CHIFF DISTRICT MEDICAL & PUBLIC OFFICER, MALKANGIRI

No. 10053 /XIV-P (D&C)-16/2019 dated, Malkangiri the 11TH NOV, 2019

TENDER CALL NOTICE

Sealed Tenders are invited from the Registered Suppliers/ Distributor/ Firms for supply of MEDICAL EQUIPMENTS FOR MALKANGIRI DISTRICT (UNDER SCA SCHEMES) (The rate of tender will be valid for One year or till inviting of next tender whichever is earlier)**.The Tender papers in details along with the term and condition of tender are available** THROUGH DISTRICT WEBSITE www.malkangiri.nic.in. **Bidders can download the tender papers from the website and such bidders have to enclose a non-refundable STATE BANK OF INDIA demand draft of Rs.5000/- (Rupees Five Thousand) Only in** favour **of Chief District Medical & Public Health Officer, Malkangiri payable at SBI, Malkangiri with BID document and subscribe the BID document that it has been downloaded from the website. The sealed tender should reach to the undersigned on or before 03.12.2019 up to 05.00 PM through Regd. Post/ Speed Post only.**

The Technical Bid of tender paper will be opened 04.12.2019 at 11.00 AM in the presence of tenderer or their authorised representative by the Chairman of Purchase Committee.

Sd/-A.Ku.Baitharu
Chief District Medical & Public Health Officer,
Malkangiri

CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER-MALKANAGIRI

Tel: 06861-230277 Fax: 06861-230569
e-mail : cdmomkg@gmail.com

Tender Reference No. XIV-P(D&C)-16/2019.10053 Dt.11.11.2019

TENDER DOCUMENT FOR

SUPPLY & INSTALLATION OF MEDICAL EQUIPMENTS FOR MALKANGIRI DISTRICT (UNDER SCA SCHEMES)

SECTION -I

NOTICE INVITING TENDER

Tender Reference No. XIV.P (D&C)-16/2019-10053 Dt. 11.11.2019

TENDERS ARE INVITED FROM ELIGIBLE **BIDDERS AS PER THE ELIGIBILITY CRITERIA FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT.**

1	Period of Availability of Tender Document	From **14.11.2019 to 02.12.2019.** (Downloadable from website: **www.cdmomkg@gmail.com**) In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same from the above mentioned website before last date of submission of tender document and the tender inviting authority shall have no responsibility for any delay / omission on part of the bidder.
2	Date, time & place of Pre-bid meeting	Date : **22.11.2019**, Time : **11.00 AM** Place : **OFFICE CHAMBER OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, MALKANGIRI**
3	Last date & time for Receipt of Tender	**Date: 03.12.2019 Time: 05.00 PM** **Address of Submission of Bid:** **OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER,** **AT-MALKANGIRI. PO-MALKANGIRI, DIST-MALKANGIRI, ODISHA, PIN-764048, 06861-230277.** ***(Through Speed post / Registered post / Courier)***
4	Date, time and place of opening of Tender	**a) Technical Bid (Cover A) opening Dt.04.12.2019 at 11.00 AM at the address mentioned above.** **b) Financial Bid (Cover B):** *The date of opening of financial bid will be intimated to the firms found successful in the technical bid evaluation.* ***(Venue is mentioned at the address* mentioned *above)*** **(*Bidders / authorized representative may remain present at the time of opening of bid)***

SECTION -II

IMPORTANT INSTRUCTIONS TO BE NOTED CAREFULLY BY THE TENDERERS

<table>
<tr><td>1.</td><td>Mode of Procurement</td><td>Through Open Advertisement</td></tr>
<tr><td>2.</td><td>Purchaser</td><td>Chief District Medical & Public Health Officer, MALKANAGIRI</td></tr>
<tr><td>3.</td><td>Consignee</td><td>DHH-MALKANAGIRI</td></tr>
<tr><td>4.</td><td>Delivery Period</td><td>Within 60 days from issue of the purchase order.</td></tr>
<tr><td>5.</td><td>Mode of Delivery</td><td>By Air / Road / Rail</td></tr>
<tr><td>6.</td><td>Guarantee / Warranty /CMC</td><td><u>Comprehensive warranty</u> including all spares, maintenance etc. for a period 3(three) years from the date of installation & commissioning and 3(three) years CMC after warranty period.</td></tr>
<tr><td>7.</td><td>Tender Document Cost</td><td>Rs.5, 000/- (Rupees Five Thousand) Only.The tender document cost is to be submitted in the shape of STATE BANK OF INIDA demand draft in favour of CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, MALKANAGIRI from any Nationalised / Scheduled Bank payable at STATE BANK OF INIDA, MALKANGIRI.</td></tr>
<tr><td>8.</td><td>Earnest Money Deposit (EMD)

(The approx. no. of equipment is mentioned in the Schedule of requirement – Section IV)</td><td>
<table>
<tr><th>Sl.</th><th>Name of Equipment</th><th>EMD (Rs.)</th></tr>
<tr><td>1</td><td>Ultrasound Colour Doppler</td><td>25000</td></tr>
<tr><td>2</td><td>X-Ray Machine 300 MA with CRT</td><td>15000</td></tr>
<tr><td>3</td><td>Fully Automatic Bio Medical Analyser</td><td>20000</td></tr>
<tr><td>4</td><td>High Pressure Liquid Chromatography (HPLC) (Electro Phoresis)</td><td>18000</td></tr>
<tr><td>5</td><td>Electro Analyser</td><td>2000</td></tr>
<tr><td>6</td><td>Syringe Pump</td><td>5000</td></tr>
<tr><td>7</td><td>Infusion Pump</td><td>5000</td></tr>
</table>
Note: The bidder may quote for any or all the equipment by submitting the required EMD for that equipment.
The Earnest Money Deposit will be paid in the shape of State Bank of India Demand Draft only in favour Chief District Medical & Public Health Officer, MALKANAGIRI payable at STATE BANK OF INDIA, MALKANAGIRI.
EMD exemption is not permitted except to local SSI units registered in Odisha only as mentioned in Section – III Clause 23.5</td></tr>
<tr><td>9.</td><td>Performance Security</td><td>The selected firm should submit the performance security in shape of State of Bank of India Demand Draft 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 & the same will be returned back after completion of warranty period</td></tr>
<tr><td>10.</td><td>Pre-qualification (Eligibility Criteria)</td><td>Detail eligibility criteria is mentioned at Clause 2.1, 2.2 & 2.3 in Section -III</td></tr>
</table>

SECTION -III

TERMS AND CONDITIONS FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENTS

1.1 Sealed tenders will be received till **0312.2019 up to 05.00 PM** by the office of the **CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, MALKANGIRI**. 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 Pre-bid conference shall be held in the **OFFICE CHAMBER OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, MALKANGIRI** on Dt.**22.11.2019** at **11.00 AM.** The prospective bidders may attend and clarify any doubts on the terms and conditions of the bid document.

1.3 The bidder(s) are to submit their tenders in **separate** sealed covered envelops for **technical bid** and **commercial bid** by super scribing **Cover "A" (Technical Bid)** & **Cover "B" (Price Bid)** and both the sealed covers should be put into a **third outer Cover**, which should be super scribed as **"Tender for supply & installation of MEDICAL EQUIPMENTS"** & **Tender Reference No. _____.**

1.4 The Sealed tenders "Cover A" (Technical Bid) submitted by the tenderers will be opened at the office of the **CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, MALKANGIRI** at **11.00 AM** on **04.12.2019**. The tenderer or their duly authorized representatives are allowed to be present during the opening of the tenders if they so like.

ELIGIBILITY CRITERIA

2.1 Manufacturing units / Importers are eligible to participate in the tender provided, they fulfill the following conditions:

(i) Import License (In case of Importer only). In case of importers, they have to furnish the authorization from the manufacturer.

(ii) Valid ISO certificate (of the Manufacturer)

(iii) Product must be ISI/BIS /CE & US FDA etc. (valid ISI/BIS /CE & US FDA certificate) certified (As per **Section VI** - technical specification**)**.

