



ZILLA SWASTHYA SAMITI, KEONJHAR
CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER :
KEONJHAR
(DISTRICT PROGRAMME MANAGEMNT UNIT,NHM)



Advt. Nø 3507

TENDER CALL NOTICE

Date.03.08.2018

Sealed tenders are invited from registered manufacturers / authorized distributors/Traders for supplying of Equipment's/Instruments/Furniture/bedding & clothing items and consumables under IMR/MMR, MCH wing, HWC & HDU of KEONJHAR District of Odisha. Details regarding the terms and conditions and tender papers may be downloaded from www.Keonjhar.nic.in or available at O/o. CDM & PHO, KEONJHAR (DPMU Section, NHM) up to Dt. 20.08.2018 during office hours of all working days. The tender document should reach to the office of the undersigned by **20.08.2018 up to 5:00 P.M** through Reg. Post /Speed Post only along with all the relevant documents and E.M.D. The tenders will be opened on dated **21.08.2018 at 11:00 A.M** in presence of the bidders/their authorized representatives.

The undersigned has reserves the right to reject or cancel any or all the tenderers without assigning any reason thereof.

Sd/- Chief District Medical & Public Health Officer,Keonjhar

CDM & PHO
Keonjhar



**TERMS, CONDITIONS & SPECIFICATIONS FOR
SUPPLY OF EQUIPMENT / INSTRUMENT/
FURNITURE /BEDDING & CLOTHING ITEMS AND
OTHER ITMENS FOR IMR &MMR, MCH WING, HDU&HWC OF
KEONJHAR DISTRICT**



Name of the District / Health Institution: **CDM & PHO, KEONJHAR**
(HEALTH & F.W. DEPTT., GOVT. OF ODISHA)

Tel: (06766) 255525

Bid Reference – CDM&PHO KEONJHAR / - 2018-19

**TENDER DOCUMENT FOR SUPPLY & INSTALLATION OF *EQUIPMENT /
INSTRUMENT/ FURNITURE***

DATE OF AVAILABILITY OF BID DOCUMENT IN WEBSITE: **04.08.2018 to 20.08.2018**

LAST DATE & TIME OF RECEIPT OF BID DOCUMENTS : **20.08.2018 till 05.00 pm**

DATE & TIME OF OPENING OF COVER-A (Technical Bid) : **21.08.2018 at 11.00 am**

PRE BID CONFERENCE : **09.08.2018 at 11.00 am**

DATE OF OPENING OF COVER-B (Price Bid) : **Will be intimated Latter**

PLACE OF OPENING OF BID DOCUMENTS : DTU Hall, NHM, DHH
ADDRESS FOR COMMUNICATION : Chief District Medical & Public Health
Officer , O/o- CDM & PHO , District Head
Quarter Hospital ,Keonjhar
PIN CODE- 758001

**OFFICE OF THE CHEIF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER,
KEONJHAR**

SECTION -I

SALE OF TENDER / BID DOCUMENT

The Bidders have to download the Tender Documents directly from the WEBSITE available at www.Keonjhar.nic.in. The Tender paper cost of **Rs.3000/- (Rupees Three Thousand only) Non-refundable** by way of Demand Draft drawn in favor of **ZSS-Non-NRHM, Keonjhar** should be enclosed along-with the Technical Bid. The Bidders should specifically super scribe, **“DOWNLOADED FROM THE WEBSITE”** on the top left corner of the outer envelope containing Technical Bid and Price Bid separately. The Tender paper cost and the EMD amount should be submitted separately in shape of demand drafts in the technical bid. In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same from the website or the office notice board before last date of submission of tender document and the CDM&PHO, Keonjhar shall have no responsibility for any delay / omission on part of the bidder.

The tender paper will be rejected if the bidder changes any clause or Annexure of the bid document downloaded from the website.

SECTION -II
IMPORTANT INSTRUCTIONS TO BE NOTED CAREFULLY BY THE TENDERERS

1.	Mode of Procurement	Through Open Tender
2.	Purchaser	CDM&PHO, Keonjhar
3.	Consignee	DISTRICT CENTRAL STORE, Keonjhar
4.	Delivery Period	Within 45 days from issue of Purchase Order.
5.	Mode of Delivery	By Air / Road / Rail
6.	Schedule	Schedule-1 (Instrument, Equipment & furniture under MCH wing)
		Schedule-2(Bedding, clothing & other items under IMR & MMR)
		Schedule-3 (Instrument, Equipment, furniture & laboratory utensils under HWC)
		Schedule-4 (Instrument, Equipment & furniture under HDU)
7.	Guarantee / Warranty	Comprehensive warranty: including all spares, maintenance etc.for a period 2 <i>(two)</i> years from the date of installation & commissioning and 3 <i>(three)</i> years CMC after warranty period. CMC is not applicable for Minor Equipment/Instruments
8.	EMD	Rs. 20,000/- (Rupees Twenty Thousand) only for Schedule-1. The Earnest Money Deposit will be paid in the shape of demand Draft/Banker's Cheque only in favor of ZSS- Non-NRHM,Keonjhar drawn in any Nationalized / Scheduled Bank payable at Keonjhar. EMD exemption is not permitted except to local SSI units registered in Odisha only. EMD should be deposited separately for each part if a bidder bids for more part in Schedule of requirement – Section IV
		Rs. 10,000/- (Rupees Ten Thousand) only for Schedule-2. The Earnest Money Deposit will be paid in the shape of demand Draft/Banker's Cheque only in favor of ZSS- Non-NRHM,Keonjhar drawn in any Nationalized / Scheduled Bank payable at Keonjhar. EMD exemption is not permitted except to local SSI units registered in Odisha only. EMD should be deposited separately for each part if a bidder bids for more part in Schedule of requirement – Section IV
		Rs. 5,000/- (Rupees Five Thousand) only for Schedule-3. The Earnest Money Deposit will be paid in the shape of demand Draft/Banker's Cheque only in favor of ZSS- Non-NRHM,Keonjhar drawn in any Nationalized / Scheduled Bank payable at Keonjhar. EMD exemption is not permitted except to local SSI units registered in Odisha only. EMD should be deposited separately for each part if a bidder bids for more part in Schedule of requirement – Section IV
		Rs. 10,000/- (Rupees Ten Thousand) only for Schedule-4. The Earnest Money Deposit will be paid in the shape of demand Draft/Banker's Cheque only in favor of ZSS- Non-NRHM,Keonjhar drawn in any Nationalized / Scheduled Bank payable at Keonjhar. EMD exemption is not permitted except to local SSI units registered in Odisha only. EMD should be deposited separately for each part if a bidder bids for more part in Schedule of requirement – Section IV
9	Security Deposit (Performance Security)	The selected firm should submit the performance security in shape of Bank draft from a Nationalized Bank in favor of ZSS- Non-NRHM,Keonjhar equal to the amount of 10% of the purchase order value (excluding the tax & CMC cost) of the items within 21 days of issue of the purchase order & will be returned back after completion of warranty period.
10	Pre-qualification (Eligibility Criteria)	Detail eligibility criteria is mentioned at Clause 2.1, 2.2 & 2.3 in Section –III

SECTION –III

TERMS AND CONDITIONS FOR SUPPLY & INSTALATION OF MEDICAL EQUIPMENTS/ INSTRUEMNTS/ FURNITURES / BEEDING & CLOTHING ALONG WITH OTEHR ITEMS

- 1.1 Sealed tenders will be received by **20.08.2018 till 05.00 pm** by the office of the CHEIF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, KEONJHAR. Any tender received after the due date & time will be rejected / returned to the sender unopened. **The tenders will be received through Regd. Post / Speed Post only.**
- 1.2 The bidder(s) are to submit their tenders in **separate** sealed covered envelops for each part mentioning on the envelops for which part bidder has applied, if applied for more than one part under section-IV for **technical bid** and **Financial bid** by super scribing **Cover “A” (Technical Bid) & Cover “B” (Price Bid)** and both the sealed covers should be put into a **third outer Cover**, which should be super scribed as **“Tender for supply & installation of Equipments, Instruments , Furniture’s ,Bedding & Clothing along with Other Items under IMR & MMR, MCH Wing, HDU & HWC, KEONJHAR” & Tender Reference No. CDM & PHO, KEONJHAR/001/NHM/2018-19.**
- 1.3 The Sealed tenders “Cover A” (Technical Bid) submitted by the tenderers will be opened in DTU Hall, NHM,DHH, KEONJHAR in front of the bidders or their authorised representatives.

ELIGIBILITY CRITERIA

General Terms & Condition

- 2.1 Manufacturing units / Importers are eligible to participate in the tender provided, they fulfil the following conditions:
- (i) Import License (In case of Importer only). In case of importers, they have to furnish the authorization from the manufacturer.
 - (ii) Valid ISO certificate (of the Manufacturer)

- (iii) Product must have ISI/BIS /CE / US FDA etc. (valid ISI/BIS /CE /US FDA certificate) certified (Applicable for Major equipments).
- (iv) Tenderer should have proof of supply **the required quantity** (executed directly by manufacturer or through distributor) of the equipment(s)/similar equipments mentioned in the schedule of requirement to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies and purchase order copies in support of that in last 3 years along with end user certificate (As per format Annexure VII – (Item wise)
- (v) Proof of annual average turnover of Rs.1 Crore for Manufacturers/Importer or more in the last three (3) financial years i.e 2014-15, 2015-16 & 2016-17 certified by the Chartered Accountant as per the format at **Annexure VI**.
- (vi) Proof of compliance with IEC Certificate (As per **Section VI** - technical specification) - Medical Electrical Equipments: Particular requirement for Electrical Safety of the equipments.
- (vii) Manufacturing unit who has been blacklisted either by the Tender inviting authority or by any state Govt. or Central Govt. organization is not eligible to participate in the tender for that item during the period of blacklisting. Copies of stay order(s) if any against the blacklisting should be furnished along with the bid.

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

- (i) The bidder have to submit manufacturer's authorization from original equipment manufacturer (OEM) as per the format at **Annexure - V**.
- (ii) They should have Proof of Average annual turnover of more than **Rs.1 Crore** in last three (3) financial years i.e 2014-15, 2015-16 & 2016-17 as per Annexure VI.
- (iii) Proof of supply of the quoted item (s) (executed directly by manufacturer or through distributor) of the equipment(s)/similar

equipments mentioned in the schedule of requirement to any Govt organization /Corporate Hospitals / PSU Hospitals / UN Agencies and and purchase order copies in support of that in last 3 years. (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) CE / US FDA / IEC certificates of the manufacturer as per technical specification. (Applicable for Major equipments).

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

2.4 **The bidder must produce** the valid drug licence for schedule 3 & 4 **(for laboratory preparations)**

DOCUMENTS TO BE SUBMITTED

The following documents should be enclosed in Cover "A" (Technical Bid) by the tenderer.

All the photocopies are to be self attested.

TECHNICAL BID :

3.1 Checklist with detail of the documents enclosed in **Cover "A"** (as per **Annexure - I**) with **page number**. The documents should be *serially arranged* as per this **Annexure - I** and should be securely tied and bound.

3.2 List of Item (s) Quoted with name of the Make & Model of the item (s) **(Annexure – II)**

3.3 Tender document fee of Rs.3, 000/- in shape of **Demand Draft /Banker Cheque (Non-Refundable)**

3.4 Earnest Money Deposit(s) as mentioned in the **Clause 8 of Section -II** in shape of Demand Draft/Banker's Cheque). Details of EMD and the name of the equipment quoted should be clearly mentioned.

- 3.5 Details name, address, telephone no., Fax, e-mail of the manufacturer / authorized distributor / service centre / contract person / office in Odisha **(Annexure - III)**.
- 3.6 The declaration form in **Annexure - IV** duly signed by the tenderer before Notary Public / Executive Magistrate.
- 3.7 Manufacturer's Authorization Format in **Annexure –V** (In case the bidder is not the manufacturer). Importers are also required to furnish the authorization from the manufacturer.
- 3.8 Certificate duly filled by the Auditor / Chartered Accountant (as per **Annexure –VI**) that the annual average turnover of the firm is Rs.1 Crore or more in last 3 financial years - for bidders who are manufacturer/importer) and so also authorised distributors.
- 3.9 Performance Statement (**Annexure - VII**) (**Item wise**) during the last three years towards proof of supply of similar equipments 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 (Item wise)
- 3.10 Deviation/No Deviation Statement from Technical Specification & details of technical specification of the product (**Annexure-VIIIA & B**)
- 3.11 Leaflet/Technical Brochures of the product/item offered.
- 3.12 Copy of Import License by the Importer (in case of Importer).
- 3.13 Copy of Valid ISO certificate.
- 3.14 Copy of Valid ISI / CE /US FDA certificate (as per Section V - Technical Specification).
- 3.15 Copy of Certificate in support of IEC certificate (as per Section V-Technical Specification).
- 3.16 Copy of the GST Clearance Certificate.
- 3.17 The Original Tender Booklet with Conditions and the schedules signed by the tenderer at the bottom of each page with his official seal duly affixed.

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

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

COVER – B (PRICE BID)

4. The price to be quoted for medical equipments should be sent in the prescribed price format in a separate sealed cover hereafter called cover **“B” (Price Bid)**. **Cover –B (Price Bid) of the tenderers who qualify in its Technical Bid (Cover – A) and complies to tender specification & find to be as per technical specification and Product demonstration (if required) will only be opened .**
- 4.1 The tender format (Price Schedule) in duplicate in the prescribed form (as per **Annexure – IX**), must be submitted in Cover-B. The price of the item should be quoted inclusive of all tax and warranty for 2 years. The price of CMC for 3 years, turnkey job (accessories if any for installation), should be quoted in a separate column. The rate should be quoted for **each item** both in figures and words. **In case of difference in words and figures, words will be taken into consideration for evaluation.**
- 4.2 The Cover “B” of tenderers who qualifies in their technical bid, will only be opened at the DTU Hall, NHM, DHH, O/o-CDM & PHO KEONJHAR. Date & time which will be intimated to them by CDM&PHO- KEONJHAR.

REJECTION OF TENDER

5. The tender submitted by the bidder will be rejected, if any of the following documents are wanting / not submitted with the tender:
- (i) Import License (In case of Importer)
 - (ii) Manufacturer’s authorization in case of distributor/importer
 - (iii) Tender Paper Cost
 - (iii a) Earnest Money Deposit (EMD).
 - (iv) Annual average turnover of the firm is Rs.1 Crore or more in last 3 financial years (for bidders who are manufacturer/importer) . In case of authorized distributor, they will also have to furnish along with their own turnover, the Annual Average turnover statement as

per Annexure–VI from the Manufacture/Importer of the item(s) as mentioned above.

- (v) Valid ISO certificate of Manufacturer
- (vi) Valid ISI / CE / US FDA certificate of the manufacturer as per Section VI – Technical Specification.
- (vii) IEC Certificate of the manufacturer as per as per Section VI – Technical Specification.
- (viii) Proof of supply/ installation of the quoted item (executed directly by manufacturer or through distributor) of the equipment(s)/similar equipments mentioned in the schedule of requirement to any Govt. Organization / Corporate Hospitals / PSU Hospitals / UN Agencies and 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).
- (xi) Received in other form other than Speed Post/ Regd. Post.

EARNEST MONEY DEPOSIT

- 6.1 The amount of Earnest Money Deposit required is mentioned in the Section-II. The Earnest Money Deposit will be submitted in the shape of **demand Draft /Bankers Cheque should be in favor of ZSS (NON-NRHM) KEONJHAR** from any Nationalized / Scheduled Bank payable at **KEONJHAR**
- 6.2 The EMD of the unsuccessful tenderers will be returned back without interest and EMD of successful tenderer will be returned after submission of performance security(ies).
- .6.3 The EMD will be forfeited if the tenderer withdraws its tender / furnish forged documents which is found during bid evaluation OR doesn't sign the contract / doesn't furnish performance security / doesn't supply the items (in case of successful bidder) within the stipulated time period.

PERFORMANCE SECURITY & AGREEMENT

- 7.1 The performance Security should be submitted in shape of **Bank Draft** from a Nationalised / Scheduled Bank in favour of **ZSS(NON- NRHM) KEONJHAR** equal to the amount of 10% of the purchase order value of the item (excluding cost of CMC & taxes) within 21 days of issue of the purchase order.
- 7.2 The agreement (**as per Annexure – X**) will be signed between the supplier and the purchaser and will be kept by the purchaser.
- 7.3 The performance Security Money will be returned back to the tenderer without interest after the expiry of the warranty period i.e. two years after the date of installation & signing of the CMC agreement.
- 7.4 Security money will be forfeited if there is any violation of the tender terms and conditions.

