic stress disorder, Schizophrenia with negative symptoms, Chronic tinnitus, Substance addiction, several psychiatric disorders not responding with currently available medication and other therapies.
- **Acute therapy:** involves 20-30 consecutive treatment sessions over a FOUR to SIX-week period.
- **Maintenance therapy:** may be required every 6-12 months, depending on results.

POLYSOMNOGRAPGHY

- **Sleep study** is a non-invasive simultaneous recording of multiple physiologic parameters related to sleep and wakefulness.
- **parameters monitored are:**
 - One EEG channel is used to monitor sleep stage.
 - Two EOG channels are used to monitor both horizontal and vertical eye movements.
 - One EMG channel is used to record atonia during REM sleep or lack of atonia in patients with REM-related parasomnias.
 - Two channels are used for monitoring airflow.
- Disorders Evaluated with Polysomnography

Dyssomnias (disorders of initiating or maintaining sleep)

- Circadian rhythm disorders
- Narcolepsy
- Idiopathic hypersomnia
- Inadequate sleep hygiene
- Sleep-wake misperception
- Sleep-related respiratory disorders
 - Sleep apnea syndrome
 - Upper airway resistance syndrome
 - Obesity hypoventilation syndrome
 - Central sleep apnea

Parasomnias

- Disorders of arousal
- Disorders of sleep-wake transition
- Disorders that occur during REM sleep
 - Nightmares
 - REM behavior disorder

Medical-psychiatric sleep disorder

- Medical - Sleep-related asthma
- Psychiatric - Depression, panic disorder
- Neurologic - Sleep-related epilepsy

VIDEO EEG

- A video EEG (electroencephalograph) records what you are doing or experiencing on video tape while an EEG test records your brainwaves.
- The purpose is to be able to see what is happening when you have a seizure or event and compare the picture to what the EEG records at the same time.
- By doing this, doctors reading the EEG can tell if the seizure or event was related to the electrical activity in the brain. If so, we'd call this an epilepsy seizure.

What is the purpose?

- Are the episodes epileptic seizures?
- If not, what are they?
- If they are epileptic seizures, what type of epilepsy is it?
- If the seizures are focal, from where are they arising?

Where to do it?

- Any patient with frequent (weekly) seizurelike episodes despite antiepileptic drug therapy should have EEG-video monitoring.
- This can help differentiate epileptic seizures from nonepileptic seizure mimics such as psychogenic nonepileptic attacks (PNEA) and organic seizure-mimics like syncope and parasomnias.

The Procedure

- Inpatient video-EEG monitoring is performed in a fixed epilepsy monitoring unit and consists of a network that uses cameras fixed in the patient rooms that are linked to a central server.
- The video signal is digitized and synchronized.
- Both EEG and video signals are displayed simultaneously for online observation.

BODY CARE MASSAGE CHAIR

- Auto body scan
- 136cm SL Track
- AI voice control function in English
- Air purify by negative
- Ion 3D Zero – Gravity
- One-Key to forward (Space Saving Design)
- Air pressure programs for full body
- The armrest is integrated with the whole machine
- Heating function on waists food rollers & Guasha
- Leg part is adjustable stretch & swing function
- 3 auto modes, 3 levels for strength 7 width adjustment
- LCD touch screen

SLIDE TRANSPORT BOX

- Slide Box (100 Capacity) Unbreakable Fiber box with 100 nos. Slide holding Capacity.
- Slide Size : 76 mm X 26 mm X 1.3

FLUORESCENCE IMMUNOASSAY ANALYZER

TECHNICAL SPECIFICATION:

Connection:

- Direct connection to LIS/HIS.

ID Chip Inlet:

- Automatically reading of batch number and calibration information in the ID chip.

Designed Sampler:

- Specially- Designed sampler for small volume of specimen.

Built in Thermal Printer:

- Real Time auto printing
- Support for external printers

Large Display:

- LCD Touch Screen
- Intuitive user interface

Test Channel:

- Multiple Testing modes available
- Unique quick mode for large number of samples

Test Reagents:

- Room Temperature Storage
- Suitable for whole blood, serum, plasma and urine

Convenient:

- Portable and easy to operate

Reliable Accuracy:

- Good correlation with CLIA method

Temperature Control:

- Provide better reaction condition

Rapid Test:

- Get result in 3 -15 min.

URINE ANALYZER 10 PARA

UROMETER 120

General Information

- Auto calibration with power on
- Simple and excellent compatibility by USB communication port
- Enhancing user-convenience even for left-hander by ergonomics design
- Enhancing work efficiency by flexible options between quick mode & normal mode
- Easy to input multiple ID by key board, PC and barcode reader
- Applicable to your multi-language by user define method
- 4-11 parameter testing available
- Maximum 300tests/hour, Average 120 tests/hour
- Easy to learn and operate

Various Interface ports

- RS232C, USB keyboard port, USB Port

- Up/Downloading test result by Bidirectional interface
- A handled bar-code reader identifying specimen

Wide LCD display window

- Bright and clear color LCD
- 320*240 resolution
- Automatic switching to testing mode from standby mode

Fast result Printing

- High speed thermal printer
- Complete data about patient and the result

Ergonomic Design

- Design to minimize interference
- Easy to use even left-hander

Specifications

- Power Adapter: DC 12V 3.33 A (100-240V, 50/60Hz)
- LCD: 320*240 color LCD
- RS232C Interface:
 - COM1: Communication with PC
 - COM2: Communication with barcode system

SD UROCOLOR

General Information

- Clear positive and negative results
- Good resistance to humidity
- No color change after testing is completed
- No interference in protein by alkali urine
- Shelf life: 24 months from the date of manufacturing
- Checking the interference in Glucose, Blood, Bilirubin, and Nitrite by Vitamin C ingested
- Different color packages by parameters
- Fast result visually or instrumentally
- Packaging size: 100's