(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 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. (As per format Annexure VII –(Item wise)

(v) Proof of annual average turnover (Manufacturers/Importer) of Rs.1 Crore **or more** in the last three (3) financial years 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) They 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 **Rs.50 Lakhs or more** in last three (3) financial years as per Annexure VI. In addition to this, the distributor shall also submit the average annual turnover of the **manufacturer/importer** of the item(s) as mentioned in 2.1 (v) above

(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.

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

DOCUMENTS TO BE SUBMITTED

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

All the photocopies are to be attested by a Notary Public / Gazetted Officer.

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.5, 000/-** in shape of **STATE BANK OF INDIA DEMAND DRAFT.**

3.4 Earnest Money Deposit(s) as mentioned in the **Clause 8 of Section -II** in shape of **State Bank of India, Demand Draft**). 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) **OR** annual

average turnover of Rs.50 Lakhs or more in the last 3 (three) financial years for bidders who are authorized distributors of the manufacturer). The authorized distributor shall **also** submit the annual average turnover of the Manufacturer/importer along with his own turnover.

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 **GST** 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 center in Odisha within one month from the date of installation if approved (for those who have no service centers in Odisha).

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

COVER – B (PRICE BID)

4. The price to be quoted for medical equipments should be sent in the prescribed price format in a separate sealed cover hereafter called **Cover "B" (Price Bid).**

Cover –B (Price Bid) of the tenderers who qualify in it's Technical Bid (Cover – A) and complies to tender specification & 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 excise duty, insurance, packing, forwarding, freight (door delivery) and warranty for 3 years. The price of CMC for 3 years, turnkey job (accessories if any for installation), GST (if any) should be quoted in a separate column. The rate should be quoted for ***each item*** both in figures and words. **In case of difference in words and figures, words will be taken into consideration for evaluation.**

4.2 The Cover "B" of tenderers who qualifies in their technical bid, will only be opened at the office of **CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER- MALKANAGIRI** date & time which will be intimated to them by **C.D.M & P.H.O- MALKANAGIRI.**

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) Earnest Money Deposit (EMD) in favour of **Chief District Medical & Public Health Officer, Malkangiri** payable at **SBI, Malkangiri** only.

(iv) Annual average turnover of the firm is Rs.1 Crore or more in last 3 financial years (for bidders who are manufacturer/importer) **OR** annual average turnover of Rs.50 Lakhs or more in the last 3 (three) financial years (for bidders who are authorized distributors of the manufacturer). 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).

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 **State Bank of India demand Draft only** in favour of **CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, MALKANAGIRI** from any Nationalized / Scheduled Bank payable at **STATE BANK OF INDIA, MALKANAGIRI**

6.2 The EMD of the unsuccessful tenderers will be returned back without interest after placement of purchase order to the successful tenderer and EMD of successful tenderer will be returned after submission of performance security(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 **State Bank of India Demand Bank Draft** from a Nationalised / Scheduled Bank in favour of **CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, MALKANAGIRI** 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. three years after the date of installation & signing of the CMC agreement.

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

TENDER CONDITIONS :

8.1 The details of the medical equipments with specifications are mentioned in **Section VI. The firm must clearly mention their specification, special features, upgraded version (if any), detail technical catalogue of the offered model in their tender.**

8.2 Tenders should be typewritten or computerized and every correction in the tender should invariably be attested with signature by the tenderer with date before submission, failing which the tender will be ineligible for further consideration.

8.3 Rates inclusive of excise duty / customs duty, packing, forwarding, insurance, transportation charges with 3 years onsite comprehensive warranty and exclusive of **GST** as applicable 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 &*** **GST** ***should be mentioned in separate columns***. The rates quoted should be in **Indian Rupees only**. Rates quoted in any other currency will not be accepted.

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 / DGS&D and the Maximum Retail Price (MRP). The purchaser, at his discretion, will in such case, exercise the right of revising the price at any stage so as to confirm to the controlled price or MRP as the case may be 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. Either **GST** (as applicable) will be paid to the supplier. In case of Entry Tax, the supplier has to deposit the original receipt to claim it, if finished goods are brought from outside the State. The Sales Tax & entry tax components should be shown **separately** in the Price Schedule.

8.17 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 **3 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 traveling allowances or transportation cost will be paid by the purchaser during the warranty period.

11.3 The Supplier shall warrant that the Goods supplied under this contract are new, unused, of the most recent or current models and they incorporate all recent improvements in design and materials. The Supplier shall further warrant that all Goods supplied under this contract shall have no defect arising from design, materials or workmanship or from any act or omission of the Supplier that may

develop under normal use of the supplied Goods in the conditions prevailing in the place of final destination.

11.4 **CMC**: The tenderer shall also commit to provide offer for CMC (**Labour + all spare**) for the next three (3) years after three (3) 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.

TRANINING & 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 3 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 **THREE YEARS** after installation. If accessories / other attachment of the system are procured from the third party, then the supplier must produce cost of the accessory / other attachment and the

CMC from the third party separately along with the main offer and the third party will have to sign the CMC with the purchaser if required.

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

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

SPARE PARTS:

15.1 The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warrantee period should be attached / enclosed along with the sealed quotation.

15.2 The tenderers are required to furnish the list of spares along with their cost in the financial Bid separately which will not be taken for evaluation.

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

LABELLING :

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

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 60 days** from the date of issue of purchase order unless otherwise specified. If no supply is received even after days or 88 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 t*he 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 the excise duty / customs duty, transportation, insurance, packing & forwarding & comprehensive warranty for three (3) years, cost of turnkey (cost of accessories if any for installation/commissioning) & CMC for for next three(3) years but excluding GST.

b) The cost of the medical equipments (excise duty / customs duty, transportation, insurance, packing & forwarding & comprehensive warranty for three (3) years but excluding GST), cost of turnkey (cost of accessories if any for Installation & Commissioning with all taxes for turnkeys) & cost of CMC for next three(3) years after warranty will be added for evaluation.

c) The circulars issued by the Finance Department, Govt. of Odisha from time to time regarding tax matters shall be taken into account for

evaluation and shall be binding on the bidders. As per the Govt. of Odisha Finance Deptt. Order No. 48317(230)/F dt.23.11.2010, in comparing the cost of an article, if purchased from within the State with the price of similar article if purchased from outside the State, the amount of Odisha Sales Tax (OST) now GST shall be deducted from the total cost since it accrues back as revenue to the State. If after such deduction, the cost of articles to be purchased within the State is not more than the cost of including Central Sales Tax, transport and other charges of similar articles from outside the State, it would be economical to purchase articles within the State.

LIQUIDATED DAMAGE :

19.1 The C.D.M.O may allow extension for a maximum period of 4 (four) weeks (28 days), after the stipulated date of supply (i.e. 60 days) with a penalty of 0.5% which will be deducted from the purchase order value as "Liquidated Damage", for each week (7 days) 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. 88 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 they have not deposited the same before. Payment will only be made after ensuring signing of

the Agreement, undertaking and handing over of warranty papers of equipment and turnkey jobs by the supplier to the purchaser.

20.4 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 despatched 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.

CONDITIONS APPLICABLE TO LOCAL MSEs / SSIs OF ODISHA:

The MSE / SSI Units of the State of Odisha will be given the following preferences in the tenders provided they produce the following documents as per MSME Development Policy-2009 and IRP - 2007:

23.1 Attested copy of valid manufacturing licence.

23.2 P.M.T Certificate from the Director of Industries, Odisha or General Manager District Industries Centre that it is a MSE / SSI Units of the State of Odisha, provided that MSE / SSI units has not been derecognised by the Govt. for that specified period.

23.3 Local Micro & Small Scale Enterprises (MSE) and Khadi & Village industrial units including handloom and handicrafts will enjoy a price preference of 10% vis-à-vis over local medium and large industries as well as industries outside the State. Local Micro & Small Scale Enterprises having ISO, ISI Certification for their product shall get an additional price preference of 3% as per provision of IPR-2007.

23.5 Local MSEs registered with respective DICs, Khadi, Village, Cottage and Handicraft Industries, OSIC, NSIC shall be exempted from payment of earnest money and shall pay 25% of the prescribed performance security deposit.