TENDER CONDITIONS :

- 8.1 The details of the medical equipments with specifications are mentioned in **Section VI. The firm must clearly mention their specification, special features, upgraded version (if any), detail technical catalogue of the offered model in their tender.**
- 8.2 Tenders should be typewritten or computerized and every correction in the Tender should invariably be attested with signature by the tenderer with date before submission, failing which the tender will be ineligible for further consideration.
- 8.3 Rates should be inclusive of all taxes and transportation along with 2 years onsite comprehensive warranty and should ***be quoted for the medical equipments (Item wise) on door delivery basis. The turnkey job (cost of accessories if any required for Installation/Commissioning), 3 year CMC cost & all other taxes should be mentioned in separate columns.*** The rates quoted should be in **Indian Rupees only**. Rates quoted in any other currency will not be accepted.

- 8.4 The purchaser shall be responsible only after delivery and due verification, installation and commissioning of the equipment.
- 8.5 The rate per unit shall not vary with the quantum of order placed for destination point.
- 8.6 If there is difference between figures & words, words will be taken into consideration.
- 8.7 In the event of the date being declared as a holiday by Govt. of Odisha, the due date of sale, submission of bids and opening of bids will be the following working day at the scheduled place & time.
- 8.8 The price quoted by the tenderers shall not in any case, exceed the controlled price, if any, fixed by the Central / State Government and the Maximum Retail Price (MRP). The purchaser, at his discretion, will in such case, exercise the right of revising the price at any stage so as to confirm to the controlled price or MRP as the case may be deleted.
- 8.10 No tenderer shall be allowed at any time on any ground whatsoever to claim revision of or modification in the rate quoted by him. Clerical error / typographical error, etc. committed by the tenderers in the tender forms shall not be considered after opening of tenders. Conditions such as “**SUBJECT TO AVAILABILITY**” / “**SUPPLIES WILL BE MADE AS AND WHEN SUPPLIES ARE RECEIVED**” etc., will not be considered under any circumstance and the tenders of those who have given such conditions shall be treated as incomplete and for that reason, shall be rejected.
- 8.11 If at any time during the period of rate contract, the price of tendered item is reduced or brought down by any law or act of the Central or State Government or the tenderer, the tenderer shall be morally and statutorily bound to inform the purchaser immediately about such reduction in the contracted price. The purchaser is empowered to unilaterally effect such reduction in rate, in case the tenderer fails to notify or fails to agree for such reduction of rate.

- 8.12 If the relevant documents / certificates which are required to be furnished along with the tender are written in language other than English, the tendering firm shall furnish English version of such documents / certificates duly attested by a
Gazetted Officer / Notary with his seal and signature.
- 8.13 If any information or documents furnished by the tenderer with the tender papers are found to be misleading or incorrect at any stage the tender of the relevant items in the approved list shall be cancelled and steps will be taken to blacklist the said firm for three (3) years.
- 8.14 Rate should be quoted in Indian Currency, both in words and figures against each item as the payments will be made in Indian currencies only (Annexure-IX). The tenderer shall not quote the rate for any item other than the item specified in the list. (**Section V – Schedule of Requirement**).
- 8.15 Both Cover-A and Cover-B should have an **index and page number** of all the documents submitted inside that cover.
- 8.16 The Tax will be charged as per the guidelines given by the Finance Dept., Govt. of Odisha from time to time.
- 8.17 The requirement of items may increase or decrease depending on the situation.

PACKAGING:

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

TURNKEY:

- 10.1 The electrical power supply point will be provided by the purchaser at the room where the equipment will be installed but the wiring and electrical fittings inside the room and accessories if any required for installation

& commissioning of the equipment from the power supply point to the point of actual installation or any other civil work required for installation of the equipment will be provided by the supplier without any extra cost (apart from the cost mentioned under turnkey in the Price schedule which should include the cost of all such requirement).

COMPREHENSIVE WARRANTY & CMC:

(Undertaking as per Annexure – XI & XII)

- 11.1 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 purchaser at the time of installation.
- 11.2 The warranty will cover **all the parts of the machine or item and any replacement or repair required** within the warranty period and will be provided by the supplier free of cost at the destination point (installation point). The supplier will take back the replaced parts / goods at the time of their replacement. No claim whatsoever shall be on the purchaser for the replaced parts / goods thereafter. No travelling allowances or transportation cost will be paid by the purchaser during the warranty period.
- 11.3 The Supplier shall warrant that the Goods supplied under this contract are new, unused, of the most recent or current models and they incorporate all recent improvements in design and materials. The Supplier shall further warrant that all Goods supplied under this contract shall have no defect arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in the place of final destination.
- 11.4 **CMC:** The tenderer shall also commit to provide offer for CMC (**Labour + all spare**) for the next three (3) years after three (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 one (1) preventive maintenance in every **six months** in a year during the period of CMC.
- 11.5 The selected

firm should have a service centre in Odisha.11.6 All the warranty certificates must be handed over to the consignee after installation.

TRAINING & OPERATIONAL MANUAL:

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

UPTIME GUARANTEE:

13.1 **UP-TIME BALANCE :**

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

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

In no case equipment should remain in non-working condition for more than 7 (seven) days from the date of complaint, beyond which a penalty will be

applicable as per Rule.14.2. The principals or their agents are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

SPARE PARTS:

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

LABELLING:

- 16.1 The equipment supplied must be properly labelled with Sl. No., Model Name, Make & year of Manufacture

ACCEPTANCE OF TENDER AND SUPPLY CONDITIONS:

- 17.1 The Purchaser reserves the right to reject the tenders or to accept the tenders for the supply of the item tendered without assigning any reason thereof.
- 17.2 The Purchaser will be at liberty to terminate the contract either wholly or in part without assigning any reasons thereof. The tenderers will not be entitled to any compensation whatsoever for such termination.
- 17.3 The **supply should be completed within 45 days** from the date of issue of purchase order unless otherwise specified. If no supply is received even after 45 days or 58 days with liquidated damage from the date of issue of the purchase orders, such orders will stand cancelled automatically without further notice. Penalties shall also thereafter be applied to the tenderer as specified in clause no. 21.1 to 21.2. The approved firm shall also suffer forfeiture of the EMD and Performance Security Deposit.

17.4 The tender inviting authority or his authorized representative (s) has the right to inspect the factory of those company who have quoted for the tender, before accepting the rate quoted by them or before releasing any purchase order (s) or at any point of time during the validity period of tender and has also the right to reject the tender or terminate / cancel the orders issued or not to reorder based on the facts brought out during such inspections.

EVALUATION:

18.1 The price bid of the tenders who qualify in the technical bid fulfilling the eligibility criteria and complying to the technical specification shall only be opened.

18.2 The tender inviting authority may ask for demonstration of the equipment by the bidders at the premises of the tender inviting authority or a place as decided by the tender inviting authority as a part of the technical evaluation before opening of price bid in order to verify the compliance to technical specification.

18.3 The rates of the item quoted by the tenderer who qualify technically will be evaluated after taking the following points into consideration: -

a) Rate of the medical equipments will be taken after inclusion of all taxes and comprehensive warranty for two (2) years, cost of turnkey (cost of accessories if any for installation/commissioning) if any & excluding CMC for for next three(3) years.

b) The cost of the medical equipments inclusive of all taxes & comprehensive warranty for two (2) years and cost of turnkey (cost of accessories if any for Installation & Commissioning with all taxes for turnkeys) & excluding cost of CMC for next three(3) years .

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 :

- 19.1 The CDM&PHO, KEONJHAR may allow extension for a maximum period of 4 (four) weeks(28 days), after the stipulated date of supply (i.e. 45 days) with a penalty of 0.5% which will be deducted from the purchase order value as "Liquidated Damage", for each week (7 days) of delay upto a maximum 2% on the value of the goods.
- 19.2 If the supplier fails to complete the supply within the extended period, i.e. 58 days after being allowed by the purchaser, no further purchase order will be placed to the firm for the said item including forfeiture of the Performance security and the concerned firm will be blacklisted for two (2) years from the date of issue of letter for the said item.

TERMS OF PAYMENT :

- 20.1 No advance payments towards cost of medical equipments or turnkey job will be made to the tenderer.
- 20.2 90% 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.
- 20.3 Payments as mentioned above will only be made after keeping the **performance security deposit** from the supplier as per clause no. 7.1, if the

have not deposited the same before. Payment will only be made after ensuring signing of the Agreement, undertaking and handing over of warranty papers of equipment and turnkey jobs by the supplier to the purchaser.

- 20.4 No claims shall be made against the purchaser in respect of interest on earnest money deposit or performance security deposit or any delayed payment or any other deposit.
- 20.5 Payments in shape of Draft / Pay Order will preferably be dispatched to the supplier by Registered post with A.D or e-payment / on-line transfer or may be handed over to the authorized person of the supplier.
- 20.6 The payment of CMC will be made on a **six monthly basis**, after completion of warranty period and signing of the CMC agreement.

PENALTIES:

- 21.1 If the successful tenderer fails to deposit the required performance security within the time specified or withdraws his tender after acceptance of his tender owing to any other reasons or unable to undertake the contract, his contract will be cancelled and the earnest money deposit / performance security deposit shall stand forfeited by the purchaser.
- 21.2 Violating the tender terms and conditions & non supply / supply which is not as per technical specification will disqualify the firm to participate in the tender for a period of 2 (two) years from the date of issue of letter and his E.M.D & performance security deposit will be forfeited and no further purchase order will be placed to that firm for that item.
- 21.3 In the event of any dispute arising out of the tender, such disputes would be subject to the jurisdiction of the High Court of Odisha.

INSPECTION/TESTING:

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

SECTION –IV

PART-A

**Schedule of Requirements of Equipments/Instruments/Furnitures /Bedding & Clothing & Other Items
for MCH Wing of DHH, KEONJHAR**

Sl.No	Schedule	Name of the Equipment	Requirement (Approx)	Place OF Supply/Installation	Time for
1	Schedule - 1	Racks Iron	4	DHH,KEONJHAR / ANANDAPUR SDH	45 days
2		Teaching Equipments (Furniture for Class room/Meeting Hall			
a		White/Colour Boards	1		
b		Colour Television	3		
c		DVD Player	4		
d		Furniture for Class room/Meeting Hall			
3		Equipment for Hospital Plants			
4		Equipment for Hospital Fittings & Necessities.			
a		Diesel Generator Set	2		
5		Furniture & Hospital Accessories			
a		Doctor's Chair for OPD, Blood Bank & Lab etc. (Revolving)	5		
a.1		Doctor's Table with Drawer	2		
a.2		Duty Chairs for Nurses	10		
a.3		Steel Cup Board	3		
a.4		Racks-Steel-Wooden	5		
a.5		Patient Waiting Chairs Moulded	24		
a.6		Attendants Cots			
a.7		Office Chairs (Revolving)	6		
a.8		Office Table with drawer	2		
a.9		Computer Table	4		
b.1		Filing Cabinet for Records	4		
b.2		Back Rest	5		
b.3		Surgical Bin Assorted	1		
b.4		Oxygen Cylinder Trolley	1		
b.5		Colour Coded Bin	4		

b.6		Bed PAB (SS)*Filter	2
b.7		Waste Disposal Trolley (SS)	2
b.8		LINEN Almirah	2
b.9		Oxygen Cylinder with SPANNER WARD Type	2
c.1		Adult Weighing Scale	9
c.2		Allies forceps	22
c.3		Anterior vaginal wall Retractor	4
c.4		Artery forcep	26
c.5		Autoclave drums for instrument, linen,gloves,cotton	1
c.6		Baby Tray	1
c.7		Baby Weighing Scale	3
c.8		Bowel for antiseptic lotion	11
c.9		Brass V drape to collect blood and amniotic Fluid	9
d.1		Bucket & Kelly's pad	4
d.2		Cot with mattress,bed sheet, pillow cover,door & window cotton	2
d.3		Delivery Tray	6
d.4		Dressing Drum	2
d.5		Electrical Hub Cutter	2
d.6		Emergency Drug Tray	1
d.7		Episiotomy scissor	11
d.8		Examination Try/Instrument Trolley	2
d.9		Foeto Scope/Foetal doppler	2
e.1		Height measurement chart	2
e.2		Hub cutter	2
e.3		Instrument for sterilizer S.S (Big)	1
e.4		Instrument for sterilizer S.S (Medium)	2
e.5		Kelly's pad	6
e.6		Kocher's Forceps	2

e.7		Large speculum cusco	2			
e.8		Large speculum/sims Speculum L	3			
e.9		Measuring Tape	2			
f.1		Medium Speculum cusco	4			
f.2		Medium Speculum Sims	3			
f.3		MVA aspiration syringe	4			
f.4		Nasal Preng	2			
f.5		Needle Holder	7			
f.6		New born thermometer	2			
f.7		PPIUCD Insertion Forceps	2			
f.8		Ringle Forceps	4			
f.9		Scissor	16			
g.1		Sims speculum	5			
g.2		Small Bowel for antiseptic lotion	4			
g.3		small Speculum cusco	4			
g.4		small Speculum sims	4			
g.5		Spaculum	12			
g.6		Spaculum Large	2			
g.7		Sponge Holder	9			
g.8		Sponge Holding forceps	28			
g.9		Stich Cutter	2			
h.1		Thermometer	1			
h.2		Tongue Depressor	2			
h.3		toothed Forceps	10			
h.4		Toungue Depressor	2			
h.5		vaginal speculum	2			
h.6		Vaginal Wall Retractor	2			
h.7		Wall mounted thermometer	2			
h.8		Needle Cutter & Melter	5			
6		LINEN				
a		Bed Sheet				
b		Bed Spreads				
c		Blanket Red& Blue				
d		Patna Towels				
e		Table Cloth				

f	Draw Sheets		DHH Keonjhar	45 days
g	Doctor's Overcoat			
h	Hospital Worker Coat			
7	LINEN			
a	Patient's House Coat (for Female)			
b	Patient's Pyjama (For Male) Shirt			
c	Pillows			
d	Pillow Cover			
e	Abdominal Sheets for OT			
f	Pereneal Sheets for			
g	Leggings			
h	Mats (Nylon)			
i	Makintosh Sheet in Meters			
j	Mosquito Net			

Samples are to be produced for Bedding & Clothing Items and catalogues of Furniture's are to be before the purchase committee during the day of technical bid opening.

SECTION –IV

PART-B

Schedule-2 of Requirement of Equipment/Instruments/LINENS Items for IMR/MMR, KEONJHAR

Sl.	Schedule	Name of Items	Place OF Supply/Installation	Time for Supply
1		Equipment/Instruments:	Central Store, DHH, KEONJHAR	45 days
a	Schedule-2	Resuscitation Kit		
b		Multipara Monitor (3		
c		Multipara Monitor (5		
d		ECG Machine		
2		LINEN Items		
a	Disposable draw sheets			
b	Disposable gowns			
c	Bed and mattress			

Samples are to be produced during the technical bid opening.