PORTABLE WIRELESS 6 LEAD ECG MACHINE WITH WEB BASED INTERPRETATION SOLUTION

Product	Portable Wireless 6 lead ECG Machine
Indication of Use	To record ,store and transfer ECG rhythms
Intended of use	Mobile / active users at rest
Technology	User's complete circuit with skin contact and hardware transmits. ECG signal to MCP to convert and display ECG waveform.
Interpretation Algorithms	Interpretation including detecting the presence of normal sinus rhythm ,atrial fibrillation ,bradycardia ,tachycardia, and otherheart conditions
Applications Included in Web based Interpretation Solutions	Yes
Validity of Web based Interpretation for unlimited ECG reporting	1 Year
Leads	I, II, III, aVL, aVR, aVF

Resolution	16 bits
Channel	2
Sample rate	Minimum 300 samples / second
Weight (One unit of individual device)	25 Grams (approx)
Dimensions (One unit of individual box)	143mm x 94mm x 31mm(approx)
Material	Mixed (Stainless steel, PC/ABS)
Battery	CR2016
Mobile Device Compatibility	Apple iOS 10 and above, Android 6.0 and above
Connectivity	Bluetooth
No. of electrodes	3 (Left Hand Electrode, Right Hand Electrode, and Left Leg Electrode)
Storage	Mobile device (Internal storage)
Operational Temperature	+10°C to +45°C
Operational Humidity	10% to 95% (non-condensing)
Storage Temperature	0°C to +40°C
Storage Humidity	10% to 95% (non-condensing)
Product Quality Standards	US FDA & CE notified ISO 13485
Manufacturer Quality Standard	ISO 13485
Warranty	1 year

Heavy Duty Rack for Storage of Drugs

- Shelves Materials: - Mild Steel
- MS sheet thickness of shelves: - 18 Gauge MS Sheet
- Angel post Material Size- Mild Steel 1.5" x 1.5" x4mm
- Open Type of shelves
- With pigeon hole
- 5 Numbers of shelves/ compartment
- 300 Kg of each shelves capacity
- Adjustable shelves
- Fully finished powder coated
- Ground clearance 45MM
- Height x Length x width – 6' x 6' x 2'
- Colour- Will be placed in the purchase order
- Warranty: - 1 Year



LASA BOX FOR PHC DDC

- Shelves Materials: - Stainless Steel
- MS sheet thickness of shelves: - 18 Gauge MS Sheet
- Height x Length x width – 6” x24” x 18” (Square Size)
- Box Hole: - 6” x 6” (Square Size)
- 12 Numbers Boxes
- Fully finished
- Warranty: - 1 Year



ULTRASOUND COLOUR DOPPLER

GENERAL

1. USE

1.1 Clinical purpose:

Doppler ultrasonography is a non-invasive diagnostic procedure that changes sound waves into an image that can be viewed on a monitor an ultrasonic technique for detecting anatomic details by color coding of velocity shifts. In cardiography blood flowing in one direction appears red, and blood flowing in the opposite direction appears blue. The technique can also indicate the velocity of red blood corpuscles moving through the circulatory system, which makes it possible to quantify the flow, measure the pressures within the heart chambers, and calculate the stroke volume. In laparoscopy, Doppler colour flow allows for rapid identification and differentiation of ducts and valves in the viscera, particularly in detection and diagnosis of pancreatic and liver tumours' and colorectal liver metastases.

1.2 Used by clinical department/ward: O&G/Radiology diagnostic laboratories.

TECHNICAL

2. TECHNICAL CHARACTERISTICS

2.1 Technical characteristics (specific to this type of device)

The system should be state art with full Digital Technology & should be capable of whole body sonography & other application for adult & paediatrics (Infants & Neonates) which includes abdominal, Obs/Gyn, Endovascular, Peripheral vascular, transvaginal, transrectal & small parts.

- 1) The system should incorporate facility for high resolution 2D, 3D, M mode, PW color imaging, Power Doppler Anglo Imaging Modes.
- 2) The system should have more than 20000 Digital Channels
- 3) The system should have 256 Grey shade or more.
- 4) The system should have capability of triplex display in real time with all probes.
- 5) The system should have a very high frame rate of 700 frames per second or more.
- 6) The system should have Harmonic imaging.The system shall support Tissue Harmonic Imaging capability on phased, linear, 3D and curved array transducers.
- 7) The system should have advance image processing algorithms to analyze between targets & artifacts so as to sharpen target anatomy, reduce the sparkle & artifacts to improve image quality.
- 8) The system shall offer Harmonic Imaging in Power Doppler Imaging mode for improved sensitivity and specificity in differentiating blood/ agent from tissue.
- 9) The system should have facility for Zoom(Real-time and Frozen-image) & manipulation of image through pre-processing and post-processing with cine loop viewing image of all modes.
- 10) System should have disc of at least 500 GB or more.
- 11) The system should have facility of digital storage & retrieval of B/W & colour image data (Both frozen & cine loops) on built in as well as ramble media (CD, DVD) USB port.

- 12) The system should have automatic real time quantification of Doppler parameter like velocity, frequency, time heart rate stop, flow volume, plasticity index, resistivity index, peak velocity, average value, point value, area & diameter flow volume etc.
- 13) The system should have high dynamic range of minimum 170 dB with scanning depth of 30 cm or more.
- 14) All transducers (minimum 3) should be broadband width, Frequency range 2 to 12 MHz or more with universal ports for transducer interchange. Two active ports and one one parking port is required.
- 15) System should have 17"/19" HD display with tilt and swivel Facility along with alphanumeric keyboard with illuminating keys and status function.
- 16) Dicom 3.0 compatible.
- 17) Review of stored images is desirable.

2.2 User's interface Software, Automatic (stages to be displayed or recordable for printing).

2.3 Software and/or standard of communication (where ever required)

3. PHYSICAL CHARACTERISTICS

3.1 Dimensions (metric) :NA

3.2 Weight (lbs, kg): NA

3.3 Configuration: NA

3.4 Noise (in dBA) - Noise-free system.

3.5 Heat dissipation - Heat Dissipation: Should maintain nominal Temp and the heat should be Disbursed through a cooling mechanism.