23.6 Clause number 1 to 22 is also applicable to the Small Scale Industry Units of the State of Odisha.

SECTION –IV

SCHEDULE OF REQUIREMENT

Sl.	Name of Equipment	Quantity	Palce OF Supply/Installation	Time for Installation
1	**Ultrasound Colour Doppler with Echocardiography**	1 No.	**DHH, Malkangiri**	60 days
2	**X-Ray Machine 300 MA with CRT**	1 No.	**25 Bedded Hospial, MV-79, Dist-Malkangiri**	60 days
3	**Fully automatic Bio Medical Analyser**	1 No.	**DHH, Malkangiri**	60 days
4	**High Pressure Liquid Chromatography (HPLC)(Electro Phorosis)**	1 No.	**DHH, Malkangiri**	60 days
5	**Electro Analyser**	1 No.	**DHH, Malkangiri**	60 Days
6	**Syringe Pump**	20 Nos	**DHH, Malkangiri**	60 Days
7	**Infusion Pump**	20 Nos	**DHH, Malkangiri**	60 Days

SECTION –V
TECHNICAL SPECIFICATION

Technical Specification of (1) *Colour Doppler with Echocardiography*

GMDN name: ***Colour Doppler with Echocardiography***

GENERAL

1. USE

1.1 Clinical purpose:

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

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

2. TECHNICAL CHARACTERISTICS

2.1 Technical characteristics (specific to this type of device)

The system should be state art with full Digital Technology & should be capable of whole body sonography & other application for adult & paediatrics (Infants & Neonates) which includes abdominal, Obs/Gyn, Endovascular, Peripheral vascular, transvaginal, transept, small parts, Cardiac, 3D/4D & Electrograph.

1) The system should incorporate facility for high resolution 2D, M mode, PW, Colour imaging Modes. It should be able to display combined modes, Dual Live modes& Should have provision for upgrade to 3D/4D& Electrograph in feature.

2) The system should support Convex, Linear, Sector, Volume Convex, Endo Volume, Matrix Array and static transducers. It should support volume imaging by freehand, mechanical, and electronic methods.

3) The system should support multiple fully sampled live Volume Imaging, for both adult and paediatric imaging.

4) All transducers should have Broad Bandwidth technology for extreme High Resolution 2D Imaging. The system should be able to capture all frequencies in a single Probe, without the need for user selection

5) The system should have more than 700000 Digital Channels

6) The system should have 256 Grey shade or more.

7) The system should have capability of duplex display in real time with all probes.
8) The system should have a very high frame rate of 2800 frames per second or more 2D, Frame rate of 600 Frames per second of more in Colour flow & frame rate of 40 frames or more in 4D.
9) The system should have Harmonic imaging for hard to image patients. The system shall support Tissue Harmonic Imaging capability on all transducers.
10) The system should have advance image processing algorithms to analyse between targets &artifacts so as to sharpen target anatomy, reduce the sparkle &artifacts to improve image quality.
11) The system shall offer Harmonic Imaging in Power Doppler Imaging mode for improved sensitivity and specificity in differentiating blood/ agent from tissue.
12) System should be able to work in combined mode of Harmonic Imaging and Real time Compound Imaging to get excellent Image quality. The system shall offer Tissue Harmonic Imaging in Power Doppler imaging mode for improved sensitivity and specificity in differentiating blood / agent from tissue
13) The system should employ the state of the art Transmit Real Time Compound Imaging Technology with Multiple Transmitted lines of sight of at least 9 lines. Wherein Multiple Coplanar Images from different viewing angles are obtained and combined into a single compound Image at real-time frame rates for Improved visualization & better image quality in Abdominal & Vascular Imaging & to virtually clean up the image of artifacts.
14) System should have advanced Image Processing algorithms to analyze between targets and artifacts so as to sharpen target anatomy and reduce the speckle &artifacts for improved Image quality.
15) System should capable for real time extended field of view Imaging (Panoramic imaging) up to 100 cm with curved and linear transducers. All grayscale imaging must be capable of real time spatial Compounding during the panoramic imaging.
16) The system shall quantitatively calibrate panoramic images, allowing the user to perform area, circumference, distance and curved-linear distance measurements.
17) There should not be any reduction or change in pulsed Doppler PRF/scale when moving between duplex pulsed wave Doppler and simultaneous/triple modes. Also, system should offer automatic single button optimization of Doppler baseline and scale.
18) The system shall support full screen display of all 3D views including individual X, Y, Z MPR views and simultaneous display of thumbnail views on the same system display monitor.
19) Preset controls shall include abdominal, carotid, lower extremity venous and gynaecological exam guides that following industry and accreditation guidelines.
20) The system should have automatic real time quantification of Doppler parameters like velocity, frequency, time, heart rate, slope, flow volume,

pulsatility index, resistivity index, peak velocity, average value, point value, area and diameter flow volume, etc

21) The system should provide extensive measurement, calculation and analysis packages for abdominal (General Vascular, Renal), small parts (Thyroid, Testicle, Breast). Ob/Gyn. Cardiology etc.

22) The system should support Intima Media Thickness (IMT) Quantification with automatic or user assisted tracing of Intima-media complex and the calculation and display of mean and standard deviation IMT based spatial average of Intima-media distances from each scan line.

23) The system should have facility for Zoom 10 times (Real-time and Frozen-image) & manipulation of image through pre-processing and post-processing with cine loop
viewing image of all modes.

24) System should have Storage of at least 500 GB or more.

25) System should have Cineloop review facility in individual and mixed modes with memory upto minimum of 2000 images and 100 seconds of M Mode data.

26) The system should have facility of digital storage & retrieval of B/W & colour image data (Both frozen & cine loops) on built in as well as ramble media (CD, DVD) USB port.

27) The system should have automatic real time quantification of Doppler parameter like velocity, frequency, time heart rate stop, flow volume, plasticity index, resistivity index, peak velocity, average value, point value, area & diameter flow volume etc.

28) The system should have high dynamic range of 250 dB or more with scanning depth of 40 cm or more.

29) All transducers should be broadband, with Frequency range 1 to 17 MHz or more with universal ports for transducer interchange.

30) The system shall have at least Four or more universal Painless transducer ports with electronic switching capability allowing any transducer to be connected to any port.

31) System should have 21.5" HD LED display with tilt and swivel Facility along with
alphanumeric keyboard with illuminating keys and status function.

32) System should have touch control panel of 10.4 inches or more. Should have full alphanumeric keyboard with illuminated keys and status display.

33) The system should have a fast Boot up time of less than 60 seconds, which switched on from 'OFF' position, and also less than 60 seconds from 'STANDBY' position.

34) The system should have latest Operating systems

35) The System should incorporated with Intel i3 or better processer

36) Dicom 3.0 compatible.

37) Review of stored images is desirable.

38) Real time spatial compounding with transmit compounding minimum 7 different
angles in spatial compounding without decrease in frame rate volume
39) Image visualization and delineations of pathology with optimized contrast resolution with real time speckle management techniques even in colour, the same should be applicable able to combine seamlessly with other application features in the system.

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

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

3. PHYSICAL CHARACTERISTICS
3.1 Dimensions (metric) :NA
3.2 Weight (lbs, kg): Less than 60KG
3.3 Configuration: NA
3.4 Noise (in dBA) Noise-free system.
3.5 Heat dissipation Heat Dissipation: Should maintain nominal Temp and the heat
should be
Disbursed through a cooling mechanism.
3.6 Mobility, portability Certified Room Installation.
4. ENERGY SOURCE :(electricity, UPS,)
4.1 Power Requirements Power unit: Input voltage- 220V-240V AC, 50Hz Single-phase
4.2 Battery operated: Yes/ UPS
4.3 Tolerance (to variations, shutdowns): NA
4.4 Protection NA
4.5 Power consumption – Less than 700VA
5. ACCESSORIES, SPARE PARTS, CONSUMABLES
5.1 Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables/reagents (open, closed system)
Machine should be supplied with following transducers:
I. Pin lessBroad band power view Technologyconvex array transducer with multi-frequency range of 1 to 6 MHz or more – 1No
II. Pin less Broad band transvaginal probe with multi-frequency range between 3 to 10 MHz or morewith Field of View 220 Degree or more – 1No
III. Pin less Broad bandLinear probe with multi-frequency range between 3 to 12 MHz or more – 1No
IV. Pin less Broad bandPower view technology sector probe with multi-frequency range between 1 to 5 MHz or more – 1No

V. Pin less Broad band volume convex probe with multi-frequency range between 1 to 6 MHz or more – 1No

Above transducers are must be ingress protected againt fluid and shock.