SECTION –IV**PART-C****Schedule-3 of Requirement of Instrument, Equipment, furniture & laboratory utencils under HWC, KEONJHAR**

Sl.	Schedule	Name of Items	Approximate Requirement	Place OF Supply/Installation	Time for Supply
1	SCHEDULE-3	Chairs for patient waiting area	10 NOS.	DHH,KEONJHAR	45 DAYS
2		Foot Step	4 NOS.	DHH,KEONJHAR	
3		Office Chair	4NOS.	DHH,KEONJHAR	
4		Office Table	2 NOS.	DHH,KEONJHAR	
5		Screen Separators with stand	4 NOS.	DHH,KEONJHAR	
6		Steel Almirah / Cupboard/storage chests	2 NOS.	DHH,KEONJHAR	
7		Stool for attendants	4 NOS.	DHH,KEONJHAR	
8		Tray instrument/Dressing with cover 310 x 195x63mm SS,	4 NOS.	DHH,KEONJHAR	
9		Torch (ordinary)		DHH,KEONJHAR	
10		Dressing Drum with cover 0.945 litres stainless steel	4 NOS.	DHH,KEONJHAR	
11		Hemoglobinometer – set Sahli type complete	4 NOS.	DHH,KEONJHAR	
12		Weighing Scale, Adult 125 kg/280 lb	4 NOS.	DHH,KEONJHAR	
13		Steam Sterilizer	4 NOS.	DHH,KEONJHAR	
14		Surgical Instruments	4 NOS.	DHH,KEONJHAR	
15		Surgical Scissors straight 140 mm, ss	4 NOS.	DHH,KEONJHAR	
16		Sphygmomanometer Aneroid 300 mm with cuff	4 NOS.	DHH,KEONJHAR	
17		Kelly's Forceps	4 NOS.	DHH,KEONJHAR	
18		Cheatle's Forceps with Holder	4 NOS.	DHH,KEONJHAR	
19		Sponge holder	4 NOS.	DHH,KEONJHAR	
20		Plain Forceps	4 NOS.	DHH,KEONJHAR	
21		Tooth Forceps	4 NOS.	DHH,KEONJHAR	
22		Needle Holder	4 NOS.	DHH,KEONJHAR	
23		Suture needle straight -10	4 NOS.	DHH,KEONJHAR	
24		Suture needle curved	4 NOS.	DHH,KEONJHAR	
25		Kidney tray	4 NOS.	DHH,KEONJHAR	
26		Artery Forceps, straight, 160mm Stainless steel	4 NOS.	DHH,KEONJHAR	
27		Dressing Forceps (spring type), 160 mm, stainless steel	4 NOS.	DHH,KEONJHAR	
28		Clinical Thermometer oral & rectal	4 NOS.	DHH,KEONJHAR	
29		Talquist Hb scale	4 NOS.	DHH,KEONJHAR	
30		Stethoscope	4 NOS.	DHH,KEONJHAR	
31			Hub Cutter and Needle Destroyer	4 NOS.	

32	SCHEDULE-3	Suction Machine	4 NOS.	DHH,KEONJHAR	45 DAYS
33		Oxygen Administration Equipment	4 NOS.	DHH,KEONJHAR	
34		Measuring Tape	4 NOS.	DHH,KEONJHAR	
35		I/V Stand	4 NOS.	DHH,KEONJHAR	
36		Artery Forceps-Curved	4 NOS.	DHH,KEONJHAR	
37		BP Apparatus (Digital)	4 NOS.	DHH,KEONJHAR	
38		Digital Thermometer	4 NOS.	DHH,KEONJHAR	
39		Examination Lamp	4 NOS.	DHH,KEONJHAR	
40		Weighing Scale Adult (Digital)	4 NOS.	DHH,KEONJHAR	
41		Oxygen Cylinder with trolley	4 NOS.	DHH,KEONJHAR	
42		Stadiometer	4 NOS.	DHH,KEONJHAR	
43		Nebulizer	4 NOS.	DHH,KEONJHAR	
44		Rapid Diagnostic Kit	4 NOS.	DHH,KEONJHAR	
45		Slide drying rack	4 NOS.	DHH,KEONJHAR	
46		Specimen collection bottle(100/pack)	4 NOS.	DHH,KEONJHAR	
47		Spirit lamp	4 NOS.	DHH,KEONJHAR	
48		Test tube holding clamp	4 NOS.	DHH,KEONJHAR	
49		Test tube rack	4 NOS.	DHH,KEONJHAR	
50		Test tubes		DHH,KEONJHAR	
51		Glass rods	10 NOS.	DHH,KEONJHAR	
52		Glass Slide box of 25 slides	4 NOS.	DHH,KEONJHAR	
53		Reagents such as Hydrochloric acid, acetic acid, Benedict's solution, Bleaching powder, Hypochlorite solution, Methylated spirit etc.		DHH,KEONJHAR	
54					
55		Acetic Acid Solution(500ml)	10 BOTTLOLS	DHH,KEONJHAR	
56		Micropipette	10 NOS	DHH,KEONJHAR	
57		Yellow Tips for Micropipette	10 NOS	DHH,KEONJHAR	
58		H ₂ S strips test bottles for water testing		DHH,KEONJHAR	
59		Weighing Scale, Infant (10 Kg)	4 NOS.	DHH,KEONJHAR	
60		Weighing Scale, (baby) hanging type, 5 kg	4 NOS.	DHH,KEONJHAR	
61		Surgical Instruments	4 NOS.	DHH,KEONJHAR	
62		Vulsellum	4 NOS.	DHH,KEONJHAR	
63		Cusco's/Graves Speculum	4 NOS.	DHH,KEONJHAR	
64	Cusco's/Graves Speculum	4 NOS.	DHH,KEONJHAR		
65	Sims retractor/depressor	4 NOS.	DHH,KEONJHAR		
66	Sims Speculum	4 NOS.	DHH,KEONJHAR		
67	Uterine Sound Graduated	4 NOS.	DHH,KEONJHAR		
68		Cord cutting Scissors	4 NOS.	DHH,KEONJHAR	
69		Episiotomy Scissors	4 NOS.	DHH,KEONJHAR	
70		Vaccine Carrier	4 NOS.	DHH,KEONJHAR	
71		Ice pack box	4 NOS.	DHH,KEONJHAR	
72		Foetoscope	4 NOS.	DHH,KEONJHAR	

73	SCHEDULE-3	Ambu Bag (Paediatric size) with Baby mask	4 NOS.	DHH,KEONJHAR	45 DAYS
74		Tracking Bag and Tickler Box (Immunization)	4 NOS.	DHH,KEONJHAR	
75			4 NOS.	DHH,KEONJHAR	
76		Rapid Pregnancy Testing Kit	4 NOS.	DHH,KEONJHAR	
77		N/10 Hydrochloric Acid(500ml)	4 NOS.	DHH,KEONJHAR	
78		Dipsticks for urine test for protein and sugar (<i>1 container of 25 strips</i>)	4 NOS.	DHH,KEONJHAR	
79		Interdental cleaning aids	4 NOS.	DHH,KEONJHAR	
80		Flashlight/Torch Box-type pre-focused (4 cell)	4 NOS.	DHH,KEONJHAR	
81		Tongue Depressor(wooden:100/pack	4 NOS.	DHH,KEONJHAR	
82		Mouth Gag	4 NOS.	DHH,KEONJHAR	
83		Mouth Mirror	4 NOS.	DHH,KEONJHAR	
84		Tuning fork	4 NOS.	DHH,KEONJHAR	
85		Nasal Speculum (St. Claire's)*	4 NOS.	DHH,KEONJHAR	
86		App and headphones for App-based Audiometry *	4 NOS.	DHH,KEONJHAR	
87		Ear Speculum – metallic, dull finish	4 NOS.	DHH,KEONJHAR	
88		Jobson-Horne probe	4 NOS.	DHH,KEONJHAR	
89		Eustachian Catheter	4 NOS.	DHH,KEONJHAR	
90		Whole Blood Finger Prick HIV Rapid Test and STI Screening Test each	4 NOS.	DHH,KEONJHAR	
91		NCD	4 NOS.	DHH,KEONJHAR	
92		Glucometer	4 NOS.	DHH,KEONJHAR	
93		Glucometer Testing Strips		DHH,KEONJHAR	
94		Snellens vision chart	4 NOS.	DHH,KEONJHAR	
95		Near vision chart	4 NOS.	DHH,KEONJHAR	
96				DHH,KEONJHAR	

SECTION –IV**PART-D****Schedule-4 of Requirement of Instrument, Equipment & furniture under HDU, KEONJHAR**

Sl.	Schedule	Name of Items	Approximate Requirement	Place OF Supply/Installation
1	SCHEDULE-4	Maternity cot with electrically/manually manoeuvred with all position, with mattress with provision for lithotomy and delivery	8 NOS.	DHH, KEONJHAR
2		adjustable bed side table	4 NOS.	DHH, KEONJHAR
3		stethoscope Adult & Paediatric	8 NOS.	DHH, KEONJHAR
4		Thermometer	8 NOS.	DHH, KEONJHAR
5		Glucometer	8 NOS.	DHH, KEONJHAR
6		Adult Weighing machine	8 NOS.	DHH, KEONJHAR
7		Measuring Tape	8 NOS.	DHH, KEONJHAR
8		IV Stand	8 NOS.	DHH, KEONJHAR
9		Foetoscope	8 NOS.	DHH, KEONJHAR
10		Videoptic Laryngoscope With Monitors	8 NOS.	DHH, KEONJHAR
11		Intubating LMA	8 NOS.	DHH, KEONJHAR
12		One ultrasound machine with colour doppler and Echo facility	1 NOS.	DHH, KEONJHAR
13		One CTG Machine	1 NOS.	DHH, KEONJHAR
14		Multipara Bed side Monitors	8 NOS.	DHH, KEONJHAR
15		Central Monitoring system connecting all bed side monitors to monitor the vital signs of all the patients	8 NOS.	DHH, KEONJHAR
16		Adult intubation kit with laryngoscope with different size blade and different size endotracheal tube	1 NOS.	DHH, KEONJHAR
17		Baby resuscitation kit	8 NOS.	DHH, KEONJHAR
18		One crash cart fully loaded with BCLS medication	8 NOS.	DHH, KEONJHAR
19		One defibrillator with TCP & AED	8 NOS.	DHH, KEONJHAR
20		Portable x- Ray machine	1 NOS.	DHH, KEONJHAR
21		Autoclaving machine for sterilization	1 NOS.	DHH, KEONJHAR
22		Drum with instruments for uterine and vaginal packing	8 NOS.	DHH, KEONJHAR
23		CNS Tray with troch , hammer etc	8 NOS.	DHH, KEONJHAR
24		central oxygen supply	8 NOS.	DHH, KEONJHAR
25		Wall mount Suction	8 NOS.	DHH, KEONJHAR
26		X- ray view box	1 NOS.	DHH, KEONJHAR
27		Anasthasia Apparatus	1 NOS.	DHH, KEONJHAR
28		One transport Ventilator to shift the patient to ICU	8 NOS.	DHH, KEONJHAR
29		One Non-invasive ventilator	8 NOS.	DHH, KEONJHAR
30		TWO BIPAP	8 NOS.	DHH, KEONJHAR
31		Warmers	8 NOS.	DHH, KEONJHAR
32		Two movable shadowless spot lighting for procedures with adjustable arms	8 NOS.	DHH, KEONJHAR
33		Refrigerator	1 NOS.	DHH, KEONJHAR
34		Two Blood warmer	8 NOS.	DHH, KEONJHAR
35		separate eclampsia box	8 NOS.	DHH, KEONJHAR
36		Intermission compression device for DVT Prophylaxis	8 NOS.	DHH, KEONJHAR

37	ABG Machine	8 NOS.	DHH,KEONJHAR
38	Patograph	8 NOS.	DHH,KEONJHAR
39	Flexible fibroscope	8 NOS.	DHH,KEONJHAR
40	Patient controlled analgesia delivery system	8 NOS.	DHH,KEONJHAR
41	ThrmboelastOGRAPHY	8 NOS.	DHH,KEONJHAR
42	input/Output Chart	8 NOS.	DHH,KEONJHAR
43	Hub cutter	4 NOS.	DHH,KEONJHAR
44	Puncture proof container	8 NOS.	DHH,KEONJHAR
45	Colour coded bins	8 NOS.	DHH,KEONJHAR
46	Wall clock	2 NOS.	DHH,KEONJHAR
47	Two CCTV Camera for security	8 NOS.	DHH,KEONJHAR
48	One EPABX system	8 NOS.	DHH,KEONJHAR
49	Wheele chair	8 NOS.	DHH,KEONJHAR
50	MAYO INSTRUMENT TROLLEY	4 NOS.	DHH,KEONJHAR
51	STRETCHER ON TROLLEY	2 NOS.	DHH,KEONJHAR
52	OXYGEN CYLINDER TROLLEY	8 NOS.	DHH,KEONJHAR

SECTION –V

TECHNICAL SPECIFICATION (PART-A&B)

1. DGSET with AMF Panel

Technical Specification:

Generator Capacity: 25 KVA/ 62.5 KVA/82.5KVA/100KVA/125KVA

Minimum Engine Power: 37BHP

Minimum Alternator Sped (RPM):150

Cooling System: Air Cooled

No. Of Cylinders: Minimum 4

Governing Class: A1

Output phase: Three

Mum Out Put (AC):415

Min. battery capacity (AH): 120AH (120 volts)

Minimum Fuel tank Capacity: for 12 Hour continuous Running.

Common Features:

1. Starting System: 12Volt, DC
2. Alternator Frequency: 50Hz
3. Alternator should brush les and H class insulation.
4. Fuel Tank should be base mounted & drawer type.
5. D.G. Set Lifting arrangement should be there.
6. Canopy body of the D.G. Set should be minimum 1.6 mm thick C.R.C.A. sheet.
7. Canopy base should be minimum 3 mm thick C.R.C.A. sheet / appropriate to KVA Capacity.

Safety Features:

1. Engine temperature indicator.
2. Low oil pressure indicator
3. Emergency stop

Display:

1. Battery charging
2. Low oil pressure
3. Low fuel level
4. High water temp

Turnkey Job: Civil foundation will be done by the supplier at his own cost. Installation, commissioning,
All cables and wires required for installation will be supplied by the supplier at his own cost.

Panel Board:

1. Starting Switch, Voltmeter 0 – 50: - 3 Nos. (In three phase generators) Ammeter 0-10A: 1 No. with selector switch (in three phase generators), frequency meter

(50Hz) 1no. Appropriate circuit breaker / MCB – 3 Nos. (In three phases Generators), Control fuses – 1 set, KW/H meter 1 No., bottom cable entry with incoming /outgoing terminals.

Earthing:

1. Will be done by the approved supplier at his own cost.
2. With appropriate thickness of GI pipe. (40mm/50mm)
3. Copper strip for body and neutral

2. New Born Resuscitation Kit

- Two clean warm towels/clothes
- A folded piece of cloth
- Anew born size bag and mask-250 ml and 500ml
- Infant mask in 2 sizes.
- Suction devices.
- A clock
- Two no. of umbilical cord clamps.
- Sterile gauge

3. Office Table with two side drawers

- A. **Main Table**
- a. The size of main table shall be 1370 mm (W) x 690 mm (D) x 740 mm (H).
 - b. The top should be made of 18 mm thick Pre-laminated board with 2 mm thick Doelleken/equivalent beading matching lipping.
 - c. Stiffener under structure should be (1.6mm thick) C shaped CRCA steel sheet is to be provided under the top to give additional strength.
- B. **Under structure**
- a. The leg and other under structure should be made of round tubular under structure frame with footrest shall be made from MS ERW round tubes dia.25.4 mm x 1.2 mm thick.
 - b. There shall be two sets of storage unit. Left unit have two drawers and Right side unit have three drawers as shown in pictorial unit. The shell of the drawer unit shall be made of 0.8 mm thick CRCA steel sheet.
 - c. Drawer slides shall be based on friction slides of 1.2 mm thick CRCA steel sheet. It should have 6 lever brass lock. The handles of drawer are made of ABS plastic fitted under the self-surface with screw. The draw should have the single locking mechanism working on under lever.
 - d. Leg should be plastic buffer supports fitted with screw.
 - e. All the MS structure and draws are to be power coating with dry film thickness more than 50 microns, Salt Spray test to withstand more than 1000 hours, Pencil scratch hardness more than 2H, Adhesion as per DIN 53152Standards. The powder coating shall be of good quality (7 processes) to ensure good adhesion of life of the coating.

4. Revolving chair

- a. Seat & Back Assembly : The seat and back shall be made of PU foam of density $45 \pm 2 \text{ Kg/m}^3$ upholstered with changeable fabric upholstery covers (as per requirement).
Back Size: 480 mm. (W) X 550 mm (H) Approx. Seat Size: 480 mm (W) X 550 mm. (D) Approx.
- b. Base : Five prongs made of black colour reinforced PU plastic with Nylon wheels and pneumatic up & down with one point locking mechanism.
- c. Handle armrest : The armrest shall be gas-assisted injection moulded from black Polypropylene.
- d. Revolving & tilt : Chair should have a full 360° revolving mechanism with 17 deg. maximum tilt only and tilt tension adjustment facility
- e. Height of chair : Maximum and minimum height is approx. is 930mm and 830 mm respectively
- f. Powder coating : Other visible metal parts and seat base support metal parts should be powder coated with dry film thickness more than 50 microns, Salt Spray test to withstand more than 1000 hours, Pencil scratch hardness more than 2H, Adhesion as per DIN 53152 Standards. The powder coating shall be of good quality (7 process) to ensure good adhesion of life of the coating.