3.6 Mobility, portability - Certified Room Installation.

4. ENERGY SOURCE :(electricity, UPS)

4.1 Power Requirements Power unit: Input voltage- 220V-240V AC, 50Hz Single-phase.

4.2 Battery operated: Yes

4.3 Tolerance (to variations, shutdowns): NA

4.4 Protection NA

4.5 Power consumption -NA

5. ACCESSORIES, SPARE PARTS, CONSUMABLES

5.1 Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables/reagents (open, closed system)-Machine should be supplied with following transducers:-

1. Broad band convex array transducer with multi-frequency range of 2 to 5 MHz or wider range-1 No.
2. Broad band trans-vaginal probe with multi-frequency range between 5 to 8 MHz or wider range – 1 No.

The system should have following documentation devices

a) B/W Thermal printer of latest model

b) Glazed thermal paper rolls 50 no. & 5 rim of Glossy paper sheet.

c) Online Ups for power back up of minimum 30 minutes

6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS

6.1 Atmosphere/Ambiance (air conditioning, humidity,dust ...)

1) Operating condition: Capable of operating continuously in ambient temperature of 5 to 50 deg C and relative humidity of 15 to 80% in ideal circumstances.

2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.

6.2 User's care, Cleaning, Disinfection & Sterility issues

1) Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.

2) Sterilization not required.

7. STANDARDS AND SAFETY

7.1 Certificates (pre-market, sanitary,); Performance and safety standards (specific to the device type);Local and/or international

1. Should be USFDA & European CE (Notified body) /BIS approved product.
2. Manufacturer should have ISO 13485 certification for quality standards.

3 Electrical safety conforms to the standards for electrical safety IEC 60601- General Requirements (or equivalent BIS Standard)

4. Shall meet internationally recognised for Electromagnetic Compatibility (EMI/EMC) for electromedical equipment: 61326-1.
5. Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.

8. TRAINING AND INSTALLATION

8.1 Pre-installation requirements: nature, values, quality, tolerance

- 1) Availability of 5 amp socket;
- 2) Safety and operation check before handover;
- 3) To be installed in a separate room.

8.2 Requirements for sign-off Certificate of calibration and inspection of parts from the manufacturer

8.3 Training of staff (medical, paramedical, technicians)

- 1) Training of users on operation and basic maintenance for 2 weeks;
- 2) Advanced maintenance tasks required shall be documented

9. WARRANTY AND MAINTENANCE

9.1 Warranty 2 years

9.2 Maintenance tasks CMC 3 years 2 PM Visits Annually. All Breakdown calls to be attended within 24 hrs of registration.

9.3 Service contract clauses, including prices

The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee/warranty period should be attached;

10. DOCUMENTATION

10.1 Operating manuals, service manuals, other manuals Should provide 2 sets (hardcopy and soft-copy) of:-

- 1) User, technical and maintenance manuals to be supplied in english/hindi language along with machine diagrams;
- 2) List of equipment and procedures required for local calibration and routine maintenance;
- 3) Service and operation manuals (original and copy) to be provided;
- 4) Advanced maintenance tasks documentation;
- 5) Certificate of calibration and inspection

10.2 Other accompanying documents

List of essential spares and accessories, with their part numbers and cost; **11.**

NOTES

11.1 Service Support Contact details (Hierarchy Wise; including a toll free/landline number)

Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/add-hoc) to be declared by the manufacturer;

11.2 Recommendations or warnings Any warning signs would be adequately displayed

AUTO REFRACTOMETER

- | | | |
|--------------------------|---|---|
| ✓ Sphere (SPH) | : | -25D to +22D (when VD=12mm) increments 0.12D and 0.25D |
| ✓ Cylinder (CYL) | : | 0D to ± 10D (increments 0.12D and 0.25D) |
| ✓ Axis (AX) | : | 1 ⁰ to 180 ⁰ (increments 1 ⁰) |
| ✓ Cylinder Form | : | - + MIX |
| ✓ Minimum Pupil Diameter | : | 02.0mm |
| ✓ Vertex Distance (VD) | : | 0 0.12_0.13.5mm |
| ✓ Pupil Distance (PD) | : | 10 to 85mm (increment 1mm) KEROTOMERY |

✓ Radius of curvature	:	5.00 to 10.2mm (increments 0.01mm)
✓ Refraction Index	:	1.3375, 1.332, 1.336
✓ Cornel Power	:	33.00 to 67.5D (increments 0.05/ 0.12/ 0.25D)
✓ Corneal Astigmatism	:	0D to -15D (increment 0.05/0.12/0, 25D)
✓ Axis	:	1 ⁰ to 180 ⁰ (increments 1 ⁰) others
✓ Corneal Diameter	:	2.0 to 12mm (increments 0.1mm)
✓ Memory	:	10 measurement for each eye
✓ Printer	:	Thermal Printer
✓ Monitor	:	LCD colour monitor
✓ Movable distance of chinrest	:	65mm
✓ Data output	:	USB, video terminal and Bluetooth
✓ Power Supply	:	AC 100-240 V, 50/60Hz

BODY CARE MASSAGE CHAIR

- Auto body scan
- 136cm SL Track
- AI voice control function in English
- Air purify by negative
- Ion 3D Zero – Gravity
- One-Key to forward (Space Saving Design)
- Air pressure programs for full body
- The armrest is integrated with the whole machine
- Heating function on waists food rollers & Guasha
- Leg part is adjustable stretch & swing function
- 3 auto modes, 3 levels for strength 7 width adjustment
- LCD touch screen

NON CONTACT TONOMETER

FEATURES:

- It should be Measures IOP through Eyelid and Sclera (No contact with corneal eyeball)
- No Puff, No direct contact with eyeball hence painless patient friendly
- Safe: No risk of infecting or scratching cornea
- No need for sterilization or disinfection (Contact with eyelid only)
- Enables IOP measure with contact lens on
- Easy to use, easy to calibrate and quick to measure
- No consumables like rubber cover, plastic tip, proparacaine drops etc.