The system should have following documentation devices

a) B/W Thermal printer of latest model

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

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

e) 50 nos. of CDs to be supplied

6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS

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

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

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

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

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

2) Sterilization not required.

7. STANDARDS AND SAFETY

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

1. Should be USFDA &European CE (Notified Class IIa) approved product.

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

3. Electrical safety conforms to the standards for electrical safety IEC 60601-General

requirements

5. Shall meet internationally recognised for Electromagnetic Compatibility (EMI/EMC) for electro medical equipment: 61326-1.

6. Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.

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

8. IEC /EN 60601-2-37 Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment

9. National / international Acoustic Output Standard certificate.

8. TRAINING AND INSTALLATION

8.1 Pre-installation requirements: values, quality, tolerance

1) Availability of 5 amp socket;

2) Safety and operation check before handover;

3) To be installed in a separate room.

8.2 Requirements for sign-off Certificate of calibration and inspection of parts from the manufacturer
8.3 Training of staff (medical, paramedical, technicians)
1) Training of users on operation and basic maintenance for 2 weeks;
2) Advanced maintenance tasks required shall be documented
9. WARRANTY AND MAINTENANCE
9.1 Warranty 3 years
9.2 Maintenance tasks CMC 5 years 2 Preventive maintenance M Visits Annually.
All Breakdown calls to be attended within 24 hrs of registration.
9.3 Service contract clauses, including prices The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee/warranty period should be attached;
10. DOCUMENTATION
10.1 Operating manuals, service manuals, other manuals Should provide 2 sets (hardcopy and soft-copy) of:-
1) User, technical and maintenance manuals to be supplied in english/hindi language
along with machine diagrams;
2) List of equipment and procedures required for local calibration and routine maintenance;
3) Service and operation manuals (original and copy) to be provided;
4) Advanced maintenance tasks documentation;
5) Certificate of calibration and inspection
10.2 Other accompanying documents
List of essential spares and accessories, with their part numbers and cost;

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

2. 300 mA HF X-RAY WITH CR System

GMDN name: 300 mA HF X-Ray machine
1. U SE
1.1 Clinical purpose :Radiography of the bones and fractures and other arthropathies. X-Ray Chest for the supportive diagnosis of the Pulmonary Tuberculosis X-Ray Pelvis (KUB)for renal disorders and stones. Sinusitis, Fractures of the Skull Cardiac diseases and cardiac enlargementSilicosis and other respiratory conditions, like Pleual effusion, hydrothorax,Pneumothorax Peritonitis by X-Ray abdomen.

1.2 Used by clinical department/ward: Radiology
TECHNICAL
2. TECHNI CAL CHARACTERI STI CS
2.1 Technical characteristics(specific to this type of device):
High Frequency X-Ray machine suitable for general Radiography.
X-Ray Generator
• High Frequency X-Ray generator having Frequency of 40 KHz more suitable for Radiography should be provided.
• Power output of generator should be 25 KW or more.
• Radiography KV range should be 40 to 110 KV or more.
• mA range (Rad.) : 300mA or more • Exposure time (Rad.): 1 ms to 2 sec.with maximum numbers of steps.
Control:
• A very compact, Soft Touch Control Panel having following functions &indications should be provided. The panel can be supplied in floor or wall mount with Spill Proof design Following features should be available on the control panel.
• Machine ON/OFF switch • Digital Display of KV&mAs.• K V & mAs increase and decrease switches.
• Tube focal spot selection switch.• Ready and x-ray on switch with indicators.
• Bucky Selection switch.
• Self diagnostic Programme with Indicators for Earth fault error, KV error, filament error & Tube's Thermal Overload.
X-Ray Tube
• One No Dual focus Rotating Anode BEL/Toshiba/Imported X-ray tube thermally protected having focal spot:
• 1mm or less small Focus, 2mm or less large Focus.
• Anode heat storage capacity of tube should be more than 140 KHU.
• One no manual collimator with aluminium filter & for adjustment of exposure area.
Column Stand:
• It should have floor to ceiling stand with vertical counter balanced travel.
• It should have 360 deg. Rotation.
• It should be provided one vertical bucky stand with machine.
Table.
• Five position manual tilt table having buky grid ration of 8:1 with 85 linesper inches should be provided.
• The bucky tray should accept cassette of 8"x10", 10"x12" and 14"x17" size.
2.2 User's interface :Manual
2.3 Software and/or standard of communication (where ever required)
3. P HYSICAL CHARACTERI STI CS
3.1 Dimensions (metric) NA
3.2 Weight (lbs, kg) NA
3.3 Configuration NA
3.4 Noise (in dBA) Noise-free system
3.5 Heat dissipation Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism
3.6 Mobility, portability Certified Room Installation
4. ENERGY SOUR CE (electricity, UPS, solar, gas, water, CO2 ....)

4.1 Power Requirements Power unit: Input voltage- 400V-440V AC, 50Hz ;3 - phase
4.2 Battery operated No
4.3 Tolerance (to variations, shutdowns):NA
4.4 Protection Stabiliser of appropriate capacity to be installed.
4.5 Power consumption 25 to 30 KW.
5. ACCESSORIE S, SPARE PART S, CON SUM ABLE S
5.1 Accessories (mandatory, standard, optional); Spare parts(main ones); Consumables/reagents (open, closed system)
Machine should be supplied with following transducers:
I. 2 No. BARC Approved whole body lead aprons with all attachments.
II. One Pair of 8 meter H. V. Cable.
6. EN VIRONMENT AL AND DEP ARTMENT AL CON SIDER ATON S
6.1 Atmosphere/Ambiance (air conditioning, humidity, dust ...)
1) Operating condition: Capable of operating continuously in ambient temperature of 5 to 50 deg C and relative humidity of 15 to 80% in ideal circumstances.
2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.
6.2 User's care, Cleaning,
Disinfection & Sterility issues
1) Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.
2) Sterilization not required.
7. STAND ARD S 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/European 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. TR AINING AND IN STALL ATION
8.1 Pre-installation requirements: nature, values, quality, tolerance
1) Availability of three phase uniform power supply.
2) Safety and operation check before handover.
3) To be installed in a separate room.
4) Facility for dark room should be available.
8.2 Requirements for sign-off Certificate of calibration and inspection of parts from the manufacturer.
8.3 Training of staff (medical, paramedical, technicians)
1) Training of users on operation and basic maintenance;
2) Advanced maintenance tasks required shall be documented;
9. WARR ANTY AND MAINTEN ANCE
9.1 Warranty 3 years
9.2 Maintenance tasks CMC 5 years 2 PM Visits Annually.
All Breakdown calls to be attended within 24 hrs of registration.

9.3 Service contract clauses, including prices
The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee/warranty period should be attached;
10. DO CUMENT ATION
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.
6) Satisfactory certificate for any existing installation from government hospital.
10.2 Other accompanying documents
List of essential spares and accessories, with their part numbers and cost;
11. NOTE S
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.