5. Visitors Chair:

- a. Feature: Should Have 100% VOC Free Powder coating.
Should be designed for long life and easy part replacement.
- b. Specification: Width-750mm
Depth-750mm
Height-750mm

6. Three Seater Chair

Stainless Steel 3 Seater Waiting Chair
Height 31 inch X Length 70 inch X width 26 inch

7. Stool

Top Size: 80cm X 38cm of steel body
Height Range:76 cm to 106 cm
Revolving top with iron base

8. Computer Table

- a. Overall Size : 900x500x750 mm (L x W x H) approx
- b. Understructure : It shall be made of 18 mm thick high quality Pre-laminated. Particle boards with PVC strip edge banding of all exposed edge
- c. Key board tray : With telescopic ball slides to be used for keyboard tray
- a. Mouse roller tray : This shall be attached with the key board tray.
- b. Under self-structure : It should have place to keep CPU, printer and UPS.
The size of the open area for CPU should be 200 mm (W) x 400 mm (D) x 500 mm (H).
- c. Wheel : Four swivel wheel made of plastic/ steel having load bearing of 10Kg/wheel.
- d. Fitting : The particle board should be inter fitted with metal insert type screw fitting

9. Steel Alamirah

- a. Overall size : 1270 mm (H) x 765 mm (W) x 440 mm (D)
- b. Materials : The CRCA steel sheet used for the body should be 0.9 mm thick,
- c. Construction : It should interlocking design and full length over lapping doors and sides.
It should have three way bolting mechanism. The two doors have hinge mounted on frame
- d. Doors : The doors have one handle and lever locking mechanism with
6- Six lever Mazak Zinc Plated Lock.
- e. Powder coating : All steel components should undergo eight tank anti rust treatment and oven
Baked epoxy polyester powder coating with 50-60 micron dry film thickness. Salt Spray test to withstand more than 1000 hours as per IS 101, Pencil scratch hardness more than 2H, Adhesion as per DIN 53152 Standards.
- f. Shelves inside Almirah

10.TV

Description	
Type	LCD/LED
Size	49 inch or more measured diagonally
Resolution	1080p minimum
AV	1
Audio out(Mini Jack)	1
PC Audio In(mini Jack)	1
Clear motion rate	60
HDMI	4
USB	2
Star rating	5 star

11.DVD Player

Description	
Play back Media	CD
	CD-R/CD-RW
	Video CD/SVCD
	DVD
	DVD+R/+RW
	DVD-R/-RW
	DVD-Video
Compression formats	MPEG1
	MPEG2
Video disc playback system	PAL
	NTSC
USB	Should support USB Playing

12. DISPOSABLE DRAW SHEET

- It should be made up of SMS cloth.
- It should be of good quality interlining fabric with 40gsm capacity.
- It should be water proof.
- It should be provided in double packing.
- The size of disposable draw sheet should be of 120cm* 100cm in size.
- The fabric composites should be strong durable, antimicrobial, anti-static flame resistant, stain, odor & fluid resistant.

- The material should be of high grade ,soft texture, top quality & skin friendly.

13. DISPOSABLE PATIENT GOWN

- The disposable gown should be made up of non woven cloth.
- It should be of 40gsm good quality interlining fabric non woven.
- It should be of approximately 1 meter 30 cm.
- The disposable gown should be provided with double packing.
- It should be provided in sterilized form.

14. BED AND MATTRESS

QUALITY STANDARD

- Should be CE/BIFMA/BIS approved model.
- Manufacturer should have ISO 9001 certification fo quality management standard.
- Manufacturer should have ISO 14001 certification for environmental management system.
- Manufacturer should have BS OHSAS 18001 certification for occupational health and safety management.
- Should furnish stainless steel grade certificate from GOVT/GOVT approved testing laboratory.
- Manufacturer should produce test certificate from GOVT/GOVT approved laboratory for test procedure like impact test bend test salt chamber test, epoxy powder coating and phosphate coating for quoted item.

SPECIFICATION:-

- The size of the bed should be of -2030*900*500mm (L*W*H)
- It should be epoxy coated mild steel frame work.
- The material should be used stainless steel.
- It should mounted on protective stumps.
- There should be provision for IV Rods.
- It should be provided with 3" mattress which include foam both sides with 2" EPA sheet in between.

15. Adult Weighing scale

Sturdy **dial type mechanical** platform weighing machine for adult and children. Zero adjustment facility should be there. Sensitivity: 500 gm Range of weighing: 0-120kg 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 by legal metrological Deptt. In case of distributor, the bidder should have valid distributor and repair license from legal metrological Deptt., Govt. of Odisha. **ISO 9001 certified manufacturer** (certificate to be submitted). Warranty: 1 Year

16. Thermometer; Digital

General 1. Use

- 1.1. clinical purpose to measure body temperature
- 1.2. Used by clinical department/ ward :All

Technical

2. technical characteristics

2.1. technical characteristics (specific to this type of device)

1. Range of temperature measurement 32°C- 42°C (89.6°F-109.4°F).
2. Can be calibrated in both centigrade and Fahrenheit, but if only one option is available, then Fahrenheit is preferable.
3. Buzzer signal function.
4. Takes 60-90 seconds to measure temperature.
5. Can be used in the armpit/axilla, orally and rectally.
6. Accuracy of temperature ± 0.1 °C and ± 0.2 F.

2.2. User's interface :LCD display

2.3. software and/or standard of communication (where ever required) :inbuilt

3. physical characteristics

3.1. Dimensions (metric):NA

3.2. Weight (lbs, kg) :NA

3.3. configuration:NA

3.4. Noise (in dBa):NA

3.5. heat dissipation:NA

3.6. mobility, portability :Portable

4. energy source (electricity, Ups, solar, gas, water, CO₂)

4.1. power requirements :As per device

4.2. Battery operated :yes

4.3. tolerance (to variations, shutdowns) :NA

4.4. protection :NA

4.5. power consumption :As per device

5. accessories, spare parts, consumables

5.1. accessories (mandatory, standard, optional) :NA

5.2. spare parts (main ones) :NA

5.3. consumables / reagents (open, closed system)

Batteries Bidding / procurement terms / Donation requirements

6. environmental and Departmental considerations

6.1. atmosphere / ambiance (air conditioning, humidity, dust ...)

Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%. Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90%.

6.2. User's care, cleaning, Disinfection & sterility issues :Complete unit to be easily washable and sterilizable using both alcohol and chlorine agents.

7. Standards and safety

7.1 .certificates (pre-market, sanitary, ..); performance and safety standards (specific to the device type); local and/or international ISO:13485 Manufacturer

8. Training and installation

- 8.1.pre-installation requirements: nature, values, quality, tolerance Supplier to perform operation checks before handover.
- 8.2. Requirements for sign-of Certificate of inspection from the factory.
- 8.3. Training of staff (medical, paramedical, technicians) :NA
- 9. Warranty and maintenance
 - 9.1. Warranty: One year
 - 9.2. Maintenance tasks :NA
 - 9.3.service contract clauses, including prices :NA
- 10. Documentation
 - 10. Operating manuals, service manuals, other manuals Required
- 11. Notes
 - 11.service support contact details (hierchy Wise; including a toll free/landline number)
- 11.Recommendations or warnings :NA

17.Measuring Tape

Measuring Tape

- ☑ Compact tape measure is handy to have around the house or to carry in your pocket or purse for when you need to measure on the go
- ☑ Flexible tape can measure round or straight objects
- ☑ Shows inches on one side, centimetres on the other
- ☑ 2 inch diameter plastic case has push button retractor
- ☑ Tape is 1/4 inch wide by 60 inches long; made of fibre glass for strength and long life
- ☑ Calibration should be as per CE/BIS standard.
- ☑ Manufacturer should be ISO certified.

18.Instrument Sterilizer S.S(Medium)

- 1.1 Clinical purpose -A sterilizing of surgical instruments and other items used in surgical procedure at water boiling point temperature in a closed chamber.
- 1.2 Used by clinical department/ward/Operation theatre etc

TECHNICAL

2. TECHNICAL CHARACTERISTICS

- 2.1-Technical characteristics (specific to this type of device)
 - 1) Should have seamless shell & lever operated Lid fitted with full proof mechanism control excessive steam escape and restricts condensate within the shell.
 - 2) Synchronized manoeuvrability of lid, due to statistically perforated tray for flushing & entry of water.
 - 3) SS 304/316 deep drawn seamless construction
 - 4) Thermostatically controlled
 - 5) Drainage plug at the bottom
 - 6) Size ideally: 20x8x6 inch
- 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)- 20x8x6 inch
- 3.2 Weight (lbs, kg)-NA

3.3 Capacity-

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-Recharging unit: Input voltage- 220V-240V AC, 50Hz

4.2 Battery operated-No

4.3 Tolerance (to variations, shutdowns)-NA

4.4 Protection-Should have over-charging cut-off with visual symbol.

4.5 Power consumption – 1.5 to 2KW

5. ACCESSORIES, SPARE PARTS, CONSUMABLES

5.1 Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)-NA

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/BIS approved product.

2. Manufacturer and Supplier 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)

7.2-Local and/or international-Manufacturer / supplier should have ISO 13485 certificate for quality standard.

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-1years

9.2 Maintenance tasks-

1) Maintenance manual detailing; 2) Complete maintenance schedule;
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;

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;

14. 11.2 Recommendations or warnings-Any warning signs would be adequately displayed

19.Examination Tray/Instrument tray

- Size (in Inches): 10 X 8. Stainless Steel Instrument Tray made of joint less 304 grade stainless steel.
- It should be autoclavable.
- The tray should be equipped with flat cover with Lid
- Manufacturer should be ISO13485 approved
- Product should be BIS/CE approved

20.Emergency Drug Tray –Standard Size

21.Brass V Drape to collect blood and amniotic fluid

22.Wall Mounting Thermometer manual

- Scale length - 120mm
- **Polystyrene frame**
- **Manufacturer should be ISO13485 approved**
- **Product should be BIS/CE approved**

23.Thermometer Adult

24.Hub Cutter

Product Quality Standards:

- Should be US FDA or CE approved product.
- Electrical safety confirms to standards for electrical safety IEC-60601.

Technical Specification:

- Should be light weight, portable & compact.
- Housing should be molded 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 be able to cut and destroy the needle up to 18G.
- Should be 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.

25. Baby Weighing Scale

1.1. Clinical purpose -To measure body mass of the neonate

1.2 Used by clinical department/ward-NICU/SNCU

TECHNICAL

2. TECHNICAL CHARACTERISTICS

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

1. Table top, light and portable, 2. Built in rechargeable battery, 3. Easy to clean baby tray (acrylic), 4. Zero weight adjustment facility, 5. Quick, clear digital read outs, 6.

Measurement does not change with position of baby on the pan; 7. Provision to measure the height of the baby in its laying position. 8. Accuracy: 5g, resolution: 1g, limit: 10gm ~ 15kg

2.2 Settings-Auto setting to 0.00 once a the machine is switched on or when no external weight has been put on

2.3 User's interface-LCD display

2.4 Software and/or standard of communication (where ever required)-in built

3. PHYSICAL CHARACTERISTICS

3.1 Dimensions (metric)-Base: 300mm x 265mm x 85mm, Pan: 510mm x 300mm x 85mm

3.2 Weight (lbs, kg)-NA

3.3 Configuration-N.A.

3.4 Noise (in dBA)-N.A.

3.5 Heat dissipation-NA

3.6 Mobility, portability-portable

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

4.1 Power Requirements-230 V AC,

4.2 Battery operated-6V, one hour backup

4.3 Tolerance (to variations, shutdowns)-NA

4.4 Protection-NA

4.5 Power consumption-NA

4.6 Other energy supplies-NA

5. ACCESSORIES, SPARE PARTS, CONSUMABLES

5.1 Accessories (mandatory, standard, optional)-NA

5.2 Spare parts (main ones)-NA

5.3 Consumables / reagents (open, closed system)-NA

6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS

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

Operating condition: Capable of operating continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances. An ambient air velocity less than 0.3 m/s.

6.2 User's care, Cleaning, Disinfection & Sterility issues-Complete unit to be easily washed and disinfected using both alcohol and chlorine agents.

7. STANDARDS AND SAFETY

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

The Scale should be as per BIS specifications. The scale should have ISI mark ie IS: 2489 Or CE/FDA 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.

8. TRAINING AND INSTALLATION

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

8.2 Requirements for sign-off-NA

8.3 Training of staff (medical, paramedical, technicians)-NA

9. WARRANTY AND MAINTENANCE

9.1 Warranty-one year

9.2 Maintenance tasks- calibration schedule to be provided

9.3 Service contract clauses, including prices-Any Contract (AMC/MC/add-hoc) to be declared by the manufacturer

10. DOCUMENTATION

10.1 Operating manuals, service manuals, other manuals-NA

10.2 Other accompanying documents-NA

10.3 Recommendations for maintenance-Cautionary Note: Do not press the weighing pan with your hand. It could damage the load cell system in the weighing machine

10.4 Others-

11. NOTES

11.1 Service Support Contact details (Hierarchy Wise; including a toll free/landline number)-Any Contract (AMC/MC/add-hoc) to be declared by the manufacturer

11.2 Recommendations or warnings-Any Contract (AMC/MC/add-hoc) to be declared by the manufacturer

27. Instrument Sterilizer BIG

1.1 Clinical purpose -A sterilizing of surgical instruments and other items used in surgical procedure at water boiling point temperature in a closed chamber.

1.2 Used by clinical department/ward/Operation theatre etc

TECHNICAL

2. TECHNICAL CHARACTERISTICS

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

1) Should have seamless shell & lever operated Lid fitted with full proof mechanism control excessive steam escape and restricts condensate within the shell.

2) Synchronized manoeuvrability of lid, due to statistically perforated tray for flushing & entry of water.

3) SS 304/316 deep drawn seamless construction

4) Thermostatically controlled

5) Drainage plug at the bottom

6) Size ideally: 24x8x6 inch

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)- 24x8x6 inch

3.2 Weight (lbs, kg)-NA

3.3 Capacity-4.5-7.5 L

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-Recharging unit: Input voltage- 220V-240V AC, 50Hz

4.2 Battery operated-No

4.3 Tolerance (to variations, shutdowns)-NA

4.4 Protection-Should have over-charging cut-off with visual symbol.

4.5 Power consumption – 1.5 to 2KW

5. ACCESSORIES, SPARE PARTS, CONSUMABLES

5.1 Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)-NA

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/BIS approved product.

2. Manufacturer and Supplier 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)

7.2-Local and/or international-Manufacturer / supplier should have ISO 13485 certificate for quality standard.

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-1years

9.2 Maintenance tasks-

1) Maintenance manual detailing; 2) Complete maintenance schedule;

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

28. Autoclave Hp Vertical (Single Bin)

1.1 Clinical purpose

An airtight vessel for heating and sometimes agitating its contents under high steam pressure; used for industrial processing, sterilizing, and cooking with moist or dry heat at high temperatures.

1.2. used by clinical department/ward: Operation theatre

Technical

2 Technical Characteristics

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

- High Grade strong stainless steel, double walled construction.
- Positive radial self-locking safety doors.
- Hydrostatically tested to withstand 2.5 times the working pressure.
- Sealed with Neoprene/Silicon long-lasting and durable gasket.
- Digital/Analogue display for Jacket and Chamber pressure and temperature.
- Outer jacket insulated to prevent heat loss; with a high grade insulation material
- Mounted on 304 stainless steel frame with ground leveling flanges.
- Temperature and pressure cut-off device.
- Auto cut-off at low water level
- Rust-proof 304 grade stainless steel.
- Cylindrical construction.
- Equipment should have separate steam release valve and drainage system.
- Minimum of two safety valves with auto-release at 16 and 20.
- Chamber working pressure should be 1.1 to 1.2 Kg/cm² (15-18PSI) with working temperature of 1210C & 1350C
- Internal joints should be argon arc welded.
- Safety Devices: Pressure Switch, Safety valves Vacuum breaker, Low Water Level Cut –Off
- Foot operated paddle lifting device.