SPECIFICATION:

- Device: Transpalpebral Digital Tonometer for IOP measurement
- IOP Reading Range: Goldmann Scale: 7 -50 mmHg
Maklakov's Scale: 15-53 mmHg
- Absolute Permissible Error Limits for IOP measurements:
(Goldmann), mmHg, within the range of 7-23 mmHg - ± 2
Above 23 mmHg - ± 5
(Maklakov), mmHg, within the range of 15-28 mmHg - ± 2
Above 28 mmHg - ± 5
- Measurement Modes: IOP – Goldmann Scale : G (True)
IOP – Maklakov's Scale: M (Ton)

- IOP Measurement Time: 2 sec (Max.)
- Power Consumption during measurement: 100 mA(Max.)
- Power Supply: Battery and Voltage – 1 AAA, R03 x 1.5 V
- Display: LED
- Data Output: Display Window
- Overall Dimensions: (LxHxW) – 173 x 27 x 21 (mm)
- Weight: 88g, incl. Batteries
- Operating Conditions: Operating Temperatures Range – From +10° C to +35°C
- Relative Air Humidity (Max.): 80%
- Atmospheric Pressure : 630 – 800mmHg

COGNIPLUS MACHINE

THE COGNIPLUS TRAINING PROGRAMS SUBTESTS:

Attention

ALERT – Attention: Alertness

VIG – Attention: Vigilance

SELECT – Attention: Selective

FOCUS – Attention: Focused

DIVID – Attention: Divided

Working memory

VISP – Working memory: Rehearsal – visuospatial

CODING – Working memory: Spatial coding

NBACK – Working memory: Updating – visual

DATEUP – Working memory: Updating – spatial

Long-Term memory

NAMES – Long-term memory: Learning of face-name associations

Executive functions

HIBIT – Executive functions: Response inhibition

PLAND – Executive functions: Planning and action skills

Spatial processing

ROTATE – Spatial processing: Mental rotation

Visuomotor skills

VISMO – Visuomotor coordination

Neglect/field of view training

SPACE – Neglect/visual field training: Visuospatial attention

70. COGNISTAT ASSESSMENT SYSTEM

Test should contain subtests to measure the following domains:

Language, spatial skills, memory, calculations, reasoning, attention span, registration (learning), orientation

71. WISCONSIN CARD SORTING TEST

(Computer Version) 4 WCST: CVT4 Research Ed.

80. COLPOSCOPE

Purpose- Gynecological examination

HAD Camera, Hand held, Zoom image freeze, signal system- S-video, NTSC, PAL, Green filter, magnification and time display, maximum optical of lenses provided- 18, Maximum digital zoom provided-12, objective lens focus- 250mm, real time display of magnification-1 to 45x, minimum wide work distance-80mm, minimum tele working- 300mm, minimum tele depth of view- 5mm, minimum wide depth of view- 300mm, focusing mode- white focus auto ATW, tiltable viewing tube, inbuilt cool circular ultra-bright white led with 30 nos. of led, wattage of led-2, monitor size- 18 inch, lcd display, variable light intensity, minimum control of the light intensity (in steps)-5, E-flip, mirror image picture effect, average lamp life (in hours)- 15000, control of the illumination- remotely minimum ≥ 1600 Lux, using CCD green filter technique without decrease of illumination, 18mm fine focusing, using dynamin flare reduction technique display vessels, dynamic image capture, cine loop, video output and usb capture card, video output- DVI to HD-SDI, image quality- anti vibration image and clear image under high magnification, magnification indication, recording facility, suspension mount- rigid rolling or flexible swing arm, reid index reading, biopsy marking, acetic test timer, power supply- 220-240v/50Hz single phase, computer system – windows 10 or latest 1tb hard disk, monitor size 17 or above, laser printer, software provide with dust cover. 3 years warranty, user technical/ maintenance e manuals to be supplied in hard and soft copy, software updates provided during warranty period, demonstration of equipment and training to be provided after completing supplier and installation, certificate of calibration provided at time of supply, no extra cost for spare parts and accessories.

NPPC

Commode Wheelchair

Commode Wheelchair in which the wheelchair's base is easily convertible to a commode by simply sliding out the cut seat. It must have a cushion cover on top and a removable pan underneath. Dimension should be LxWxH: 79 x 43 x 90 Centimeters (Approx +/-2cm) Seat and back easily removable and replaceable Fine and durable upholstery for seat and back Seat Width: 17-18 inches. Nylon Handgrips and Padded arm rest. Should have safety belt. Weight bearing capacity of minimum 100Kg. Aluminium leg rest - swing away type. All the frames and tube should be made out of M.S. Chrome Plated /SS304 grade. The wheelchair comprises superior quality rust-free 24 inch mag wheels for self manoeuvring and two 8 inch solid PVC front casters swivel at 360° to improve the wheel chairs movements. The wheelchair should be equipped with a solid fiber seat while using the chair as a commode and detachable commode bucket need to be provided that can be affixed to use the

chair as a bedside commode. Density of Cushion material on armrest, seat and Backrest [Kg/m³): 20. Manufacturer should have valid CE, ISO 9001:2008, ISO 14001:2004, and OHSAS 18001:2007 certificate.

CLUTCHES (ELBOW)

Anatomically design of elbow piece provides perfect support while walking. Soft handle top. Anti slip and enhanced grip. Adjustable height of the elbow piece from 4'2" to 6" Material: Made of Aluminium, the cane weighs under 0.5 -0.8kg but supports up to 130 kgs, Certification Available: ISO for manufacturer Product should be CE, BIS approved WARRANTY: 1year

Clutches Auxiliary

The Under arm crutch comes with a layer of rubber pad to allow comfort and improved range of motion. With a push-button the height can be adjusted. The rubber shoe to be provided for skid-resistant. The stick weighs less than 2.7 kg & supports a person's weight up to 130 kgs. Made of oxidized aluminum surface for long life. Certification Available: 150 for manufacturer Product should be CE/ BIS approved. WARRANTY 1year

Weight Cuff (1Kg)

The weight cuff is to be used for physical therapy, rehabilitation and gym exercises, Aerodynamic shape ensures good grip and better aesthetics Made from skin-friendly fabric for a soft and comfortable feel. Reverse buckle locking with hook and loop closure for easy adjustment. It is used for hand and wrist braces Filled with low friction smooth steel balls High density of steel balls ensures small volume of the product and convenience of use Reverse buckle mechanism ensure secure tightening. Easy application and removal of the cuff and flexible sizing Warranty: 1year. Certification Available: ISO for manufacturer. Product should be CE/BIS approved. WARRANTY:1 year