Computed Radiography System

GMDN name: CR System
GENERAL
1. U SE
1.1 Clinical purpose Used for Digitization of the already existing Analog X-ray Systems giving
advantage of image processing and increased speed Ideal for Medium workload facilities and Secondary care facilities.
1.2 Used by clinical department/ward :Radiology Department
TECHNICAL
2. TE CHNI CAL CHARACTERI STI CS
2.1 Technical characteristics (specific to this type of device)
1. Digitizer (CR) system should have capacity to process more than 70 or more cassette/films per hour of 14 X 17" size.
2. Standard work station (Console) coupled with CR image storage capacity– at least 2000 images specify the numbers.
It should have a resolution of 5 pixels/mm (Minimum) for standard resolution cassette &up to 20pixels/mm or more.
3. Separate DICOM workstation in ultra modality with all processing facilities in a centralized reporting.
4. Other feature of CR system.
• Image post processing.
• Window levelling
• Annotation

• Area of interest Zoom
• Magnification
• Flipping & panning
• Automatic exposure correction
• Pre view software
• Edge enhancement stepwise
• Contrast/Brightness adjustment
• Shuttering / ROI Finder
• Application related software like Paediatric should be available – The system should have software & hardware to perform full leg/Full spine/Long Body imaging/imaging stitching.
• DICOM Print
• DICOM image output to network workstation.
• Grid Pattern removal software & noise compression processing.
• Gray Scale reversal
• Rotation
• Image preview time 25 to 60 Sec. (For large image)
2.1 Technical characteristics (specific to this type of device)
System should be fully complaint with DICOM 3.
• Automatic cassette identification through bar code reader.
5. Laser camera with at-least three film size on line 14"X 17", 11"X 14"/ 10" X 14", 10" X 12", & 8" X 10"
6. • Contrast spatial / Reading resolution 10 pixel/ mm or more constant thigh resolution in all sizes. True size printing should be possible from reader console. Automatic exposure correction & facility for manoeuvring reading sensitivity manually.
Gamma curves for multiple object intensity processing.
Registration & cassette identification should b e possible to be done before& after the exposure (Pre/Post registration) 7. Specification for Laser Camera
• Mention Spatial resolution higher level preferable minimum 500 DPI/PPI.
• Mention Gray Scale resolution : more than 12 bits preferable
• Mention Processing capacity/hour for (14" X 17") films, It should be more than 70 films /Hour
8. Acceptable film size: 14"X 17", 11"X 14"/ 10" X 14", 10" X 12", & 8" X 10".
• Online film size : at least three film size
• DICOM compatible
2.1 Technical characteristics(specific to this type of device)
9. CR workstation should have following feature
• Multiple image printing with multiple format
• Measurement of image, insert scale
• Preloaded annotation
• DICOM CD writing & reading
• Image inverse, image flipping, image magnification, zooming
• Reporting format
• Image preview
• Image cropping
• Printing multiple patient on one film
• CD writing for multiple patients on one CD
• Should have a hard disk of 80 GB or more for storing image.
2.2 User's interface manual

2.3 Software and/or standard of communication (where ever required): In built
3. P HYSICAL CHARACTERI STI CS
3.1 Dimensions (metric) NA
3.2 Weight (lbs, kg) NA
3.3 Configuration NA
3.4 Noise (in dBA) Noise-free system
3.5 Heat dissipation Heat Dissipation: Should maintain nominal Temp and the heat should be
disbursed through a cooling mechanism
3.6 Mobility, portability Stationary installation
4. ENERGY SOUR CE (electricity, UPS, solar, gas, water, CO2 ....)
4.1 Power Requirements Power supply:230V, AC, 50Hz.
4.2 Battery operated: no
4.3 Tolerance (to variations, shutdowns):NA
4.4 Protection NA
4.5 Power consumption:??????
5. ACCESSORIE S, SPARE PART S, CON SUM ABLE S
5.1 Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables /reagents (open, closed system)
Machine should be supplied with following transducers:-
I. 2 No. BARC Approved whole body lead aprons with all attachments.
II. Please provide cassette for CR with PSP Plate (IP)
14" X 17" -2 No.
11" X 14" /10"X14"-2 No.
10"X12"-2 No.
III. Suitable online pure sine wave UPS for 30 minute backup
IV Closed System???
V Compatible computer System with 2 medical grade monitors
6. EN VIRONMENT AL AND DEP ARTMENT AL CON SIDER ATON S
6.1 Atmosphere / Ambiance (air conditioning, humidity, dust ...)
1) Operating condition: Capable of operating continuously in ambient temperature of 5 to 50 deg C and relative humidity of 15 to 80% in ideal circumstances.
2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.
6.2 User's care, Cleaning, Disinfection & Sterility issues
1) Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.
2) Sterilization not required.
7. STAND ARD S 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/ European 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 60601-1-General requirements (or equivalent BIS Standard)
5. Shall meet internationally recognised standard for Electromagnetic Compatibility (EMI/EMC) for electro medical equipment: 61326-1.

6. Certified to be compliant with IEC 61010-1-3, IEC 61010-1-2, IEC 61010-2-54, IEC 61010-1-6 and IEC 62304
7.2 Local and/or international Manufacturer / supplier should have ISO 13485 certificate for quality standard.
8. TR AINING AND IN STALL ATION
8.1 Pre-installation requirements: nature, values, quality, tolerance
Three phase stable power supply
8.2 Requirements for sign-off Certificate of calibration and inspection of parts from the manufacturer
8.3 Training of staff (medical, paramedical, technicians)
1) Training of users on operation and basic maintenance;
2)Advanced maintenance tasks required shall be documented
9. WARR ANTY AND MAINTEN ANCE
9.1 Warranty 3 years
9.2 Maintenance tasks CMC 5 years.
2 PM Visits Annually.
All Breakdown calls to be attended within 24 hrs of registration.
9.3 Service contract clauses, including prices
The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached;
10. DO CUMENT ATION
10.1 Operating manuals, service manuals, other manuals
Should provide 2 sets (hardcopy and soft-copy) of:-
1) User, technical and maintenance manuals to be supplied in english/ hindi language along with machine diagrams;
2) List of equipment and procedures required for local calibration and routine maintenance;
3) Service and operation manuals (original and copy) to be provided;
4) Advanced maintenance tasks documentation;
5) Certificate of calibration and inspection
10.2 Other accompanying documents
List of essential spares and accessories, with their part numbers and cost;
11. NOTE S
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

3. Fully automated Random biochemistry analyzer (Medium throughput)

GMDN name: Fully automated biochemistry analyzer/Fully automated Random biochemistry analyzer

GENERAL
1 USE

1.1 Clinical purpose: The Fully-automated Biochemistry Analyzer measures biochemical indexes by analyzing blood and other body fluid, then combines with other clinical information, to help diagnose disease, evaluate organs function, identify disease gene and determine the norm for future therapy.

1.2 Used by clinical department/ ward: Diagnostic laboratory

TECHNICAL

2 TECHNICAL CHARACTERISTICS

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

- Fully automated, random access chemistry analyzer; The equipment should be capable all Routine STAT and special Biochemical tests including specific protein, therapeutic grogs, drugs of abuse and user defined applications.
- Throughput: 300 tests/hour, up to 450tests /hour with ISE;
- Must have direct ISE Unit for Na, K and Cl Measurement.
- ISE Electrode should last for 6 month.
- Must be open Ended system with bare code reading
- System should have 8 Wavelengths 340 to 700 nm
- Absorbance: 0.000 to 3.000A
- Resolution: 0.0001A or better
- System should be supplied with PC; windows based interface and Bi-directional Connection.
- Minimum reaction volume of 150 µl built in/ standalone.
- Must have built in Cooled reagent Compartment (5-15degree centigrade) with minimum 350 ml with sample volume 2- 70 ml with increment of 0.1micro and 1micro resp. The refrigerated compartment should have at least 40 reagent positions.
- Auto diagnosis of machine errors with message and correction steps.
- Must have on board capacity for permanent and numbered cuvettes. The cuvettes should be made of quartz. The cuvvets shall be autoclavable, highly temperature & chemical resistive. The self life should be more than 6months.
- Separate reagent probe for R1 and R2 and sample.
- Laundry System with minimum 5 step washing. Fluid consumption should not be more than 5liter/hr.
- Sample dead volume maximum100 µl in sample cup and maximum 50 µl in paediatric cups.
- Should have external and internal probe cleaning facility.
- Calibration should be linear factor, 2 point/point to point/ multi point and Exponential with maximum 8 calibrators per test.
- Sample type should include Serum, plasma, Urine, CSF, body fluids and supernatant with at least 50 sample positions and all position can be use as for STAT sample. Sample tube size: Multiple primary tube sizes (diameter 12 to 16mm, height 55 to 100mm), Paediatric cups
- Should have Light Source with minimum 1000 hrs life cycle with bar code facility with option for bar code on/off.
- Should have 10,000 Patient Result Storage
- Online QC Tracking with Levy and Jennings Chart for up to 30 different points.