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: 40liter

3.4. noise (in dba):NA

3.5 Heat dissipation: NA

3.6. Mobility, portability: Portable

4 energy Source: (electricity)

4.1. Power requirements: Recharging unit: Input voltage- single

4.2 batteries operated: No

4.3 .tolerance (to variations, shutdowns) :±10%

4.4. Pressure gauge:0-2.1Kgf/cm²

4.5. Operating pressure: from 15-20 psi

4.6. Sterilizing pressure: 1.2Kgf/cm(15 psi) at 121°C

4.7. Protection: Should have over-charging cut-of with visual symbol.

4.8. Power consumption: 4-6KW

5 accessories, Spare parts, consumables

5.1.accessories (mandatory, standard, optional); Spare parts (main ones); consumables / reagents (open, closed system) :

1. Automatic Pressure Control Switch -2 no.
2. Automatic Water Cut-of Device -2 no.
3. Micro Processor PID Controller with Timer & Auto Stop Facility
4. Digital Pressure Indicator-2 no.
5. Perforate basket(rust-free stainless steel)
6. Cord-plug-4 no.
7. Biological and chemical indicators-1 set

6 environmental and Departmental considerations

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 USFDA/CE /BIS approved product.
2. Manufacturer and Supplier 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 (EMC) for electro medical equipment: 61326-1.
5. Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.
6. Pressure test certificate from a NABL lab.
7. Steel grade certificate of 304 from a NABL Lab.

7.2. Local and/or international Manufacturer / supplier should have ISO certificate for quality standard.

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- of: 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

9 Warranty and maintenance

9.1. Warranty: 3 years

9.2. Maintenance tasks

- 1) Maintenance manual detailing;
- 2) Complete maintenance schedule;

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

29.Surgical Instrument

Eligibility Criteria:

- ❖ 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 on the instrument.
- ❖ **Physical demonstration of the instrument is a must for the technically qualified bidders. (The samples shall be submitted by the technically qualified bidders)**
- ❖ Instrument should cover **5 years replacement warrantee**.
- ❖ All the instruments should be autoclavable.

- 1- Cheatle forceps-11"Double/S' curved type with serrated working surface(Quantity to be Mentioned)
- 2- Large Speculum Sims
- 3- Large Speculum Cosco, angled curvature, smooth surface with side screw.
- 4- Medium Speculum sims
- 5- Medium Speculum Cosco
- 6- Small speculum Sims
- 7- Small speculum Cosco
- 8- Sponge Holder-25cm
- 9- Viginal Wall Retractor
- 10- Allies Forceps- Allis tissue forceps medium-(Non-traumatic 12)12cm
- 11- Scissor- Mayo Scissors 18cm
- 12- Uterine Sound-12.5", Blunt tip with thumb grip, Flex curvature with graduation.
- 13- Lyres Spatula
- 14- Artery Forceps- Straight artery forceps small-12cm
- 15- S.S.Bowel
- 16- Speculum
- 17- Tongue Depressor
- 18- Nasal Preng
- 19- Speculum large
- 20- Kocher forceps: Straight Kocher's(21cm)
- 21- Feto-Scope
- 22- Thread Cutting Scissor (15cm)

30.LR INSTRUMENT SET

2. ***Episiotomy Scissor (1cm)***
3. Curved Artery forceps small(12cm)
4. 12"Spong holding Forceps (27/26cm)
5. Galipot small(6/3)/Bowel
6. Double Blade Speculum(large size)

31.Episiotomy

1. ***Episiotomy Scissor (1cm)***
2. Curved artery (Large)
3. Curved Artery forceps small(12cm)
4. 12"Spong holding Forceps (27/26cm)
5. Tooth Dissecting forceps(17cm)
6. Needle Holder of tungsten carbide curved tip (20.5cm)

TECHNICAL SPECIFICATION (PART-C)

1. Chairs for patient waiting area

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

2. 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

3. Office Chair

Mid back revolving chair seat & back made of 10-12mm thick hot pressed plywood with moulded polyurethane foam. PVC lipping all around. The back foam is designed with contoured lumbar support for extra comfort.

Dimension:

Back: Approximate size 480(W) x 700(H) x 50(T)mm (10mm=/-)

Seat: Approximate size 480(W) x 450(D) x 50(T)mm (10mm=/-)mm.

The chair should be provided arm rest made of one piece integral skin polyurethane and reinforced with M.S. insert.

The chair should have facility for adjustable tilting mechanism, lifting and moving.

The chair should be mounted on 4/5 base wheel (castor) of 50/60mm diameter and of 550-600mm pitch center dia.

Minimum load bearing capacity 120-130kg.

4. Office Table

Product Size: 1190(W) x 500(D) x 750(H) approximate with a tolerance of 10mm+/-

The frame should be made of CRCA tubular/square tubes)

Pre-Treated and Epoxy Powder coated. Should have under drawer provision with lock facility.

Manufacturer should be ISO certified.

5. 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.

6. Steel Almira / Cupboard/storage chests

- Product Size: 900 mm (W) x 480mm (D) x 1900 mm (H)Height (Approximate20mm+/-)
2. Construction & Material: Minimum 0.8 mm thick CRCA for Shelf & 0.9 mm thick CRCA for all other components.
 3. Locking: 2 way locking mechanism with shooting bolt provided chrome plated with Handle
 4. Shelving: Minimum 4noswith uniformly distributed load capacity per full shelf is 40-50 Kg maximum Finished with Epoxy Polyester Powder coated .

7. Stool for attendants

Tubular tripod based with S.S. revolving top.

- Height adjustable from approximately 460 mm to 650 mm by accurately machined screw mechanism.
- S.S foot ring supports
- Legs fitted with rubber PVC stumps..
 - Pre-treated and powder coated finish.

Clinical Material, tools and equipment

8. Tray instrument/Dressing with cover 310 x 195x63mm 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

9. 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

10. Hemoglobinometer – set Sahli type complete

Haemoglobinometer (Sahli)

The Kit consists of following standard setup:

Comparator Holder: 1 No.

Square H.B. Tube: 2 Nos.

Graduated H.B. Pipette: 1 No.

Amber coloured glass bottle with screw cap: 1 No.

Glass Stirrer : 1 No.

Dropper with teat : 1 No.

Cleaning Brush : 1 No.

All the above are fitted in thermoform tray. Further packed in cardboard box

- Manufacturer should be ISO13485 approved

Product should be BIS/CE approved

11. 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 by 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

12. Steam 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

13. 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.

14. Surgical Scissors straight 140 mm, ss

Scissors: straight ,double action blade, length of :140 mm

15. Sphygmomanometer Aneroid 300 mm with cuff

Technical Specification of BP Apparatus(Aneroid)

1. Corrosion resistant shock proof body, chrome plated metal/ stainless steel pressure control valve, scale 0-300 mm hg with accuracy of +/- 3mmHg

2. Air release at closed lap with maximum 4mmHg/Minute.

3. Manual setting of deflation possible upto 2/3mm Hg/sec. From 260mmHg To 15mm Hg in a maximum deflation time of 10 seconds.

4. Gauge's background in white colour.

5. Graduated scale for ever/ 2mmhg, every 10 units and every 20 units. 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

16. Kelly's Forceps

Kelly's hemostat Forceps straight 140 mm

17. Cheatle's Forceps with Holder

Cheatle's Forceps with SS Holder

18. Sponge holder

Sponge holding forceps

19. Plain Forceps

20. Tooth Forceps

21. Tooth Forceps

Needle holder -8inch

22. Suture needle straight -10

23. Suture needle curved

24. Kidney tray

Kidney tray,8"

25. Artery Forceps, straight, 160mm Stainless steel

26. Dressing Forceps (spring type), 160 mm, stainless steel

27. Clinical Thermometer oral & rectal

Range of temperature measurement 320C- 420 (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 ± 0.2 F.

User's interface :LCD display

Manufacturer should be ISO13485 approved

Product should be BIS/CE approved

28. 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.

- 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 $\text{-}\phi\text{-}45\text{mm}$

- 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.

Manufacturer should be ISO13485 approved

Product should be BIS/CE approved

29. 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 be able to cut and destroy the needle up to 18G.
- Should be 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

30. Suction Machine

Technical Specification

0-760 mm Hg \pm 10 regulable ,1/2 HP; single phase 1440 RPM motor, flutter free vacuum control knob

Wide mouthed 2 x 2 LITRE (Polycarbonate) with self-sealing bungs and mechanical over flow safety device.

Dimensions (metric) Max: 43 x 30 x 68 cms

Weight (lbs, kg) Max: 27Kg

Noise (in dBA) **50 dB A \pm 3**

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

31. Oxygen Administration Equipment

Oxygen Concentrator:

Flow rate: 0-5 LPM, Oxygen purity \geq 93%.

O₂ delivery pressure: minimum: 0.03 to 0.07Mpa (4.35-10.15 PSI) Atomising pellet (ml/min.) \geq 0.5, uninterrupted flow of oxygen,

Low pressure alarm, high pressure alarm and power failure alarm The unit should have inbuilt Oxygen sensing device (OSD) to monitor the purity of produced oxygen.

Unit capable for supplying oxygen to two outlets simultaneously using two independent flow meters. (0- 5LPM of each flow meter)

Should be capable of providing minimum 12 hours of continuous operation

The unit should have front panel access to reset switch

Dimensions (metric)-Max spec: 640 mm (H) x 410 mm (W) x 410 mm (D)

Weight (lbs, kg)-max 30 Kg.

Noise (in dBA)- \leq 50 db

Power Requirements-230 \pm 10% VAC, 50 Hz, 2 amps

Accessories (mandatory, standard, optional)-

Humidifier Bottles (-4nos, power cord- 1no

Consumables / reagents (open, closed system)-Nasal Cannula with extension tubing-2 nos; Gross particle cabinet filter, compressor intake filter and bacterial filter of 0.8-1.0 micron; geolite crystal.

STANDARDS AND SAFETY

The quoted model should be CE(from notified body) or US FDA approved and company should be ISO 13485 certified; and shall meet IEC 60601-1, IEC 60601-1-2 standard requirements; and comply with ISO 15001-2010

32. Measuring Tape

Flexible tape can measure round or straight objects

Marked with inches ,centimeter and meter

Tape is 1/4 inch wide by 60 inches long; made of fibre glass for strength and long life

Calibration should be as per CE/BIS standard.

Manufacturer should be ISO certified.

33. I/V Stand

Overall approx. size: height – 150cm-230 cm (with telescopic adjustable height)

Main Frame: Strong & Sturdy stainless steel tubular construction mounted on four pronged tubular/rectangular base fitted with five swivel rust proof castors of 50mm diameter.

Stainless steel rod with double hooks

All the Stainless Steel should be of 304 grade

Should be pre-treated and epoxy coated finish.

34. Artery Forceps-Curved

35. BP Apparatus (Digital)

Technical Specification of BP Apparatus(Aneroid)

Table top automatic blood pressure instrument for upper-arm measurement.

Automatic pumping action for optimum inflation

3digit LCD display with back light.

Measurement Principle: Oscilometric.

Evaluation of blood pressure in accordance with WHO.

With universal-cuff for arm circumference 22-42 cm.

With carrying case, batteries and blood pressure.

Measurement scale 0-300 mm hg with accuracy of +/- 3mmHg

Single button

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

STANDARDS AND SAFETY

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

36.

Digital Thermometer

Range of temperature measurement 32°C- 42.0 (89.6°F-109.4°F).

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 $\pm 0.1^{\circ}\text{C}$ and $\pm 0.2^{\circ}\text{F}$.

D

User's interface :LCD display
Manufacturer should be ISO13485 approved
Product should be BIS/CE approved

37. Examination Lamp

1)

Source of Light: LED light
Illumination (Ix) 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)

38. Weighing Scale Adult (Digital)

39. Oxygen Cylinder with trolley

40. 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

41. Nebulizer

Should be of Heavy duty compact Nebuliser
Heavy duty ,Compact, light weight, 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)

42. Gauze Cutting Scissors Straight

43. Kits for testing residual chlorine in drinking water

Measurement parameter: Chlorine

Sample type: drinking water, wastewater, pool and spa, industrial process water.

Method: Dip strip and comparator chart on the bottle.

Measurement range: 0 - 10 Cl₂

Pack Size:50/bottle

Manufacturer should be ISO certified.

Lab -Diagnostic Materials and Reagents for screening

44. Slide drying rack

Acrylic slide rack, inclined, used for draining/drying slides.

1. 5 slots accommodate 25 slides.

45. Specimen collection bottle(100/pack)

46. Spirit lamp

- Made of stainless steel 304 grades.
- Should have cap and wick.
- Dimension: 63.00 X 63.00mm (HxD) ±3mm
- Spirit tank capacity: minimum 100ml Spirit

Quality Standards:

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

47. Test tube holding clamp

- ✓ A pair of spring strip of hard rolled stainless steel, mounted in wooden handle
- ✓ in cross-scissor shape, and accepts tubes of diameter 12-43 mm.
- ✓ Overall length about 225mm
- ✓ **Quality Standards:**

The item should be CE certified

48. Test tube rack

- 2x 10/12 format rack
- The rack shall be able to hold 16mm/17mm tubes.
- Made of durable polypropylene (PP)/ acetal resin
- Unbreakable and resistance to chemicals
- Can be autoclaved at 121°C for 10minutes at least

Quality Standards:

The item should be CE certified

Manufacturer should be ISO 13485 Certified

49. Glass rods

- **Material:** soda-lime /borosilicate/ quartz. Resistance to acid and alkali
- **Diameter:** 10mm.
- **Length:** 10cm
- **Surface:** polished

Quality Standards:

The item should be CE certified

Manufacturer should be ISO 13485 Certified

50. Glass Slide box of 25 slides

Optically flat Glass Sheets uniform in size with ground for smooth microscopic and other lab test.

Size:76x26mm/75x25mm

Thickness 1-1.2mm

Pack Size:25/packet.10 packet contained in one pack.

All the slides should be pre-washed and polished

Quality Standards:

The item should be CE certified

Manufacturer should be ISO 13485 Certified

51. 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

52. Yellow Tips for Micropipette

Pipette tips should be designed to fit and function on a wide variety of single or multichannel pipettes. It should be manufactured from the finest grade polypropylene material for proper fit and straightness.

Packaging: Sterile wrapped racks.

Quality Standards:

The item should be CE certified

Manufacturer should be ISO 13485 Certified

53. H₂S strips test bottles for water testing

Sensitivity: 5, 10, 20, 30, 40, 50, 60 and 80 ppm (mg/L)

Test time: 30 seconds

Bottle of 50 test strips

54. Weighing Scale, Infant (10 Kg)

1. Table top, light and portable,
2. Built in rechargeable battery,
3. Easy to clean baby tray (acrylic),
4. Zero weight adjustment facility,

5. Quick, clear digital read outs with LCD display
6. Measurement does not change with position of baby on the pan;
7. Provision to measure the height of the baby in its laying position.
8. 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.

55. Weighing Scale, (baby) hanging type, 5 kg

Salter baby spring balance (with Salter Hologram): Hanging type, Zero adjustment suspension ring load lock, aluminium tubular metal casing, calibrated with capacity 5 Kg., in 100gms graduation and with colour code length scale 17.5cm, colours of scale 0 – 2 kg Red, 2 – 2.5kg. Yellow & 2.5 – 5 kg. Green. Model approved, verified and stamped by Legal Meteorology Deptt.

Weighing Sling – 1 No.

56. 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

57. Vulsellum: Vulsellum Uterine Forceps curved 25.5 cm

58. Cusco's/Graves Speculum: Cusco's/Graves Speculum vaginal bi-valve small,

59. Cusco's/Graves Speculum : Cusco's/Graves Speculum vaginal bi-valve medium

60. Cusco's/Graves Speculum : Cusco's/Graves Speculum vaginal bi-valve large

61. Sims retractor/depressor: Sims retractor/depressor

62. Sims Speculum: Sims Speculum vaginal double ended ISS Medium

63. Uterine Sound Graduated: Uterine Sound Graduated

64. Cord cutting Scissors: Cord cutting Scissors, Blunt, curved on flat, 160 mm ss

65. Episiotomy Scissors

66. Ambu Bag (Paediatric size) with Baby mask

.Manual resuscitator with transparent face-mask

2. Child models (750ml, &500ml bag capacity);

3. Standard 15/22 mm Swivel connector allows connections to all common masks Endo-tracheal Tubes;

4. Provision to give supplemented oxygen-by-oxygen reservoir providing 100% oxygen;

5. Non-re breathing valve enabling the patient to inspire oxygen from the reservoir bag.

6. Should be single hand opera table

7. Should be easy to dissemble for cleaning and disinfection

8. Should have pressure release valve at 40cm H₂O
9. Should have silicone oxygen tube 2m length.
10. It should be upto 40 times autoclavable including bag and washers.
11. The bag should be made of soft silicone material.
12. Self-Inflating Resuscitator bag should be of medical grade silicone rubber.
13. The reservoir should be a PVC bag of 600ml capacity 500ml bag capacity and 1000ml for 750ml bag capacity.