Air-Bed

Made of MEDICAL GRADE/ polymerized PVC material (non-toxic which can hold up to 130 kgs. Design: Alternating pressure mattress with minimum 120 to 130 individual air bubbles, for even support and weight displacement. Variable pressure dials for precise air flow. Size: Adult. Certification Available: 150 for manufacturer. Product should be CE/ BIS approved. WARRANTY: 1year

Pneumatic Ring for Bed Sore Management

Size: 40X40X5Cm

Shape: Round

Material: Medical PVC (Washable)

The manufacturer should be ISO Certified

EIF FOR OTHOPEADICS

ELECTRONIC CAUTERY MACHINE

Monopolar Coag Soft Spray 3500 5000 300 50 200 70 5.0 7.5
Bipolar Coag 750 100 70 1.5
Shaver System Shaver Console 230 VOLT
Capability to recognize the Hand-piece, display of speed, flow
Capability to accept two hand pieces-simultaneously
All hand piece use on single console
In built irrigation facility
Two-Button Shaver hand piece
500 – 12,000 rpm. F/R
300 – 2,500 cpm, Single and Multi-turn Oscillate 35 in.oz. (nominal)
Should be capable of adapting smaller and larger sized of shaver cutters.
Shaver H/p should adapt chuck for shoulder drilling purpose
Three Pedal Footswitch Shaver cutter
4.2 full radius
Reciprocating cutter 4.2 mm

ELECTRONIC TOURNIQUET

Cuff pressure range: 10 to 450 mmhg

- Pressure regulation: + / - 10 mmHg of set point. Online setting: Increase and decrease in pressure settings.
- Timer: Range from 9 hours to 59 minutes
- Internal least count: Timer 1 minute /. Internal 1 / 1000 second
- Alarm: Audible on timer equalling set value.
- Memory: Pressure set in earlier session is stored and displayed when the machine is switched on again.
- Pressure regulation: Maintains set pressure under leak conditions.
- Backup: 3 hours battery backup from offline to online (vise versa)
- Switchover: Automatic switchover from offline to online (vise versa)
- Power: 230 V (AC) / 50 Hz + or – 10%
- Stabilizer: Inbuilt
- Digital display: Digital display of set pressure, actual pressure, time elapsed and set time.
- Cuffs: Different sizes of five cuff – washable and easy fitting (Pediatric, small, medium, big & large.)

C ARM COMPITABLE O.T TABLE

1. Minimum height: 30 inch
2. Maximum height: 38 inch
3. Trenbelenburg degree: 25 degree
4. Reverse trenbelenburg: 25 degree
5. Right lateral and left lateral : 20 to 25 degree maximum
6. Width of the table: 20 inch
7. Thickness of the mattress: 2 inch made resin cover with foam
8. Power supply volts: 240 volt
9. Column size: 10 inch X 10 inch
10. Length of the table: 1980mm

Standard Accessories:

- Anesthesia screen rod
- Radial setting clamp

- Foot plate with traction boots adult
- Side rail extension bar
- Rotation & tilting clamp
- Counter traction post
- Arm rest
- Tibia condoyle fixation support
- Geopel knee crutch
- Hand operating table
- Steinmann pin holding clamp
- Side support

BATTERY OPERATED BONE DRILL

Continuous Step-less speed control (Linear)

Canulation 5.5mm

Speed range 0-1200 rpm.

Reverse Forward & Neutral Switch provided.

Jacobs Chuck –USA (Stainless steel, 0-1 / 4”) with AO Adapter.

Hudson to A/O Adapter (Stainless steel)

Synthes to A/O Adapter (Stainless steel)

Weight of HP (Without Battery)- 1.8kg Autoclavable – with steam up to 2 bars (1340 c) 20 min. time duration. Weight of Battery pack – 280 gm - Non-Autoclavable.

Fully automatic charging process. Max charging time 1 Hr, 2 Batteries simultaneously.

In built Voltmeter for checking charge.

High Load Risk protection in battery pack

Funnel (Autoclavable) – For safe battery insertion.

Charger Indicator. Full charge, Battery in connection, Charging process.

FLEXIBLE REAMERS

Flexible reamer shaft 8 mm dia fixed head (j). Flexible reamer shaft for detachable. Heads up to 12 mm (K) Heads above 12 mm (M) Detachable reamer heads from 8.5 to 12mm, step of 0.5 mm (L1) Heads from 12.5 to 15mm, step 0.5mm (L2) Guide wires std length 440mm.

C-ARM IMAGE INTENSIFIER

A Mobile C-Arm image intensifier suitable for use in Operation Theatres for Surgical procedures. The Control panel should be fully feather touch for easy cleaning and disinfections.

A). IMAGE INTENSIFIER:

1. Image Intensifying Tube: 9 inches, Triple Field.
 2. CCD Camera: High Resolution Compact CCD Camera. B/W, Pixels 752 X 582.3.
- Monitor (2 Nos.): 17”, Monitor along with a trolley.

B) C-ARM MOVEMENTS:

1. Rotation: ± 180 degrees
2. Motorized Up / Down: 400 mm
3. Horizontal Travel: 220 mm.
4. Are orbital movement: 125 degrees.
5. Wig Wag: ± 12.5 Degrees

C) X-RAY GENERATOR:

High frequency (40KHz) with Max. Output power 3.5 KW and stationary Anode Tube of focal spot 0.6 mm (small) 1.5 mm (Large) to be provided.

D) CONTROL : Control should have the following

1. Digital Display of KV, FmA and FLR TIME
2. Technic selector switch for fluoro and rad. Mode selection
3. KV selection from 40 to 110 KV in steps.
4. An inbuilt Radiographic timer to select mAs in steps for more than 200mAs
5. A 5 minutes cumulative timer with buzzer6. Fluoro mA from 0.1 – 3 mA, continuously variable
7. Indicators for left/right, up/down image rotation should be provided on control panel
8. Thermal safety cut off
9. The unit should be operable on single phase 230 V ± 10% AC, 50Hz
10. Automatic brightness stabilizer should be provided
11. Provision must exist on control panel for easy identification of faults, to minimize the downtime.
12. Collimator should be providing.