2.2 User's interface : Built – in / automatic

2.3 Software and/or standard of communication (where ever required) : Built - in/ Automatic/ compatible, window based with data processing management system with complete back up of data base for calibration, control, patient sample results on daily basis.

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

3.6 Mobility, portability: Stationary lab Installation : **Bench top**

4 ENERGY SOURCE (electricity:

4.1 Power Requirements:" Recharging unit: Input voltage- 220V-240V AC, 50Hz

4.2 Battery operated: Battery back up with 30mints (On line UPS)

4.3 Tolerance (to variations, shutdowns) : ±10%/ 00

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

4.5 Power consumption

5 **ACCESSORIES, SPARE PARTS, CONSUMABLES**

5.1 Accessories (mandatory, standard, optional);

Spare parts (main ones); Consumables / reagents (open, closed system) "

1. Suitable Water plant/ Purification System on RO or any latest technology has to be provided along with the machine to produce more than the desired volume for running the system.
2. External printer.
3. UPS on line pure sine wave for back up of system with PC and IT peripherals for half hour.
4. Open System
5.light source-1no
6. Probes -2nos (1-reagent,1-sample)
7-All tubings required for preventive maintenance should be replaced in scheduled time in the warranty period.

NOTE:*The number of light source, probes, tubes, glass cuvettes, tubing's, filters etc has to be replaced by the supplier in view of the preventive maintenance in time as per the manual of the quoted model in free of cost within the warranty period.*

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 40 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 **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 (from a notified body) as per IVD.
2. Manufacturer should be ISO 13485 certified for quality standards.
3. Shall meet internationally recognised for Electromagnetic Compatibility (EMC) for electro medical equipment: 61326-1 4.Certified to be compliant with IEC 61010-1, IEC 61010-2-281

8 TRAINING AND INSTALLATION

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

1) Availability of 5 amp socket
2) Safety and operation check before handover.
3) AC to be provided

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

8.3 Training of staff (medical, paramedical, technicians)

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

9 WARRANTY AND MAINTENANCE

9.1 Warranty: 3 years

9.2 Maintenance tasks : NA

9.3 Service contract clauses, including prices: NA

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

4. <u>High Pressure Liquid Chromatography (HPLC)</u>

GMDN: High Pressure Liquid Chromatography (HPLC)

Description: It is an automated and integrated system used for laboratory diagnosis of β- thalassemia and hemoglobinopathy testing and screening based on HPLC technology.

Technical Specification:

- The system should be a fully automated table top analyzer

- The system should be able to screen and quantitative different variant of haemoglobins and detect the most commonly occurring abnormal haemoglobins and other rare abnormal haemoglobins along with detection of thalassemia.
- The system should quantitate the most common haemoglobin fractions like HbA, HbF& HbA2 for samples of thalassemia.
- The system should be able to detect the most common haemoglobin variants like HbS, HbC, HbD and HbE as well as HbH,barts and other haemoglobinopathies.
- The system should also detect the combinations of haemoglobinopathies and thalesemia like HbS- β, HbD- β and HbE- β thalassemia.
- The system should run on complete ready to use kit.
- Minimum throughput of the system should be of 9 tests per hour.
- The system should have continuous loading facility with STAT function
- The system should have in-kit external standards for instrument calibration ensuring accurate quantitation of results.
- The system should have a bi-directional LIS.
- The system should have a feature sample position identification to avoid error in case of faulty barcode reading.
- The system should have facility to monitor low buffer reservoirs, low level value for cartridge injections and overflow for the waste tank, as well as in built alarms for calibration failure.
- The system should be capable of positive sample identification using a Barcode reader.
- The system should have the facility of primary tube sampling and direct dilution of the samples without manual intervention.
- It should have an inbuilt system check facility which checks that all the system parameters (eg, cartridge, buffer, reagent, waste etc) are ready before the sample analysis.
- It should be able to print a hard copy report giving identification and information on the subtype and quantity of haemoglobins detected. It should have the facility to view current and stored chromatograms & should enable storage of chromatograms
- The system should have software for real time viewing of the analysis of the sample.
- The company should have offline library of chromatograms for result interpretation
- The company should have optional feature of capillary collection kit for remote sample collection with sample stability at 2-8oC for 14 days.
- Compatible UPS to be provided for 1 hour back up.
- Computer (Mini.i5 processor ,1Tb hard disk,17”LCD) and printer (laser printer) should be provided with the HPLC system
- Appropriate software for data analysis.
- Equipment should be provided with reagents for at least 100 tests for standardization.
- Company should take the responsibility for doing EQAS for 5 years.
- Company should take responsibility for corrective action as necessary for any errors, detected either internally or through EQAS for at least 5 years.

- Standardization: Traceable to the Diabetes Control and Complications Trial (DCCT) reference method and IFCC. Certified via the National Glycohemoglobin Standardization Program (NGSP)
- Quality standard
- The system should be CE(IVD) & USFDA approved
- The manufacturer should be ISO13485 certified
- All the required reagents/cartridges and calibrators & Controls should be USFDA & CE (IVD) approved.
- The system should be Compliance to electrical safety stands IEC 61010

Note:

1. The manufacturer/Bidder has to quote the reagent /cartridge per test cost.
2. Again the manufactuere has to quote the individual pack cost/ multiple packs cost for procurement.
3. The control and calibrator has to be provided by the manufacturer free of cost as per requirement (Number of test/control)

5. **Electrolyte Analyzer**

GMDN name : **Electrolyte Analyzer**

1 USE

1.1 Clinical purpose: Electrolyte analyser is used for analysis of Electrolytes in serum, plasma, urine, cerebro-spinal fluid (CSF), hemolysate and whole blood.

1.2 Used by clinical department/ ward: Diagnostic laboratory

TECHNICAL

2 TECHNICAL CHARACTERISTICS

2.1 Technical characteristics (specific to this type of device)

- •The system should be a microprocessor based instrument.
- Measurement parameters: Na (Sodium), K (Potassium), Ca (Calcium),
- MeasurmentPricnicple : using ion selective electrodes
- The machine should have reagent in single reagent pack for all the measurable parameters and the pack should be Bio Hazard free.
- It can be used for blood/plasma/serum, urine, body fluids, dialysate, aqueous & QC Fluids
- Resolution should at least in 0.1 mmol/Litre
- Sample can be fed by capillary syringe or sample tube directly
- Sample volume should be less than 100 micro-liters.
- Analysis time should be less than 60 seconds
- Calibration should be fully automatic 1 and 2 point calibration. 1 point with every sample and 2 point time bound
- Quality control memory storage, of at least 3 levels with calculation of mean, SD and CV
- Facility of flagging of abnormal results and user programmable ranges.
- Stand by mode: user controlled and automatically controlled
- Memory for last 20 messages.
- Built in printer for printing the data.
- RS.232.C (standard serial port) should be available

Range of measurement:

1. Sodium (Na+) 40 to 200mmoL/L
2. Potassium (K+) 1.5 to 15mmoL/L
3. Calcium (Ca+)) 2 to 5.0 mmOl/L

2.2 User's interface: Built - in/ automatic

2.3 Software and/or standard of communication(where ever required): Built - in/ Automatic/ compatible, window based with data processing management system with complete back up of data base for caliberation, control, patient sample results on daily basis.

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

3.6 Mobility, portability: Stationary lab Installation

4 ENERGY SOURCE :(electricity, UPS)

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

4.2 Battery operated : No

4.3 Tolerance (to variations, shutdowns) : ±10%

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

4.5 Power consumption : NA

5 ACCESSORIES, SPARE PARTS, CONSUMABLES

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

1. Cleaning Solution
2. UPS on line pure sine wave for back up of system with PC and IT peripherals for half hour.
3. Printer paper

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 40 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,);

1. Performance and safety standards (specific to the device type); Local and/or international

1. Should be USFDA/CE (From a notified body) as per IVD approved product.
2. Manufacturer and supplier should have ISO 13485 for quality standards.