1 Accessories (mandatory):-

Silicon bellows, Non Rebreathing Valve, 2 meter oxygen tube, Guedel Airway sizes viz 0 and 1, Neonatal Mask of 3 sizes viz 00, 0 and 1

STANDARDS AND SAFETY

ISO 13485; Manufacturer / supplier should have ISO certificate for quality standard. Should be USFDA / CE (From notified body) approved product or BIS certified should meet ISO 10651-4 standard requirement

66.

Rapid Pregnancy Testing Kit

Urine Pregnancy Test: Intended of Use: One step hCG Serum/Urine Combo Rapi-Card rapid test for the qualitative detection of human chorionic gonadotropin (hCG) in serum and urine.

- Serum/Urine Combo Pregnancy Test Cassette is a rapid test that qualitatively detects the presence of hCG in serum and urine specimens at the sensitivity of 20mIU/mL. The test utilizes a combination of monoclonal and polyclonal antibodies to selectively detect elevated levels of hCG
- Result should be produced with 1minute.
- Accuracy:99%
- Sensitivity:20mIU/mL
- The test strips should have inbuilt quality control to achieve the above accuracy.

Kit Configuration

1. Urine Pregnancy Test Rapid Card
2. Disposable pipette
3. Instructions for use

Storage condition 2-30 degree

Quality Standards:

- The manufacturer should be ISO 13485 certified.
- The strips should be USFDA/CE (IVD) approved.
The strips should be DCGI approved.

67.

N/10 Hydrochloric Acid(500ml)

- N/10) Hydrochloride Solutions (HCL)
- Pack Size: 500ml
- Packed in a narrow mouth polyethylene bottle.
- Manufacturer should be ISO 13485 certified
- Product should be CE certified as per IVD directive

68. Dipsticks for urine test for protein and sugar (1 container of 25 strips)

URINE Complete rapid test reagent strips :

- Urine Reagent Strips are for in vitro diagnostic use only.
 - Indications for urine test strips:
 - Screening for prevention
 - Treatment monitoring
 - Patient self-testing
 - 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 25/50/100 sizes.
 - Urinalysis test strips types
 1. Ketones- Single test
 2. Glucose, Protein & pH- Three parameter
 3. Glucose, Protein pH, Leukocytes, Nitrites, Ketones, Bilirubin, Blood, Urobilinogen, and Specific Gravity-10 parameter
 4. Leukocytes and Nitrite-Special parameter
- Quality Standards:**
- The manufacturer should be ISO 13485 certified.
 - The strips should be USFDA/CE (IVD) approved.
 - The strips should be DCGI approved.

69. Interdental cleaning aids

70. Dental Probe

71. Flashlight/Torch Box-type pre-focused (4 cell)

72. Tongue Depressor(wooden:100/pack): Wooden specula-1 packet of 100 specula

73. Mouth Gag

74. Mouth Mirror

Angular mirror-2 pieces To provide indirect vision To retract lips, cheeks, and tongue To reflect light into the mouth. Accurate image from flat surface mirrors, image magnified with concave mirrors.

Size of 14mm -22 mm of Plane size. Stainless Steel. Fog free with Flat/round ribbed handle.

The mirror shall be made of fiber glass and the handle shall be made of stainless steel 410/420 grade

75. Tuning fork: Nickel-plated steel, material thickness 8 mm, Frequency: 128 Hz / 512 Hz

76. Nasal Speculum (St. Claire's)*

77. App and headphones for App-based Audiometry *

78. Ear Speculum – metallic, dull finish

79. Jobson-Horne probe

80. Eustachian Catheter

81. Whole Blood Finger Prick HIV Rapid Test and STI Screening Test each

Intended of Use: The assay should be able to detect antibodies of HIV1, HIV2 and all the subtypes by detection of antibodies by the agglutination/ Enzyme

Should be 3rd generation:

1. The assay should have sensitivity of 100% or more and specificity of 100% or more as per data from an identified national reference laboratory.

2. The assay should have solid phase/ particles coated with synthetic and/ or recombination or both types of antigens of HIV1 & HIV2.

3. Total procedure time should not be more than 30 minutes.

4. The manufacturers should ensure that:

d) The test kit should be packed such that there is a provision to conduct single test at a time;

e) The assay components should include HIV positive and negative serum controls sufficient for conducting 20% of the tests (10% negative and 10% positive controls); and

f) The pack size of HIV rapid test kits should be 30 tests per Kit.

➤ The manufacturer should be ISO 13485 certified.

➤ The strips should be USFDA/CE (IVD) approved.

The strips should be DCGI approved.

82. Glucometer

83. Glucometer Testing Strips

84. Snellens vision chart

85. Near vision chart

TECHNICAL SPECIFICATION (PART-C)

1. Maternity cot with electrically/manually manoeuvred with all position, with mattress with provision for lithotomy and delivery

2. Adjustable bed side table

Should be CE/BIFMA/BIS approved model

Manufacture should have ISO 9001 Certification for quality management standard, Manufacture should have ISO 14001 Certification for environmental management system, Manufacture should have BS OHSAS 18001 Certification for occupational health & safety management, Should have furnished stainless steel grade certificate from Govt./Govt. approved testing laboratory, Maintenance should produce test certificate from Govt/ Govt. approved laboratory for test produce like impact test, bend test, salt spray, chamber test, epoxy powder coating & phosphate coating for quoted item.

TECHNICAL SPECIFICATION: Table base and frame work made of strong rectangular/ square CRC tubes, Top to be made with SS Sheet of 304 grade, It should be detachable and have raised edges on all sides of 1 cm each, Height adjustment by means of Corrosion resistant side knob. Height range from approximately 840 to 1000 mm. Mounted on swived castors of non rusting castors, 50 mm diameter, Size approx: 400mm (W) x 750 mm (L), Pre-treated and epoxy powder coated finish

3. Stethoscope Adult & Paediatric

PRODUCT & MANUFACTURER QUALITY STANDARDS:

- Manufacturer should be ISO 13485 certified.
- Model should be USFDA or European CE approved product. CE certificate must be issued by notified body.

TECHNICAL SPECIFICATION:

1. Stethoscope of standard size, chromium plated metal binaural, V rubber tube in one piece and rotating piper fitting for both flip functions.
2. Double sided adult & paediatric stethoscope.
3. Extra-soft, replaceable and pivot able ear-tips for perfect sealing at the ear canal.
4. Designed with precision chest-piece made of stainless steel/ chromed brass.
5. Good quality diaphragm of maximum -Ø 45mm.
6. High quality membrane for precise acoustics with non-chill rims for improved adaptation on the skin and for excellent sound transmission.
7. Length should be 27" to 29" with colour -black.
8. The Y-tube should be made of Latex-free treated rubber.
9. Easy to dismantle, and therefore to clean and disinfect.

PHYSICAL CHARACTERISTICS

1. Dimensions (metric)- Diaphragm size as specified
2. Weight (lbs, kg)-Weight: 110-150 gm
3. Mobility, portability-Yes

ACCESSORIES, SPARE PARTS, CONSUMABLES:

1. Accessories (mandatory, standard, optional)- 1 x spare set of earpiece, 1 x spare diaphragm

4. B.P apparatus with different size Cuff

Manufacturer should be ISO 13485 certified.

Model should be USFDA or European CE approved product. CE certificate must be issued by notified body. Shock proof certificate or test report should be furnished from

the original
manufacturer.

TECHNICAL SPECIFICATION:

1. Corrosion resistant with shock proof body, chrome plated metal/ stainless steel /ABS body with pressure control valve, scale 0 to 300 mm hg with accuracy of +/- 3mmHg.
2. Air release at closed lap with maximum 4mmHg/Minute.
3. Manual setting of deflation possible upto 2/3mm Hg/sec. From 260mmHg to 15mm Hg in a maximum deflation time of 10 seconds.
4. Graduated scale for ever/ 2mmHg, every 10 units and every 20 units.
5. Nylon straps cuff with pouch, latex bulb with completely chromium plated valve with regulation of vent-hole air by screw valve.
6. Should have latex free arm cuff and should be from same manufacturer of the BP instrument.
7. User's interface-manual

PHYSICAL CHARACTERISTICS

1. Dimensions (metric)-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 to 60mm
2. Mobility, portability-Yes

ACCESSORIES, SPARE PARTS, CONSUMABLES

1. Accessories (mandatory, standard, optional)- Arm cuffs of size (Adult, Infant, Neonate) with inflation bulb and tubing (Cost of each size of cuff must be furnished

5. Thermometere

General 1. Use

- 1.1. Clinical purpose to measure body temperature
- 1.2. Used by clinical department/ ward: All

Technical

2. Technical characteristics

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

1. Range of temperature measurement 320C- 420 (89.60F-109.40F).
2. Can be calibrated in both centigrade and Fahrenheit, but if only one option is available, then Fahrenheit is preferable.
3. Buzzer signal function.
4. Takes 60-90 seconds to measure temperature.
5. Can be used in the armpit/axilla, orally and rectally.
6. Accuracy of temperature ± 0.1 degC and ± 0.2 F.

2.2. User's interface :LCD display

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

3. Physical characteristics

3.1. Dimensions (metric):NA

3.2. Weight (lbs, kg) :NA

3.3. configuration:NA

3.4. Noise (in dBa):NA

3.5. heat dissipation:NA

3.6. mobility, portability :Portable

4. energy source (electricity, Ups, solar, gas, water, cO2)

4.1. power requirements :As per device

4.2. Battery operated :yes

- 4.3.tolerance (to variations, shutdowns) :NA
- 4.4.protection :NA
- 4.5.power consumption :As per device
- 5. accessories, spare parts, consumables
 - 5.1.accessories (mandatory, standard, optional) :NA
 - 5.2.spare parts (main ones) :NA
 - 5.3.consumables / reagents (open, closed system)
- Batteries Bidding / procurement terms / Donation requirements
- 6. environmental and Departmental considerations
 - 6.1.atmosphere / ambiance (air conditioning, humidity, dust ...)
Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90%.
 - 6.2.User's care, cleaning, Disinfection & sterility issues :Complete unit to be easily washable and sterilizable using both alcohol and chlorine agents.
- 7. Standards and safety
 - 7.1 .certificates (pre-market, sanitary, ..); performance and safety standards (specific to the device type); local and/or international ISO:13485 Manufacturer
- 8. Training and installation
 - 8.1.pre-installation requirements: nature, values, quality, tolerance Supplier to perform operation checks before handover.
 - 8.2. Requirements for sign-of Certificate of inspection from the factory.
 - 8.3. Training of staff (medical, paramedical, technicians) :NA
- 9. Warranty and maintenance
 - 9.1. Warranty: One year
 - 9.2. Maintenance tasks :NA
 - 9.3.service contract clauses, including prices :NA
- 10. Documentation
 - 10.Operating manuals, service manuals, other manuals Required
- 11. Notes
 - 11.service support contact details (hierchy Wise; including a toll free/landline number)
 - 11.recommendations or warnings :NA

6. Glucometer

7. Adult Weighing mechine

1. Sturdy dial type mechanical platform weighing machine for adult and children.
2. Zero adjustment facility should be there.
3. Should have accuracy and resolution of 500gram
4. Range of weighing: 0 to120kg
5. 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 by legal metrological Deptt. In case of distributor, the bidder should have valid distributor and repair license from legal metrological Deptt., Govt. of Odisha.
6. ISO 9001 certified manufacturer (certificate to be submitted).

8. Measuring Tape

Measuring Tape

Compact tape measure is handy to have around the house or to carry in your pocket or purse for when you need to measure on the go Flexible tape can measure round or straight objects

- Shows inches on one side, centimetres on the other
- 2 inch diameter plastic case has push button retractor
- Tape is 1/4 inch wide by 60 inches long; made of fibre glass for strength and long life
- Calibration should be as per CE/BIS standard.
- Manufacturer should be ISO certified.

9. IV Stand

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

10. Foetoscope

11. Videoptioc Laryngoscope With Monitors

Should be a video laryngoscope convenient for tracheal intubation,

2. Should have a camera for live Image capturing
3. Should have LED light illumination
4. Should have color Image display facility LCD/TFT display
5. Should have provision to insert all sizes of endotracheal tube
6. Should have a provision to introduce all sizes of suction catheters
7. Should have water proof protection
8. Should be supplied with rechargeable battery and provision for re-charge
9. Should have a battery backup facility of minimum 1 hr .
10. Should have all blade sizes/adjustable for adult and paediatric laryngoscopy. If the blades are disposable, should supply 50nos. of blades compatible for both adult and paediatric along with each unit.
11. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.
12. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid

12. Intubating LMA

13. One ultrasound machine with colour doppler and Echo facility

14. One CTG Machine

15. Multipara Bed side Monitors

16. Central Monitoring system connecting all bed side monitors to monitor the vital signs of all the patients

Product Quality Standards:

Ø Should be US FDA and European CE approved model. CE certificate must be furnished by notified agency.

Ø Manufacturer should be ISO 13485 certified for quality standards.

· Should comply with IEC 60601-2-49 Medical electrical equipment - Particular requirements for the basic safety and essential performance of multifunction patient monitoring equipments.

Technical Specifications:

1. Advanced high end modular patient monitor having integrated non-invasive, invasive measurement & features suitable for neonate, paediatrics & adult patients.

2. Monitor must have bright, highly visible minimum 19 inch color TFT display with full touch screen facility.

3. Monitor must have the facility to display minimum 12 waveform or more along with related numerical parameters on single screen.

4. Should be able to monitor ECG, SpO2, NIBP, Respiration, dual temp.

5. The patient monitor also must be ready to be upgraded to connect individual or combination of atleast two parameters modules for dual & 3rd IBP, mainstream/microstream EtCO2, CO (Thermo dilution), BIS monitoring. Integration of external measuring device for any parameters shall not be accepted. All other modules for measurement of other parameters shall be interchangeable.

6. Monitor must have advanced arrhythmia detection and ST Analysis as standard feature.

7. Should have MASIMO SET or NELLCOR OXIMAX technology for measurement of pulse oximetry.

8. System must have minimum 24 hours review data including graphical and tabular trends, arrhythmia event recalls.

9. Monitor must have the time linked review function. Monitor must show the waveforms for the time when the arrhythmia occurred in case of arrhythmia recall.

10. Monitor must have facility to display 12 lead ECG through 5 lead ECG cable.

11. Monitor should have ST segment calculations.

12. Must have facility to hook up with network printer, at any point of time and able to take

print any review data (Trends, Graphs, waveform full disclosure, arrhythmia recall etc.)

13. Monitor must be able to connect to central monitoring station and should use single network for all kind of networking with the central station or other hospital information system (HIS).

14. The system should be provided with UPS for minimum 60 minutes of backup.

15. Alarm parameter shall flash red in the presence of high priority alarms (e.g. ventricular fibrillation and asystole) and flash yellow in the presence of medium or low priority alarms (e.g. noisy signal, etc.)

Modules requirement:

All parameter modules should be compatible with the quoted model of monitor and must be

supplied with required patient probe.

a) ECG, SpO2, NIBP, Respiration, Dual temp (All independent /dual/combined): 1No.each

b) Dual IBP, EtCO2: 1No.each

c) 3rd IBP: 1no.

d) Minimally invasive continuous CO monitoring: 1No.each e) BIS module: 1no.
[Price for the individual modules along with patient probe & cables should be quoted separately in the price bid (Format-B) which will be taken into price evaluation.]

Accessories to be supplied:

- a) 5 lead ECG electrode cable: 2 No. each
- b) Adult & Neonate SpO2 probe: 2 No. each (Ear lobe probes for neonate)
- c) NIBP cuffs for Adult, Infant and Neonates: 2 no each of different sizes
- d) Temp Probe: 2 Nos. (skin & oesophageal one each)
- e) IBP connection cable: 02 Nos.
- f) IBP Disposable Pressure Transducers: 10 Nos.
- g) EtCO2 sample line: 10 nos.