E) MEMORY SYSTEM: Should include the following

- | | |
|---|--------------------------------------|
| 1 | |
| 1. Feature of LIVE / PULSE /LIH | 6. Zoom feature (x2 and x 3) |
| 2. Averaging 1 to 16 frame | 7. Mirror feature |
| 3. Contrast enhancement function | 8. Image rotation feature |
| 4. Temp and permanent storage up to 100 frame | 9. PAN drive provision |
| 5. Negative image feature | 10. Keeps date and time |
| | 11. PC connectivity through LAN port |

ELECTRIC SUCTION MACHINE

Voltage: AC 220V, 50Hz or 110V, 60Hz
 Power consumption: 120 W
 Maximum negative pressure: ≥0.09 MPa
 Negative pressure range: 0.02 MPa to Max negative pressure
 Pump rate: ≥20 L/min
 Noise: ≤60 dB
 Continuous Working Time: 0-30 min
 Rest Time ≥30min

Bottle volume: 2500 ml, 2 pcs
 Accessory: pedal switch (1pc), power switch(1pc),
 filter(2 pcs), suction pipe(1pc, 2m in length, silica gel),
 celiac suction pipe(1pc, 31cm in length, chrome copper)
 Package: 1pc/carton

Box Size : 46.5*41.5*64.5cm (approx.)

LEAD APRON WITH THYROID SHIELD

Standard lead apron must provide at least 0.5 mm of lead or equivalent structural barriers (i.e, a 0.2 mm lead equivalent = 1.2 mm of steel, 2.5 mm of glass, 5.9 mm of gypsum, 33 mm of wood). Lead aprons of 0.5 mm thickness have been shown to shield approximately 99% of potential radiation dose.^{11,13} Lead apron must cover the front of the body from the throat to within 10 cm of the knees, as well as the sides of the body from the shoulder to below the buttocks. Two-piece lead apron have a vest and skirt. Special aprons that contain elements like barium and iodine in combinations with lead and plastic struts, provide protection equivalent to lead but reduce the overall weight of apron hence reducing the stress over shoulder and spine and can be used for longer procedure.and with thyroid shield

FESS INSTRUMENT SET

1. Antrum Rotatable Back Biting Sinus Forceps 3mm Bite Size
2. Hueweiser Antrum Grasping Forceps 130mm Shaft Length 90 degree down
3. Kerrison Rongeur / Punch Upward
4. Kerrison Rongeur / Punch Downward
5. Giraffe Forceps Upward 55*
6. Giraffe Forceps Upward 90*
7. Weil Blakesley Nasal Forceps Straight 4mm Jaw
8. Weil Blakesley Nasal Forceps Curved Upward 45* 4mm Jaw
9. Pediatric / Delicate Weil Blakesley Nasal Forceps Straight Fine pattern
10. Pediatric / Delicate Weil Blakesley Nasal Forceps Upward 45* Fine
11. Takahashi Straight Cutting Forceps
12. Mushroom Forceps Straight (Circular Cutting Punch)
13. Scalpel Handle #7
14. ENT Sickle Knife
15. Antrum Ball Probe, Double Ended Maxillary Ostium Seeker
16. Double Ended Freer Elevator
17. Cottle Double Ended Elevator Sharp / Blunt
18. Antrum Curette
19. Hartman Forceps Light Pattern Small size
20. Hartmann Forceps Standard Medium Size
21. Delicate Metzenbaum Scissors Curved 15cm Supercut + TC Serrated
22. Mayo Scissors Curved Supercut + TC Serrated Blade
23. Frazier Suction Tube 8Fr
24. Frazier Suction Tube 10Fr
25. Frazier Suction Tube 12Fr
26. Antrum Suction Tube Curved 3mm
27. Antrum Suction Tube Curved 4mm
28. Crile Forceps Straight 16cm
29. Nasal Concha Scissors, Straight Fine Delicate Blades for Sinus 13cm
30. Vienna Nasal Speculum (Large)
31. Stainless Steel Sterilizing Box

TECHNICAL SPECIFICATIONS:

- **Material:** Stainless steel
- **Dull-Polished**
- **Packing:** Individually Packed in Sterilization Box
- **Grade:** High
- **Sterility:** Non-Sterile
- Made with superior quality clinical grade and autoclave able Material.
- Hand Matt Polished to avoid reflections and durability.
- Corrosion resistance, no chrome plating no risk of plating peeling off.

TEMPANOPLASTY INSTRUMENT SET

1. Wild Aural Forceps Large
2. FAGGE Aural Bayonet Forceps
3. ADSON Plain Forceps
4. ADSON Forceps With 1x2 Teeth
5. HARTMAN Aural Forceps
6. OSSICLE Holding Forceps
7. TILLEY Aural Forceps
8. LEMPERT Rongeur Curved
9. PLERSTER Self Retaining Retractor 2x2 Prongs
10. WULLSTEIN Self Retaining Retractor 3x3 Prongs
11. WULLSTEIN Self Retaining Retractor 4x4 Prongs
12. PLESTER JANSEN Retractor Solid Blade Left
13. PLESTER JANSEN Retractor Solid Blade Right
14. GLEGG Aural Snare
15. JANSEN Chisel
16. JANSEN Osteotome

- | | |
|--|-----------------------------------|
| 17. JENKINS Gouge | 23. MASROID Suction Tube |
| 18. Cone Self Retaining Adjustable Retractor | 24. Suction Tube – Set & Holder |
| 19. LEMPERET Mastoid Curette | 25. Temporal Bone Holder |
| 20. FARABEUFG Elevator Curved | 26. Micro Aural Crocodile Forceps |
| 21. KERRISON Bone Punch | 27. Micro Crocodile Cup Forceps |
| 22. HOUSES Graft Press Forceps | 28. Micro Crocodile Scissors |

TECHNICAL SPECIFICATIONS:

- **Material:** Stainless steel
- **Ultrasonic Cleaned**
- **Dull-Polished**
- **Grade:** High
- **Sterility:** Non-Sterile
- Hand Matt Polished to avoid reflections and durability