3. shall meet internationally recognised for Electromagnetic Compatibility (EMC) for electromedical equipment: 61326-1 4.Certified to be compliant with IEC 61010-1, IEC 61010-2-281 "

8 TRAINING AND INSTALLATION

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

1) Availability of 5 amp socket;
2) Safety and operation check before handover.

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

8.**3 Training of staff (medical, paramedical, technicians)**

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

9 WARRANTY AND MAINTENANCE

9.1 Warranty: 3 years

9.2 Maintenance tasks: NA

9.3 Service contract clauses, including prices: NA

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

6.**SYRINGE PUMP**

NAME AND CODING

GMDN name-Syringe pump

GMDN code(s)-CT111

GENERAL

1. USE

1.1 Clinical purpose -Designed to precisely drive the plunger of a syringe down its barrel to infuse a solution when it must be administered with a high degree of volume accuracy and rate consistency

1.2 Used by clinical department/ward-NICU/PICU

TECHNICAL

2. TECHNICAL CHARACTERISTICS

2.1 Clinical performances-Should accept all internationally produced/marketed syringes and should be able to detect it automatically, Should support the Bolus supply of drug on press of single button, as per need and should be able to preset different range of Bolus supply. Preferably the unit should be of Bottom / side loaded to avoid accidental spilling of drugs and damage to the machine.

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

1. Flow rate programmable range at least from 0.1 to 200 ml/hr, in steps of 0.1 ml/hr; and at least from 100 to 1200 ml/hr in steps of 1 ml/hr
2. Saves last infusion rate even when the AC power is switched off
3. Bolus rate should be programmable to approx 500 ml, with infused volume display.
4. Selectable occlusion pressure trigger levels selectable from 300, 500 and 900 mmHg.
5. Must work on commonly available 10ml to 50ml syringes
6. Accuracy of ±2% or better.
7. Maximum pressure generated ≤ 20 psi
8. Automatic detection of syringe size and proper fixing.
9. Anti-bolus system to reduce pressure on sudden release of occlusion.
10. Pause infusion facility required
11. Self-check carried out on powering on
12. Comprehensive alarm package required including: occlusion alarm, near end of infusion pre-alarm and alarm, volume limit pre-alarm and alarm, low battery pre-alarm and alarm, AC power failure, drive disengaged, syringe loading error, maintenance required
13. Should include KVO (Keep vein open) enabling feature
14. It should be an open system compliant

2.3 Settings-Single loadable with one syringe of minimum 10ml/

2.4 User's interface-Automatic

2.5 Software and/or standard of communication-Inbuilt

3. PHYSICAL CHARACTERISTICS

3.1 Dimensions (metric)-NA

3.2 Weight (lbs, kg)-NA

3.3 Configuration-Tamper-resistant case made of impact resistant material Securely mountable on tabletop, IV stand or bed fitting

3.4 Noise (in dBA)-Noise free

3.5 heat dissipation-

3.6 Mobility, portability-Yes

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

4.1 Voltage (value, AC or DC, monophase or triphase)-220 to 240V, 50 Hz

4.2 Battery operated-Internal rechargeable battery having at 4 to 6 hours backup for 10ml/hr flow rate with 50ml syringe

4.3 Tolerance (to variations, shutdowns)-10%

4.4 Protection-Battery powered alarm for power failure or disconnection

4.5 Power consumption-25W

4.6 Other energy supplies-Na

5. ACCESSORIES, SPARE PARTS, CONSUMABLES

5.1 Accessories (mandatory, standard, optional)-Clamp for mounting pump on IV stand

5.2 Spare parts (main ones)-

5.3 Consumables / reagents (open, closed system)-Battery, syringe holder, PMO lines

5.4 Others-

6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS

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.

6.2 User's care, Cleaning, Disinfection & Sterility issues-Capable of cleaning with alcohol or chlorine wipes

7. STANDARDS AND SAFETY

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

CE (from Notified body) or US FDA certified.

Manufacturer / supplier should have ISO 13485 certificate for quality standard.

Electrical safety conforms to standards for electrical safety IEC-60601-1, class II

Shall meet IEC 60601-1-2 EMC standard requirements

Certified to IEC-60601-2-24: Particular requirements for the safety of infusion pumps and controllers.

8. TRAINING AND INSTALLATION

8.1 Pre-installation requirements: nature, values, quality, tolerance-Supplier to perform installation, safety and operation checks before handover.

8.2 Requirements for sign-off-As per requirement

8.3 Training of staff (medical, paramedical, technicians)-Training of users in operation and basic maintenance shall be provided

8.4 Others-

9. WARRANTY AND MAINTENANCE

9.1 Warranty-3 year

9.2 Maintenance tasks-Advanced maintenance and calibration tasks required shall be documented

9.3 Service contract clauses, including prices-Local clinical staff to affirm completion of installation

9.4 Others-

10. DOCUMENTATION

10.1 Operating manuals, service manuals, other manuals-User, technical and maintenance manuals to be supplied in english language.
List to be provided of equipment and procedures required for local calibration and routine maintenance

10.2 Other accompanying documents-List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.

11. NOTES

11.1 Other information-Contact details of manufacturer, supplier and local service agent to be provided

11.2 Recommendations or warnings-

7.**INFUSION PUMP**

NAME AND CODING
GMDN name- -Infusion Pump (Volumetric)
GMDN code(s)- -CT1821

GENERAL

1. USE

1.1 Clinical purpose -An infusion pump infuses fluids, medication or nutrients into a patient's circulatory system. It is generally used intravenously, although subcutaneous, arterial and epidural infusions are occasionally used.

1.2 Used by clinical department/ward-NICU /SNCU and PICU

1.3 Overview of functional requirements-

Alarms indicates if any error situations occur. The drive arm infuses the medication at a steady, programmed rate.

TECHNICAL

2. TECHNICAL CHARACTERISTICS

2.1 Clinical performances:-

Should accept all internationally produced/marketed bottles and should be able to detect it automatically, Should support the Bolus supply of drug on press of single button, as per need and should be able to preset different range of Bolus supply.

Preferably the unit should be of Bottom / side loaded to avoid accidental spilling of drugs and damage to the machine.

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

1. Flow rate programmable range at least from 0.1 to 200 ml/hr, in steps of 0.1 ml/hr; and at least from 100 to 1200 ml/hr in steps of 1 ml/hr
2. Saves last infusion rate even when the AC power is switched off
3. Bolus rate should be programmable to approx. 500 ml, with infused volume display.
4. Selectable occlusion pressure trigger levels selectable from 300, 500 and 900 mmHg.
5. Accuracy of ±2% or better for set parameters.
6. Maximum pressure generated 20 psi
7. Pause infusion facility required
8. Self-check carried out on powering on
9. Comprehensive alarm package required including: occlusion alarm, near end of infusion pre-alarm and alarm, volume limit pre-alarm and alarm, low battery pre-alarm and alarm, AC power failure, drive disengaged
10. It should be open system

2.3 Settings-Single loadable

2.4 User's interface-Automatic

2.5 Software and/or standard of communication-Inbuilt

3. PHYSICAL CHARACTERISTICS

3.1 Dimensions (metric)-NA

3.2 Weight (lbs, kg)-NA

3.3 Configuration-Tamper-resistant case made of impact resistant material Securely mountable on tabletop, IV stand or bed fitting

3.4 Noise (in dBA)-Noise free

3.5 heat dissipation-
3.6 Mobility, portability-Yes

4. ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2 ....)
4.1 Voltage (value, AC or DC, monophase or triphase)-220V ± 10%, 50 Hz
4.2 Battery operated-Internal rechargeable battery having a minimum of 2 hours backup
4.3 Tolerance (to variations, shutdowns)-± 10%
4.4 Protection-Battery powered alarm for power failure or disconnection
4.5 Power consumption-NA
4.6 Other energy supplies-NA

5. ACCESSORIES, SPARE PARTS, CONSUMABLES
5.1 Accessories (mandatory, standard, optional)-Clamp for mounting pump on IV stand
5.2 Spare parts (main ones)-NA
5.3 Consumables / reagents (open, closed system)-NA
5.4 Others-