Power supply: 220 to 240V AC, 50Hz fitted with Indian plug of appropriate rating

CENTRAL MONITORING STATION (CMS):

1. Central Station Monitor of minimum 21" screen to be provided with one laser printer. The cabling has to be done by supplier in the ICU. One CNS should be able to connect upto 16 monitors.
2. CMS should have the facility to communicate and command any patient bed connected with wired network.
3. Should able to monitor all the waveforms of connected patient monitors.
4. Should have single screen display of minimum 08 patient monitors.
5. Should have data storage & management of patient information of minimum of minimum 48 hours with trend data.
6. Should provide the capability to enter patient demographic information at the bedside or central monitor. On – screen keyboard shall be present for entering this data.
7. Waveform zone display color must be user-configurable at any time to allow differentiation on patient waveforms.
8. CNS monitor shall support use of mouse, keyboard and barcode scanner when using remotely-accessed applications.
9. Central monitor should have the full bed review of the beds selected.
10. Should provide the required server based computer system of latest generation with suitable software & laser printer for printing patient information.
11. Should provide online UPS for minimum 2hrs power back up for server based system & CMS monitor.

Power supply:

Power input to be 220 – 240V AC, 50Hz fitted with Indian plug of appropriate rating.

17. Adult intubation kit with laryngoscope with different size blade and different size endotracheal tube

Miller blade, Sizes 0-4, Light left side

18. Baby resuscitation kit

Silicone Manual Resuscitators should be Rugged; 100% Autoclavable, Reusable, Non rebreathing valve, 360 degree swiveling patient connector, Silicone Oxygen Reservoir, 1.5 mtr. PVC Oxygen tubing.

Ø Should have three silicone manual resuscitator for infant of 200ml. to 250ml. and for adult upto 1500ml. with size 00, 0, 1, 3, 4 silicone face masks.

Ø Manual hand suction: Compact, light weight, easy to handle and operate, autoclavable polycarbonate vacuum jar.

Ø The kit should also include following additional items,

1. Folded piece of cloth (Shoulder Roll of ½ to 1 inch thickness): 3ft x 2ft.
2. Clock with second hand
3. Guedel airway set for infant to adult

19. One crash cart fully loded with BCLS medication

20. One defibrilator with TCP & AED

Should be USFDA & European CE/IEC Approved, Should have facility for: - ECG Monitoring - Defibrillation - External Pacing (transcutaneous) - Recorder, Should be of Rectilinear Biphasic Technology having energy selection upto 2-200 Joules or more, Must be capable of monitoring ECG through ECG cables, Multi function electrodes and paddles.,Should have the facility for automatic external defibrillation for both adults and pediatric patients, Should have ECG waveform display on bright high resolution display, Should be compact and portable with inbuilt rechargeable battery, Should not be more than 7 kgs with battery and paddles, Should have an inbuilt recorder printing ECG trace and stored information, Should have a facility of external non-invasive pacing with 40ms pulse width, Should have user selectable alarm settings, Should work on mains as well as on rechargeable battery, Should be supplied with Adult and inbuilt Pediatric external paddles, Charging time should be less than 7 secs at maximum energy, Should be supplied with following accessories/items. - . Battery – 1 no"s - 3-Lead ECG Cable – 1no"s - External Defibrillator paddles (pediatric inbuilt and adult) – 1 no"s - Multifunction defibrillator & monitoring pads/gel sheets – 10 no"s , 6 year Warranty, Should be USFDA & European CE/IEC Approved.

21. Portable x- Ray machine

22. Autoclaving machine for sterilization

23. Drum with instruments for uterine and vaginal packing

24. CNS Tray with troch , hammer etc

25. central oxygen supply

26. Wall mount Suction

27. X- ray view box

28. Anasthasia Apparatus

Product Quality Standards:

- Should be USFDA/European CE approved model.
- Manufacturer should be ISO 13485 certified for quality standards. CE certificate must be furnished by notified agency.

Technical Specification:

1. Construction: Trolley made by tubular rigid stainless steel
2. Capacious drawer for keeping anaesthesia kit /accessories.
3. Should have provision for attaching atleast 2 cylinders each for Oxygen and Nitrous Oxide (Total 4 Cylinder).
4. Should have Stainless Steel or PVC table Top tray.
5. Should have modified monitoring accessories tray.
6. Should have 5" Diameter Antistatic breaking castor wheel.
7. Large diameter Oxygen and nitrous oxide gauge for high visibility and clarity.
8. Complete with standard Magill's Circuit.
9. Should have Flow meter with Hypoxic guard for oxygen, nitrous oxide and double chamber circle absorber each of 1 kg.
10. Should be upgradable for attaching the temperature and flow compensated vaporizer.
11. Should have oxygen failure warning device.
12. Should ensure no nitrous oxide flow, if flow of oxygen is lower than 0.5ltr/min (nitrogen lock).
13. Should have change over mechanism with oxygen flush.
14. Should have 4 rotameter flow meter of maximum limit 10liters/min for oxygen and 12 litres/min for nitrous oxide.

CO2 Absorber:

- Should have double chambered soda lime canister with 1.0 kg capacity each for low flow operation.

- Should have visible inspiratory and expiratory valves.
- Should have adjustable pressure relief valve.
- Should have bi-stable BAG to VENT switch to change over from Manual to Mechanical ventilation.
- Should be autoclavable.

29. One transport Ventilator to shift the patient to ICU

PRODUCT & MANUFACTURER QUALITY STANDARDS:

- Should be USFDA and European CE approved model. CE certificate must be furnished by notified agency.
- Manufacturer should be ISO 13485 certified for quality standards.
- Shall comply with IEC 60601-1 standard- Particular requirements for electrical safety of the device.
- Shall comply with IEC 60601-1-2 standard Particular requirements for electromagnetic compatibility.

TECHNICAL CHARACTERISTICS

1. Mountable transport ventilator suitable for Paediatric to Adult patients.
2. Should be both main and battery operated.
3. User interface display size should be 8inch or more.
4. Non-invasive Mode of CMV, SIMV, CPAP
5. Pressure controlled - Pressure upto 30 to 35mmHg.
6. Respiration Rate upto 40.
7. Tidal volume range 50 to 1000ml.
8. FiO2 setting range between 21% to 100%. Setting 100% FiO2 should be mandatory
9. PEEP 0-20 cm of water.
10. Trigger sensitivity – Flow.
11. The associated cylinder (to be supplied along with the machines) should be such that it could be locally filled.
12. Oxygen Cylinder connector (to be supplied along with the machines) should be compatible with ventilator.
13. Audio and visual alarm for disconnection and high pressure.

2.3. User's interface Manual

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

3. PHYSICAL CHARACTERISTICS

3.1 Dimensions (metric) NA

3.2 Weight (lbs, kg) <NA

3.3 Configuration NA

3.4 Noise (in dBA), heat dissipation: Should have audio visual alarm for disconnection and high pressure.

3.5 Mobility, portability:- Yes

4. ENERGY SOURCE (ELECTRICITY, UPS, SOLAR, GAS, WATER, CO2)

4.1 Power requirements:- 220 to 240V, 50 Hz; electricity and battery driven; should be compatible with ambulance power supply system with other life saving equipments running parallel in the ambulance.

4.2. Battery operated with at least 4 hours battery backup

4.3 Tolerance (to variations, shutdowns): $\pm 10\%$ of input

4.4 Protection OVP, earth leakage protection.

4.5 Power consumption: NA

5. ACCESSORIES, SPARE PARTS, CONSUMABLES

5.1 Accessories & spares

1. Full face mask,

2. 4nos. of reusable breathing circuit of silicone material (2 for paediatric and 2 for

neonates),

3. Carry bag, ventilator connecting tubes

30. One Non-invasive ventilator

31. Warmers

PRODUCT & MANUFACTURER QUALITY STANDARDS:

- Should be USFDA or European CE approved product. CE certificate must be issued by notified body.
- Shall meet IEC-60601-1-2 Medical electrical equipment -- Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests (Or Equivalent BIS).
- Shall meet IEC 60601-2-21 Medical Electrical Equipment – Part 2-21: Particular Requirement for the basic safety and essential performance of infant radiant warmers.
- Manufacturer should be ISO 13485 certified.

TECHNICAL SPECIFICATION:

1. It should be microcontroller based radiant warmer with manual and servo options.
2. It should have facility to display skin set, skin observed temperature in degree C and heat power separately.
3. Should have user friendly touch panel control.
4. It should have ceramic or quartz infrared or calrod heater.
5. It should have audiovisual alarm facility for overheating beyond set temperature range.
6. It should have alarm facility for patient temperature less than or greater than the /required temperature i.e. above or below the set range. Machine should sense the skin probe failure and cut off the heater
7. Warmer head should be rotatable in different direction, so as to allow taking X-ray.
8. It should have alarm for probe failure, power failure, system failure and heater failure.
9. Observation light of 90 to 100 foot candles or 1000 Lux (color temperature range 3700K to 5100K) should be provided for inspection
10. Battery back-up for Power failure indication during power fail.
11. The desired temperature range from 25 to 40 degree C and settable temperature can be from 32 to 38 degreeC
12. The resolution should be 0.1 degree C and accuracy should be 0.2 °C.
13. Should have a facility to lock the keyboard to avoid unwanted user modification of the set parameters
14. The height of the warmer should be adjustable for different types of bed.
15. It should have integrated or separate bassinet trolley, bed should be tiltable with locking facility and have provision for x-ray cassette holder, Mattress should be minimum 2" thickness and foam density of 25 kg/cm³, transparent (made of polycarbonate) collapsible side walls easily detachable for cleaning. Mattress size should be minimum 20"X30"
16. Should have a Feather Touch operation with large digital display and comprehensive alarms. Control Panel should be liquid proof and allow easy and hygienic disinfection
17. Manual Mode can adjust heater Output 10 -100 %, with 10% increment, an auditory and visual alarm shall be given at least every 15 min
18. In manual mode, heater cut off / switch off, if the maximum irradiance at any point of the mattress area exceeds a total irradiance level of 10 mW/cm² (between 10 to 30 minutes)
19. Bed should be about 80 - 100 cms from the Floor and 80-90cms from the heat source.
20. Should have lockable castor wheels
21. Indicator light shall be provided to indicate that warmer is ready for normal use.
22. Markings on the bassinet and X-Ray cassette holder is mandatory to enable proper positioning of the baby while doing the X-Ray.
23. The size of the drop down sides should be such that it is 5" above the mattress surface and should be at least 6mm thick; clear and transparent.

24. If there is more than 60% heater output for 10 minutes it should cutoff with alarm
25. For the purpose of cable management there should be atleast two number of tubing ports (edges covered by silicon rings) on the side walls.
26. X-Ray cassette tray should be at least 750X350mm and should adopt upto 20 mm thick XRay cassettes.
27. The baby bed should be crevice free for ease of cleaning, infection control.
28. The mattress used should be of biocompatible material.
29. Skin temperature probe should be small in size not more than 10mm diameter and 3-4mm thick to fix the probe firmly on the infant. Baby contact material should be biocompatible as per ISO 10993 standard requirement. It should be insulated on one side and have well conducting non-rusting, non reacting metallic surface on the other side. Probe wire should be pliable, thin and soft. The attachment site of the probe with the wire should also be pliable and non-stiff.
30. Device shall not overbalance when placed in any transport position of normal use on a 10° inclined plane from the horizontal plane.
31. Transformers of device shall be protected against overheating in the event of short circuit or overload of any output winding.
32. Patient leakage current should be less than 100 µA in normal condition
33. Temperature on the baby mattress should not exceed 43 degree C when the warmer is operating under steady temperature condition
34. Temperature of HEATER GUARDS should not exceed 85 °C in normal use.
35. The Temperature differences on the mattress shall not exceed 2 °C.
36. Settings
 - a) Should have Manual mode and Baby (Servo) mode settings.
 - b) Mode of operation should be clearly displayed
 - c) In servo mode baby set temperature should be 32 to 38 degree C
37. User's interface: Manual and Servo controlled temperature regulation
38. Software and/or standard of communication: LED Display and inbuilt software; Interruption and restoration of the power supply does not change the pre-set values.

PHYSICAL CHARACTERISTICS

1. Configuration: Atleast 60 degree angle adjustment must be possible in the heat source and it should provide shielding to the infant in case of breakage of tubes/bulbs, All surfaces to be made of corrosion resistant material.
2. Noise (in dBA): Auditory alarm shall have a sound level of at least 65 dBA at a distance of 3 m from the front of the infant radiant warmer, and the sound level of the alarm shall not exceed 80 dBA on the mattress.
3. Heat dissipation: Should maintain upto 36.5 degree temp and the heat disbursed through a exhaust fan or other provisions, so that effect of UV light is not disturbed.
4. Mobility, portability: Yes, on castors (2 of the castors should have breaks; castor size can be at least 4inch).

ENERGY SOURCE:

1. Power Requirements: 220 to 240V, 50 Hz
2. Battery operated: Power failure indication during power fail
3. Tolerance (to variations, shutdowns): ± 10% of input
4. Protection: OVP, earth leakage protection

ACCESSORIES, SPARE PARTS, CONSUMABLES:

1. Accessories (mandatory, standard, optional):
 - a. Should have SS IV pole(sturdy; non rusting; medical grade stainless steel; adjustable to a max height of 6 feet from the ground level),
 - b. Monitor tray(fixed or swiveling)
 - c. Storage trays

2. Spare parts (main ones):

a. Skin temperature probes-2nos,

b. Examination lamp-2nos

3. Consumables / reagents (open, closed system):

a. Thermal reflector to fix the skin probe on baby-10nos Vaporiser (Halothane, Isoflurane, Savoflurane):

· Should be interlock mounting system to mount atleast 2 nos. of vapourisers.

· Should be of Selectatec type mounting with front control dial knob.

· Should be of Pour fill type.

· Should have glass window for level monitoring.

· Should have tool free installation and should have interlocking facility.

· Should be temperature and flow compensated with high accuracy of delivered concentration of agent, particularly at low flow.

· Should have nominal capacity of 250ml. or above volume of Anesthetic agent.

· Should be maintenance/service free for atleast 5 years.

· Should be Notified CE certified Accessories:

Ø Mox cylinder connector to the machine: 1set.

Ø Paediatric circuit: 1No. , Adult circuit: 1No.

Ø Face mask =2,3,4 size.(one of each)

Ø Rebreathing Bag 2 litre for adult and 0.5 litre for paediatric: 2nos.

Ø Endotracheal tube 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5 (cuffed) i.e. high volume with low pressure cuff and stelete.

Ø Machine should be supplied with empty Oxygen cylinder :2nos (5ltrs) and Nitrous Oxide Cylinder : 2nos (5ltrs)

Ø Additional 10ltr. empty cylinder should be supplied and The machine should have two cylinders stand with locking system attached to the machine.

33. Two movable shadowless spot lighting for procedures with adjustable arms

34. Refrigerator

35. Two Blood warmer

36. separate eclampsia box

37. Intermision compression device for DVT Prophylaxis

38. ABG Machine

39. Patograph

40. Flexible fibroscope

41. Patient controlled analgesia delivery system

42. ThrmboelastOGRAPHY

43. input/Output Chart

44. Hub cutter

Technical Specification:

- Should be light weight, 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.