ENT EXAMINATION CHAIR

- Hydraulic height adjustment
- Combined backrest and leg rest movement (bilateral control)
- 360° rotation with pedal blocking system
- Height and angle adjustment of headrest with manual blocking mechanism
- Swing back armrests
- Fire retardant and antibacterial covering
- Chrome plated base
- Gas spring assisted backrest
- 360° rotation with pedal blocking system
- Height and angle adjustment of headrest
- Manual blocking mechanism of headrest
- 50mm thick upholstery
- One single hydraulic pump controls all the chairs movements: height adjustments, brake and rotation.
- Swing back armrests
- Variable height from 58cm to 78cm
- Retractable footrest
- Very stable circular base with a non-slip surface around

LED TV

- ✓ 4K ENHANCER, GAME OPTIMIZER MODE, EYE COMFORT MODE, ULTRA SURROUND SOUND, DOLBY AUDIO, MAGIC REMOTE, USB 2.0, 2HDMI, ALLM, AV INPUT, HEAD PHONE OUTPUT, MIRACAST, ARC 4, HDR 10, HLG, MEMC WITH 2 YEARS WARRANTY.
- ✓ RESOLUTION: 3840*2160, 3D INBUILT, CONTRAST RATIO TYPICAL 1200:1, 178 DEGREE WIDE VIEWING ANGLE, CINEMATIC MOMENT, BLUE LIGHT CONTROL, TRUE MOTION, 4K ON/OFF, 1.5 GB RAM, 8GB ROM, WEB OS 2.0, DUAL BAND WIFI, 2.4 GHZ & 5

CERVICAL/ LUMBAR TRACTION (ELECTRICAL)

1.1: Clinical Requirement: A cervical/lumbar traction device is used to help relieve pain associated with Cervical & Lumbar spine in case of Prolapsed inter vertebral disc, listhesis of vertebra, Spinal nerve root Compression etc. and nerve root impingement. It also Spine and skeletal system, gently stretching the tight muscles and soft tissues of the spine area. By

helping to open the space between the compressed vertebrae, a traction device assists in releasing the tension and pressure of the vertebrae structure.

1.2 Technical Specification:

- Microprocessor/ microcontroller based unit for treatment of cervical & lumbar regions of patient.
- It should be microprocessor controlled for smooth traction effect.
- The therapy time, HOLD and REST times should be easily programmable.
- Should be provided with Adjustable, single size PELVIC and THORACIC belts and the head halter fit for adult patient.
- The unit should have LED indicators for hold and rest time.
- Buzzer indicator for completion of treatment
- Separate selection for cervical and lumbar
- The unit should be sensitive to weight for accurate operation.
- Force – 4-90 Kg with doubler
- Cervical tension – 4, 6, 8, 10, 12, 14 (Kg)
- Lumbar tension – 18,21,24,27,30,33,40,45 (Kg)
- All the above increments are must be in steps.
- Mode: static and intermittent – cervical as well as lumbar.
- Hold time – 10-80 (Sec) adjustable in continuous mode.
- Rest time – 1-20 (Sec) adjustable in continuous mode
- Treatment time - 1 to 30 minutes –Adjustable.
- Patient control switch option should be there for safety.

1.3. Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

1.4. Quality Standard:

- The model should be USFDA/CE/BIS certified
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

1.5. TRACTION BED (MANUAL)

- Traction Bed – 3Fold sliding for horizontal cervical and lumbar traction
- Made of complete MS frame with wooden TOP
- Bed Dimensions: : 6' (L) x 2.5' (W) x 2.5' (H)
- Provided with appropriate dimension of mattress of 2inch thickness made of 40density PUF and cover with heat resistance rexin.
- Fully made on 30mm square tube with 18 gauge thickness.
- The lumbar section should roll freely on rollers for friction-free lumbar pull.
- The Cervical traction angle should controlled by vertical adjustment of the Machine mounting board.

1.6. Flexion stool: Adjustable Height range of 13"-20" which allows the therapist to place the lumbar spine into neutral or flexed position increasing patient comfort during traction treatments

The manufacturer should be ISO certified.

MANIPULATION COUCH/ MANUAL THERAPY BED

19.1: Clinical Use: Use for examination bed, Manual therapy bed for providing mobilisation, stretching, passive movement etc.

19.2: Technical Specification:

- A 3 section, variable height plinth.
- With breathing slot at head end
- This plinth is built for sustained heavy use.
- Length : 74"Approx
- Width : 28 " (Approx.)

- Height Adjustment: 21 inches to 37 inches approx..
- Head rest up and down Gas Spring
- Couch up and down Motorized
- The frame and the base shall be made of MS with powder coating.

TABLE TOP CENTRIFUGE (CENTRIFUGE MACHINE) (HIGH SPEED)

- ✓ Maintenance-free induction drive
- ✓ Microprocessor with large LCD display
- ✓ Motor driven lid lock
- ✓ Automatic radio-frequency rotor identification system (RFID) with over speed protection, immediately upon rotor insertion
- ✓ Active imbalance-identification and -cut off (rotor specific)
- ✓ CFC-free refrigeration system
- ✓ A large variety of rotors and accessories
- ✓ Audible signal at the end of each run with several melody options
- ✓ Noise level under 65 dBA at max. speed
- ✓ Manufactured according to international safety regulations, i.e. IEC 61010
- ✓ Imbalance tolerant drive pin
- ✓ Standstill cooling
- ✓ Stainless steel chamber

Distinct Control Panel

- ✓ Simple one handed operation
- ✓ Easy to program with gloves on
- ✓ Splash proof digital display
- ✓ Permanent indication of Preset and Actual Values
- ✓ Selection of speed in both rpm and g-force, with increments of 10
- ✓ 10 acceleration and 10 deceleration rates with storage of up to 99 runs
- ✓ Preelection of the temperature from -20°C to 40°C with 1°C increments
- ✓ Temperature selection available in both °C or °F
- ✓ Pre-cooling program option
- ✓ Standstill cooling
- ✓ Pre-selection of running time from 10 s to 99 h 59 min or continuous
- ✓ Storage of up to 99 runs incl. rotor type
- ✓ Quick-key for short runs
- ✓ Diagnostic program
- ✓ Timer: the centrifuge starts at the preselected time)

SAMPLE TRANSPORT BOX

- ✓ Volume: 5 Ltr.
- ✓ Portable with either Swing handle or side hooks.
- ✓ Material: HDPE with PUF insulation