6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS
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.
6.2 User's care, Cleaning, Disinfection & Sterility issues-Capable of cleaning with alcohol or chlorine wipes

7. STANDARDS AND SAFETY
7.1 Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type)-
1) FDA (US) /CE(From Notified body) (EU) from authorized third party and BIS/ISO 13485
2) Relevant IEC-60601-Part 1 & 2, certificates by a notified agency

8. TRAINING AND INSTALLATION
8.1 Pre-installation requirements: nature, values, quality, tolerance-Supplier to perform installation, safety and operation checks before handover.
8.2 Requirements for sign-off-As per requirement
8.3 Training of staff (medical, paramedical, technicians)-Training of users in operation and basic maintenance shall be provided

8.4 Others-

9. WARRANTY AND MAINTENANCE

9.1 Warranty-3 years

9.2 Maintenance tasks-Advanced maintenance and calibration tasks required shall be documented

9.3 Service contract clauses, including prices-

1) The spare, accessories & consulables price list required for maintenance and repairs in future after guarantee / warranty period should be attached;

2) Free servicing during warranty period;

10. DOCUMENTATION

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

1) User, technical, maintenance and service manuals to be supplied along with machine diagrams;

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

3) Certificate of calibration to be provided by the manufacture;

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 (Hierchy Wise; including a toll free/landline number)-**

1) Contact details of manufacturer, supplier and local service agent to be provided;

2) Any Contract (AMC/CMC/add-hoc) to be declared by the manufacturer;

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

SECTION –VI

ANNEXURES

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

ANNEXURE –I

(Refer Clause No. 3.1)

CHECK LIST

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

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

Please put ✓ in the respective box

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

1.	List of Item (s) – Annexure II	Page No		Yes		No
2.	Tender document Fee	Page No		Yes		No
3.	Earnest Money Deposit	Page No.		Yes		No
4.	Details of Manufacturing Unit / contract person Liaisioning agent / servicing centre (Annexure III)	Page No.		Yes		No
5.	Declaration form (Annexure -IV) signed by the Tenderer & affidavit before Notary Public / Executive Magistrate	Page No.		Yes		No
6.	Manufacturer's Authorization Format (Annexure – V)(for distributor/Importer) (Item wise)	Page No.		Yes		No
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.		Yes		No.
8.	Performance Statement (***Item wise***) during the last three years (Annexure -VII)	Page No.		Yes		No
9.	Copies of Purchase order **(Item wise)** in support of the performance statement	Page No.		Yes		No
10.	Deviation/No deviation Statement **(Item wise)** & details of technical specification (Annexure -VIII A & B)	Page No		Yes		No

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 VAT clerance cerificate	Page No.	Yes	No
18. Copy of original Tender and schedules, duly signed by the Tenderer	Page No.	Yes	No.

Annexure II
(Refer Clause No. 3.2)

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

LIST OF ITEM(S) QUOTED

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

Signature of the Tenderer :

Date :

Official Seal:

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Annexure IIA

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

DETAILS OF EMD(S) SUBMITTED

Sl.	Name of Item	EMD Amount (Rs.)
	TOTAL (Rs.)	

Signature of the Tenderer :

Date :

Official Seal:

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)		
VAT validity	(Furnish photocopy of VAT)	
PAN	(Furnish photocopy of VAT)	
Details of the Service Centre Facilities (in Odisha)		

Signature of the Tenderer : with seal

Date :

Official Seal :

ANNEXURE – IV
(Refer Clause No. 3.6)

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

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

Signature of the bidder :

Seal Date :

Name & Address of the Firm:

Affidavit before Executive Magistrate / Notary Public.

ANNEXURE – V
(Refer Clause No. 2.2(i))

(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.	2016-2017	-
2.	2017 - 2018	-
3.	2018 – 2019	-

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

Date:
Place:

Signature of Auditor/
Chartered Accountant
(Name in Capital)

Seal

Membership No.-

Registration No. of Firm

Note:

a) *To be issued in the **letter head** of the Auditor/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 VIIIA
(***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]

<u>List of Enclosures to be submitted in Price Bid</u> :

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 superscripted with Item Name
3) Photocopy of GST certificate.

To be submitted in *Cover B – Price Bid* **ANNEXURE-IX**

(Refer Clause No. 4.1 & 8.16)

FORMAT - PRICE SCHEDULE

Whether depot. inside Odisha, i.e. GST paid to Government of Odisha: Yes / No If Yes, Depot. Address :

Name of the Item (s) (Items mentioned in the schedule of requirement)	Make & Model	**Unit Price** with **all accessories** which includes excise duty / customs duty, packing, insurance, forwarding / transportation (door delivery) with **3 (three) years onsite warranty** & **excludes GST** Cost in Rs. (both in words & figures)	CMC (excluding **Service Tax**) for **three years after** expiry of three 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) (**Exclusive** of GST)	GST (if any) on & above the item price mentioned in (3) (Mention whether GST, the % of tax & it's value in Rs.)	In Case of GST, pl. Mention whether GST is payable to Govt. of Odisha ***(Yes/No)
(1)	**(2)**	**(3)**	**(4)**	**(5)**	**6=3+4+5**	**7**	**8**
			1st year after warranty: 2nd year after warranty: 3rd year after warranty: Total :				

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

*** GST which will be chargeable on the price (3) shall be mentioned separately in column 7 above.**

**** 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.**

***** In case the GST is payable to Govt. of Odisha, pl. furnish a copy of the up-to-date GST certificate.**

Signature of the Bidder:
Name :

Date :
Place :

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)

ANNEXURE – X
(Refer clause no. 7.1.2)

AGREEMENT

THIS AGREEMENT IS MADE AT _____ THIS THE DAY OF _____ **2017**

BETWEEN

Name of the Supplier
with full address

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

AND

The C.D.M.O,
, MALKANAGIRI

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.

Description of goods	Qty	Price	Total

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 60 days from the date of issue of purchase order unless otherwise specified. If no supply is received even after 60 days or 88 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 C.D.M.O. 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 **THREE 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.

COMPREHENSSIVE 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 3 (three) 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 (3 years) during the CMC period.

COMPREHENSIVE WARRANTY :

This warranty shall remain valid for three (3) years from the date of installation & commissioning of the machine / item & must be submitted at the time of installation to the consignee with a photocopy to the purchaser.

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

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

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

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

If the Supplier, having been notified, fails to remedy the defect(s) within 10 days, the Purchaser may proceed to take such remedial action as may be necessary, like forfeiture of EMD or recovery from security deposit the amount of loss (which will be decided by C.D.M.O/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 C.D.M.O,MALKANAGIRI will be at liberty to terminate the contract either wholly or in part without assigning any reason. The tenderers will not entitled to any compensation whatsoever in such terminations.

PENALTIES :

If the successful tenderer fails to execute the agreement and / or deposit the required security within the time specified or withdraws his tender after acceptance of his tender owing to any other reasons, he is unable to undertake the contract, his contract will be cancelled and the Earnest Money Deposit deposited by him along with his tender shall stand forfeited and he will also be liable for all damages sustained by the C.D.M.O,MALKANAGIRI by reasons of such breach, such as failure to supply / delayed supply including the liability to pay any difference between the prices accepted by him and those ultimately paid for the procurement of the articles

concerned. Such damages shall be assessed by the C.D.M.O,MALKANAGIRI whose decision is final & binding in the matter.

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

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

ARBITRATIONS :

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

CHANGE OF TERMS AND CONDITIONS :

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

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

Executed by Purchaser (s) / Consignee

Executed by Supplier(s)

In presence of (Witness)

In presence of (Witness)

ANNEXURE – XI

(Refer Clause No. 11.1 to 11.6, 13.1)

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 (3 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 3 year comprehensive warranty is valid from dt._____ to dt._____.
v. The 3 year CMC is valid from dt._____ to dt._____.

Date:
Place:

Signature of the competent authority
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 3 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 3 years warranty period.

Signature of the witness
Name & address

Signature of the Tenderer
Name & address

Dated

Seal of the firm.

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

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

Sd/-A.Ku.Baitharu
Chief District Medical & Public Health Officer, Malkangiri