45. Puncture proof container

46. Colour coded bins

47. Water Bed

48. Wheel chair

Quality Standards For All hospital Furniture

- Manufacturer should be ISO 9001 certified.
 - Should have ISO14001- for Environment friendly features.
 - Should have OSHAS 18001for occupational health safety management
 - Product must be CE/BIS/BIFMA certified.
 - Should furnish stainless steel grade certificate from Govt/Govt. approved testing laboratory.
 - Manufacture should produce test certificate from Govt/Govt. approved laboratory for test procedure like impact test, bend test, salt spray chamber test, epoxy powder coating & phosphate coating for quoted item
- Technical Specification
- Seat and back easily removable and replaceable
 - Fine and durable upholstery for seat and back
 - Nylon Handgrips and Padded arm rest
 - Polished SS construct
 - Solid tire wheels with Rear wheel locks
 - Aluminium leg rest – swing away type
 - All the Stainless Steel should be 304 grade

49. STRETCHER ON TROLLEY

- 1) Should be 2030mm (L) x 560mm (W) x 820mm (H) frame work of ERW tubular welded with vertical upright of 30mm OD x 18G ERW tubes.
- 2) Should be reinforced at bottom with 35mm OD x 18G tube for fitting 200mm dia swivels castors wheels, all without brake.
- 3) All horizontal stays shall be of 25mm OD x 18G tube.
- 4) Stretcher should be made of 18G aluminium painted sheet dished in the middle & supported horizontally on 25mm OD x 14 G tubes. Three additional 31 x 6mm flat supports should be welded to support aluminium sheet top from underneath width wise.
- 5) Pushing handle at both ends shall be made of 25mm x 18G MS ERW tube covered with PVC sleeving.
- 6) Four stump legs of 25mm x 14G ERW tube shall be welded at the bottom of the stretcher frame.
- 7) Should be provided with PVC or synthetic material having Nylon reinforced.

50. OXYGEN CYLINDER TROLLEY

- 1) Frame of the cylinder trolley is made with hi-grade MS tubular steel.
- 2) Framework of the cylinder trolley mounted on two 10cm wheels.
- 3) Finish in epoxy powder coated.
- 4) For small (40cft) Oxygen Cylinder.
- 5) Mounted on 100 / 150 mm diameter castor for mobility.
- 6) Pre-treated and Epoxy Powder Coating for Scratch proof Finish.

**Requirement for Supply & Installation of Oxygen Pipe line 5 Bedded ICU/ICCU/PIPCU/SICU/OT of
DHH, KEONJHAR**

Plant Room

<i>Sl No.</i>	<i>Item</i>	<i>Amount</i>
1	MVAC System duplex entire with associated devices	1 Unit
2	MA4 system Duplex entire with associated devices	1 Unit
3	Primary Oxygen Manifold 2x10 complete with header and NRVs and fully automatic control panel	1 Unit
4	Emergency Oxygen Manifold (2x5) complete with header NRVs and isolation valve.	1 Unit
5	42 mm Isolation Valve	As per actual
6	35 mm isolation valve	As per actual
7	28 mm Isolation Valve	As per actual
8	22 mm Isolation Valve	As per actual
9	15 mm Isolation Valve	As per actual
10	Gas Service Valve Box (O2, air & vacuum)	As per actual
11	Gas Service Alarm audio & visual (O2, air & vacuum)	As per actual

ICU (5 bedded)

<i>Sl No.</i>	<i>Item</i>	<i>Amount</i>
1	42 mm copper pipe (vacuum)	To be measured
2	35 mm copper pipe (suction)	To be measured
3	28 mm copper pipe	To be measured
4	22 mm copper pipe	To be measured
5	15 mm copper pipe	To be measured
6	12 mm copper pipe	To be measured
7	12 mm isolation valve	As per actual
8	Oxygen outlet	50 (2 for each bed)
9	O2 Flow meter	50 (2 for each bed)
10	Vacuum outlet	30 (each bed)
11	Vacuum units	30 (each bed)
12	Compressed air outlet	30 (each bed)
13	Gas service Valve Box (O2, air & vacuum)	As per actual
14	Gas service Alarm audio & visual (O2, air & vacuum)	As per actual

NICU & PICU (5 bedded each)

<i>Sl No.</i>	<i>Item</i>	<i>Amount</i>
1	42 mm copper pipe (vacuum)	To be measured
2	35 mm copper pipe (suction)	To be measured
3	28 mm copper pipe	To be measured
4	22 mm copper pipe	To be measured
5	15 mm copper pipe	To be measured
6	12 mm copper pipe	To be measured
7	12 mm isolation valve	As per actual
8	Oxygen outlet	10 (2 for each bed)
9	O2 Flow meter	10 (2 for each bed)
10	Vacuum outlet	5 (each bed)
11	Vacuum units	5 (each bed)
12	Compressed air outlet	5 (each bed)
13	Gas service Valve Box (O2, air & vacuum)	As per actual
14	Gas service Alarm audio & visual (O2, air & vacuum)	As per actual

SECTION –VI

ANNEXURES

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

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

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

Please put in the respective box

COVER – A (TECHNICAL BID)

DOCUMENTS : SUBMITTED OR NOT

- | | | | | | |
|--|-------------|--------------------------|-----|--------------------------|--------------------------|
| 1. List of Item (s) – Annexure II | Page
No | <input type="checkbox"/> | Yes | No | |
| 2. Tender document Fee | Page
No | <input type="checkbox"/> | Yes | No | <input type="checkbox"/> |
| 3. Earnest Money Deposit | Page
No. | <input type="checkbox"/> | Yes | No | <input type="checkbox"/> |
| 4. Details of Manufacturing Unit / contract person
Liaisoning agent / servicing centre (Annexure III) | Page
No | <input type="checkbox"/> | Yes | No | <input type="checkbox"/> |
| 5. Declaration form (Annexure -IV) signed
by the Tenderer & affidavit before
Notary Public / Executive Magistrate | Page
No. | <input type="checkbox"/> | Yes | No | <input type="checkbox"/> |
| 6. Manufacturer’s Authorization Format
(Annexure – V)(for distributor/Importer)
No.
(Item wise) | Page | <input type="checkbox"/> | Yes | No | <input type="checkbox"/> |
| 7. Proof of avg. Annual turnover
for preceding 3 financial years (for manufacturer /
Importer) / Proof of Annual turnover for preceeding 3 financial years for
authorized distributor as well as manufacturer/Importer (in case of
distributor) (Annexure - VI) | Page
No. | <input type="checkbox"/> | Yes | No | <input type="checkbox"/> |
| 8. Performance Statement (<i>Item wise</i>)
during the last three years (Annexure -VII) | Page
No. | <input type="checkbox"/> | Yes | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Copies of Purchase order (<i>Item wise</i>)
in support of the performance statement | Page
No. | <input type="checkbox"/> | Yes | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Deviation/No deviation Statement (<i>Item wise</i>)
& details of technical specification (Annexure -
VIII A & B) | Page
No | <input type="checkbox"/> | Yes | <input type="checkbox"/> | <input type="checkbox"/> |

- | | | | |
|---|----------|--------|-----|
| 11. Leaflets/Technical Brocheures of the Products offered (Item wise) | Page No. | Yes | No. |
| 12. Copy of Import license (In case of Importer) | Page No. | Yes No | |
| 13. Copy of Valid ISO Certificate | Page No. | Yes No | |
| 14. Attested Photocopy of Up-to-date CE / US FDA/BIS Certificate (Item wise)
(As per technical specification) | Page No. | Yes No | |
| 15. Attested Photocopy of Up-to-date IEC Certificate (Item wise)
(As per technical specification) | Page No. | Yes No | |
| 16. Photocopy of PAN | Page No. | Yes | No |
| 17. Photocopy of GST clrance certificate | Page No. | Yes | No |
| 18. Copy of original Tender and schedules. duly signed by the Tenderer | Page No. | Yes | No |

ANNEXURE – III

(Refer Clause No. 3.5)

(To be submitted in **Cover A -Technical Bid**)**DETAILS OF THE TENDERER & LOCAL CONTACT PERSON/ SERVICE CENTRE**

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

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

(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 _____, Odisha for the supply of
medical equipments. 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 declare I/We have not been de-recognised / black listed by any
State Govt. / Union Territory / Govt. of India / Govt. Organization / Govt. Health
Institutions for supply of Not of Standard Quality items / non-supply.

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

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

Signature of the bidder :

Seal

Date :

Name & Address of the Firm:

Affidavit before Executive Magistrate / Notary Public.

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

To

_____.

Ref: Tender No. _____ Dated _____ for _____. Dear

Sir,

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

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

Yours faithfully,

(Signature with date, name and designation)

For and on behalf of Messrs _____
(Name & address of the manufacturers)

Seal

Note :

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

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

ANNEXURE – VI

(Refer Clause No. 3.8)

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

ANNUAL TURN OVER STATEMENT

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

Sl.No.	Year	Turnover in (Rs.)
1.	2014-2015	-
2.	2015-2016	-
3.	2016-2017	-

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

Date:

Signature of Auditor/

Place:

Chartered Accountant

(Name in Capital)

Seal

Membership No.-

Registration No. of Firm

Note:

- a) To be issued in the **letter head** of the Auditor/Chartered Accountant mentioning the Membership no.
- b) **Separate certificates** should be furnished for **different manufacturer/importer** in case the bidder (authorized distributor) is quoting products of **different manufacturers/importers**. The authorized distributor has also to furnish his turnover statement in the above format.

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

Annexure VII (Refer Clause no. 3.9)

PROFORMA FOR PERFORMANCE STATEMENT

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

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

Tender Reference No. : _____
Name of Tenderer : _____
Name of Manufacturer : _____ Name of the Item : _____

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

Signature and seal of the Tenderer

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

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

Annexure VIII A
(Refer Clause No. 3.10)

STATEMENT REGARDING DEVIATIONS FROM TECHNICAL SPECIFICATIONS (IF ANY)

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

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

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

Signature of the Bidder

Name :

Date :

Place :

Seal

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

Annexure VIII B
(Refer Clause No. 3.10)

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

Sl. No.	Item Name	Make	Model	Detail Specification of the product(s) offered* (Pl. Describe the detail specification of the product offered) – Para wise compliance to the technical specification asked for.	**Page no. of the Catalogue / Leaflet where Para wise compliance information as per technical specification is available
1					
2					
..					
..					

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

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

Signature of the Bidder

Name :

Date :

Place :

Seal

ANNEXURE IX

(To be submitted in COVER B - PRICE BID)

[Note : Price schedule should be submitted in separate sheets for **each item(s)** quoted and **sealed in separate envelops**. Each envelop should be superscribed with the *Item Name* & all the envelops should be sealed in a outer Cover envelop superscribed as **Cover B - Price Bid**]

List of Enclosures to be submitted in Price Bid :

- 1) Price schedule format duly filled in and signed by the authorized signatory with company seal
- 2) Price schedule for each item sealed in separate envelops superscribed with Item Name
- 3) Photocopy of GST Clearance Certificate.

To be submitted in Cover B – Price Bid

ANNEXURE-IX

(Refer Clause No. 4.1 & 8.16)

FORMAT - PRICE SCHEDULE

:

Name of the Item (s) (Items mentioned in the schedule of requirement)	Make & Model	Unit Price with all accessories which includes all taxes / transportation (door delivery) with 2 (two) years <u>onsite warranty</u> Cost in Rs. (both in words & figures)	CMC (excluding Service Tax) for three years after expiry of two years warranty period (please mention on yearly basis)	**Cost of Turnkey if any (all accessories for installation & commissioning including all taxes for turnkey in Rs. (Door delivery & installation)	*Total Cost of the Item (Unit Price with CMC & Turnkey if any)		
(1)	(2)	(3)	(4)	(5)	6=3+4+5	7	8
			1 st year after warranty: 2 nd year after warranty: 3 rd year after warranty: Total :				

Price of each item (s) quoted should be mentioned separately in separate sheet & should be sealed in separate envelopes

**** The cost of turnkey shall only be quoted if any specific accessories/equipment is required for installation & commissioning. In case of turnkey, the details of accessories/equipment are to be mentioned.**

Date :

Place :

Signature of the Bidder:

Name :

Seal

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

ANNEXURES

(Agreement, Warranty and CMC Undertaking to be submitted at the time of award of contract)

AGREEMENT

THIS AGREEMENT IS MADE AT _____ THIS THE DAY OF _____ 20

BETWEEN

Name of the Supplier
with full address

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

AND

The CDM&PHO,
, KEONJHAR

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>Qty</u>	<u>Price</u>	<u>Total</u>
-----------------------------	------------	--------------	--------------

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

1. Insurance
 2. Freight
 3. Transportation
 4. Customs duty / Excise duty
 5. Charges for documents, instructions manual, tools
 6. F.O.R. at the destinations mentioned in the consignee list
 7. Training to doctors & technicians.
-

8. Maintenance of the system includes all accessories supplied and their spare parts required during comprehensive warranty period of three 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.

SUPPLY

The supply should be completed within 45 days from the date of issue of purchase order unless otherwise specified. If no supply is received even after 45 days or 8 days with liquidated damage from the date of issue of the purchase orders such orders will stand cancelled automatically without further notice. Penalties shall also thereafter be applied to the tenderer as specified under Penalty. The approved firm shall also suffer forfeiture of the EMD and Performance Security Deposit.

LIQUIDATED DAMAGE :

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

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

TERMS FOR PAYMENT :-

A. The payment(s) shall be made by purchaser in Indian currencies. No advance payments towards cost of Instruments and Equipments etc. will be made to the tenderer. No payment will be made to the supplier if he has not deposited the unconditional performance security in shape of **Bank draft** amounting to 10% of the purchase order value which will be deposited with the O/o of the concerned CDMO of the district.

90% of the cost of the equipment (excluding CMC Cost)+100% turnkey +100% tax shall be released to the supplier on receipt of stock entry certificate and installation certificate (that it is working) 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 (10% of P.O. Value). For this purpose the supplier will submit two bills, one 90% of the cost of the equipment+100% turnkey +100% tax and the other for the remaining ten percent (10%) of the cost of the equipment.

B. Before release of payment the supplier has to submit the signed agreement, warranty documents of equipment and turnkey job to the consignee. The undertaking as per Annexure – XI & XII will also be submitted to the consignee with photocopies to the purchaser.

C. The payment of CMC will be made on six monthly basis after expiry of the warranty period and signing of the CMC agreement.

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 3 years comprehensive warranty period.

INSTALLATION AND DEMONSTRATION :

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

TRAINING :

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

INCIDENTAL SERVICES :

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

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

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

Performance or supervision or maintenance and / or repair of the supplied Goods, for a period of three (3) years i.e. the warranty period, provided that this service shall not relieve the Supplier of any warranty obligations under this contract.

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

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

The price of the instruments / equipments is inclusive of warranty for a period of 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 authorised signatories for the execution at appropriate time (Annexure – X & XI).

SPARE PARTS :

The supplier will provide all the spare parts, repairing & maintenance by its trained personnel after the warranty period (2 years) during the CMC period.

COMPREHENSIVE WARRANTY :

This warranty shall remain valid for three (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 CDM&PHO/Directors) 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:

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

TERMS OF CONTRACT :

The CDM&PHO, KEONJHAR will be at liberty to terminate the contract either wholly or in part without assigning any reason. The tenderers will not be 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 CDM&PHO, KEONJHAR 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 CDM&PHO, KEONJHAR 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 CDM&PHO, KEONJHAR and the tenderer shall be liable for all losses sustained by the CDM&PHO, KEONJHAR in consequence of the termination which may

be recovered from the Security Deposit made by the tenderer or other money due or become due to him.

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

ARBITRATIONS :

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

CHANGE OF TERMS AND CONDITIONS :

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

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

Executed by Purchaser (s) / Consignee

Executed by Supplier(s)

In presence of (Witness)

In presence of (Witness)

(Refer Clause No. 11.1 to 11.6, 13.1)

**WARRANTY / GUARANTEE /CMC UNDERTAKING (to be
submitted on Rs.50/- stamp paper)**

Tender ref. No. _____

Name of the

equipment: Date of

Installation: Name of

the Consignee: Name of

the purchaser:

I / we / M/s _____

hereby declare that

- i. I / we do Accept / Agree for the warranty / guarantee (2 years Warranty followed by 3 years CMC (Spares + Labour) as per this tender clause No. 11.1 to 11.6.
- 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 2 year comprehensive warranty is valid from dt. _____ to dt. _____. v.
The 3 year CMC is valid from dt. _____ to dt. _____.

Date:

Signature of the competent authority

Place:

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

(Refer Clause No. 11.1 to 11.6 & 13.1)

UNDERTAKING

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

Tender ref. No. _____

Name of the

equipment: Date of

Installation: Name of

the Consignee:

Name of the purchaser:

Sir,

I / we _____ Hereby

declare that

1. I / we am / are the manufacturers / authorized agents / distributors _____
of

_____.

2. I / we do accept / agree for the all clauses including the warranty 2 years 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 2 years warranty period.

Signature of the witness
Name & address

Signature of the Tenderer
Name & address

Seal of the firm.

Dated

- 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 to the purchaser before release of payment.


CDM & PHO
Keonjhar