VACCINE CARRIER

- ✓ HDPE Material
- ✓ 1.35 Liter capacity with 4 Nos. of ice packs
- ✓ Volume of ICE Packs 0.3 Litres (min.)
- ✓ Internal Lining Material- HIPS
- ✓ Insulation Material- CFC-free Polyurethane
- ✓ Insulation Thickness- 35 - 45 mm (min.)
- ✓ Removable Lid & ICE Packs

BMW ARTICLES

1. BMW Transportation Trolley with 4 Color Bin: -

- Capacity- 120 Litres, 80 Litres
- Close container Trolley
- Made of Stainless Steel divided into four equal sections
- Four Compartment waste segregation system
- Bins can be interchanged as and when required
- Color of Bin: Red, Yellow, Blue, White
- Color waste Bio-hazard printed logo, Government of odisha supply
- Water drainage SS tap during cleaning
- Nylon Wheel for movement and handle for pull and push



2. Puncture Proof Container: -

- Square Size Capacity- 1 Litres, 2 Litres & 5 Litres
- Blue Color
- Plastic Material
- Easy to carry with handle
- Display Bio Hazard Signage
- made for BMW management purpose only



3. Puncture Proof Container: -

- Square Size Capacity- 1 Litres, 3 Litres & 5 Litres
- White Color
- Plastic Material
- Easy to carry with handle
- Display Bio Hazard Signage
- made for BMW management purpose only



4. BMW Bin: -

- Capacity- 30 Litres, 20 Litres, 10 Litres & 5 Litres with square Model
- Material – HDPE Material
- Foot operating system for opening lid
- Color of Bin: Red, Yellow, Black
- Color waste Bio-hazard printed logo, government of Odisha supply



5. BMW Polythene Bag: -

- Bio degradable, with proper size as per the Bins
- Thickness-minimum 50Micron
- Colour- Red, Yellow, Black
- Capacity- 5Ltrs, 10 Litres, 20 Litres, 30 Litres & 50 Litres
- Recycle Eco friendly printed logo, government of Odisha supply

6. General Waste Bin (50 Liter): -

- Capacity- 50 Liter square size
- Material – HDPE Material
- Foot operating system for opening lid with Nylon Wheel and handle for move
- Color of Bin: Black
- Green color Eco friendly recycle printed logo, government of Odisha supply

7. General Waste Bin (50 Liter): -

- Capacity- 50 Liter square size
- Material – HDPE Material
- Foot operating system for opening lid
- Color of Bin: Blue & Green with stand
- degradable and non-degradable ecofriendly logo, government of Odisha supply

8. Hub Cutter (Manual): -

- Destroys Syringe Hub & Needle in Single Action
- Reusable and auto cleavable container
- Capacity 1000 ml with stainless steel stand



FURNITURE & FIXTURES

CONSULTATION TABLE

- Size: 3 ft. x 5ft.
- Minimum two drawers with one locker
- Material- Melamine coated MDF board
- Specify load carrying capacity.

CONSULTATION TABLE

- Size: 2 ft. x 4ft.
- Minimum two drawers with one locker
- Material- Melamine coated MDF board
- Specify load carrying capacity.

CHAIR FOR STAFF

- Plastic with arm with seat back cushion covered with fabric.
- W x H x D: 55.9 cm x 81.3 cm x 55.9 cm (1 ft 10 in x 2 ft 8 in x 1 ft 10 in)

PLASTIC CHAIR IN WAITING AREA

- Material: Plastic
- Without Arm

ALMIRAH

- Shelves Size: 900 mm (W) x 480mm (D) x 1900 mm (H)Height.
- Door: 20 Gauge
- Body: 22 Gauge
- Material: Iron

GENERAL RACK

- Slotted Angle adjustable Rack 5 shelves.
- Rack Angle 18 gauge and shelf 22 gauge.
- Size: 72x36x15.
- Material: Iron

FAN

- Type: Ceiling Fan
- 320 RPM
- Power: 70w

WHITE BOARD (MEDIUM)

- Size: 4 feet x 2 feet.
- Colour: White
- Non-Magnetic

STOOL FOR PATIENT

- Standard Height – 19 ½” to 26 ½”
- Overall Height with back rest – 35 ½” to 42 ½”
- Base Diameter – 24”
- Hydraulic Height adjustment
- Seat Diameter- 16”
- Rotation Lock

- Com requirements 1 yd.
- Weight capacity 300lbs.

OFFICE DESK

- Material – Metal, Engineered Wood, Steel frame and MDF board
- Size- 36 x 20 x 29 inches

COMPUTER TABLE

- with a wide panel of operation, 1 pull-out tray for keyboard and mouse, 1 drawer and 1 door for storage, 1 shelf for tower that ensures enough space for storage
- the tower has better protective bar for attaching the tower shelf design keyboard tray with guide Silent and smooth legs with non-slip to increase stability
- Melamine coated MDF board/ durable and easy to clean, the frame is metal with powder coating that provides great stability
- Size: 100 x 52 x 75 cm (1xanxal) cabinet, drawer Dimensions: 23.5 x 26 x 8 cm, Dimensions: 28 x 28 x 28 cm, Tray Dimensions: 60 x 30 cm shelf for tower, Dimensions: 34 x 24 cm Max Load Capacity: 100 kg

Revolving Chair

- Recline
- W x H: 63.5 cm x 91 cm (2 ft 1 in x 2 ft 11 in)
- Frame Material: Metal
- Nylon Wheel

STAFF LOCKER

- Colour : Grey, White
- No of Lockers : 8
- Finish : Powder Coating
- Locker Size (inch) : 1980mmH X 915mmW X 457mmD
- Material : MS
- Thickness : 0.8mm

3 SEATED CHAIR

The chair should be heavy duty construction of three seater capacity.

The frame structure shall be constructed with durable steel able to resist to rust. All joints shall be welded and all exposed surfaces shall be straight and true to line and curve. The entire structure shall be coated with a layer of anti-corrosion paint followed by another 2 finishing coats either powder coating or nylon polyester coating to withstand periodic cleaning and typical abuse.

Color: Black and Silver

Size : (L) 1700mm*W550mm*480mm Approximate 10mm+/-

Material: Metal