



**OFFICE OF THE MISSION DIRECTOR
NATIONAL RURAL HEALTH MISSION, ASSAM
SAIKIA COMMERCIAL COMPLEX, SRINAGAR PATH, CHRISTIANBASTI,
G.S ROAD, GUWHATI 781005**

**TENDER FOR SUPPLY OF HOSPITAL FURNITURE, FIXTURES,
EQUIPMENTS & INSTRUMENTS**

(NATIONAL COMPETITIVE BIDDING)



**OFFICE OF THE MISSION DIRECTOR
NATIONAL RURAL HEALTH MISSION, ASSAM
SAIKIA COMMERCIAL COMPLEX, SRINAGAR PATH, CHRISTIANBASTI,
G.S ROAD, GUWHATI 781005**

Website : www.nrhmassam.in

e-mail : misnrhm.assam@gmail.com

TENDER FOR SUPPLY OF HOSPITAL FURNITURE, FIXTURES, EQUIPMENTS & INSTRUMENTS

(NATIONAL COMPETITIVE BIDDING)

TENDER NO:NRHM/PROC/HOS-EQP/1930/2013-14/39260 Date: 23/12/2013

Date of sale of Tender Document	: 24/12/2013
Last Date and Time of receipt of Tender	: 23/01/2014 till 2 pm
Pre Bid Meeting	: 08/01/2014 at 4 pm
Date and Time of opening Tender	: 23/01/2014 at 3 pm
Place of opening Tender.	: Office of the Mission Director, National Rural Health Mission, Saikia Commercial Complex, Srinagar Path, Christianbasti, G.S Road, Guwahati-781005, Assam.
Address for Communication	: Mission Director, National Rural Health Mission, Saikia Commercial Complex, Srinagar Path, Christianbasti, G.S Road, Guwahati-781005, Assam.
Cost of Tender Documents in Demand Draft	: Rs. 2000/- (Rupees Two Thousand) only in the form of Demand Draft in favour of "State Health Society, Assam"



OFFICE OF THE MISSION DIRECTOR
National Rural Health Mission, Assam
SAIKIA COMMERCIAL COMPLEX, SRINAGAR PATH, CHRISTIANBASTI,
G.S ROAD, GUWHATI 781005

TENDER FOR THE SUPPLY OF HOSPITAL FURNITURE, FIXTURES, EQUIPMENTS & INSTRUMENTS

Sealed tenders in Two Bid System (Technical Bid & Price Bid in separate sealed envelopes) affixing court fee stamp of Rs 8.25 (or IPO of Rs 10/- for bidders located outside the State of Assam) only, are invited from manufacturers or authorized distributors/dealers for "Supply of Hospital Furniture, Fixtures, Equipments & Instruments" to health institutions in different districts of Assam on turnkey basis.

1. LAST DATE FOR RECEIPT OF TENDERS.

Sealed Tenders in two separate covers {Technical bid (Cover "A") and Price Bid (Cover "B")} will be received up to 23-01-2014 till 2 PM by the Mission Director, National Rural Health Mission, Saikia Commercial Complex, Srinagar path, Christianbasti, G S Road, Guwahati-781005, Assam

2. IMPORTANT NOTES:

- a) The bidder shall quote prices in Indian Rupees only, on FOR destination basis.
- b) Delivery of the ordered items shall be affected at District Drug Ware Houses or the designated Health Institutions spread over 27 districts in Assam.
- c) Arrangement of Road Permits for despatch of consignments shall be the responsibility of the successful bidder (s).

3. PRE-BID MEETING

A Pre- Bid meeting with all the intending bidders will be held at Conference Hall of NRHM Office on 08/01/2014 at 4pm.

4. ELIGIBILITY CRITERIA

- A. Bidder shall either be a manufacturer or a distributor/dealer having experience of supplying Hospital Furniture & Fixture/Medical Equipments/Instruments to Govt. Organizations.
- B. Average Annual turnover of the bidder (who is not a manufacturer) in the last three financial years i.e. 2010-11, 2011-12, 2012-13 from sales of Hospital Furniture & Fixtures/Medical Equipments/Instruments shall not be less than **Rs 11 (Eleven) Crores.**
- C. Manufacturer participating as bidder or manufacturer from whom the Hospital Furniture & Fixture/Medical Equipments/Instruments would be sourced by the dealer should have an average Annual Turnover of **Rs 15 (Fifteen) Crores** in the last 3 financial years i.e. 2010-11, 2011-12, 2012-13.

However, for manufacturers of Hollow Wares, the average Annual Turnover in the last three financial years shall not be less than **Rs 1 (One) Crore**.

- D. Bidder should have at least 3(Three) years Market Standing as supplier of Hospital Furniture & Fixture/Medical Equipments/Instruments.
- E. Manufacturers of Hospital Equipments/Instruments shall have valid **CE/US FDA Certification** and also have valid ISO 9001:2000/ISO 14001:2004 certificates. Manufacturers of Hospital Furniture & Fixtures shall have valid OHSAS 18001:2007 certificate as well as ISO 9001:2000/ISO 14001:2004 certificates. Manufacturers of Surgical Hollow Wares shall have valid ISO 9001:2000 certificate. All such certificates should have been obtained and valid in the past 3 years.
- F. Bidder shall have experience in supply & installation of Hospital Furniture & Fixture/Medical Equipments/Instruments in the last 3 (three) financial years and value of a single order for such items during this period should be at least Rs2.00 Crores.
- G. Bidder should have experience & knowledge of modes of packing, distribution & transportation of such items under any weather conditions.
- H. Bidder who has been blacklisted either by the Tender Inviting Authority or by any State Government or Central Government Organization will not be allowed to participate in the tender during the period of blacklisting.

5. **GENERAL CONDITIONS.**

- (I) There are six groups of items in the tender (Groups A, B, C, D, E & F). A bidder must quote for all the items in a particular Group as indicated in the bid document. In case, a bidder does not quote for one or more items in a particular Group, the bid for that Group shall be considered incomplete and shall be liable for rejection.
- (II) A bidder may quote for any or all the Groups. A bidder quoting rates for supply of items in Group A, B, C & D must also quote for Comprehensive Maintenance Contract price of such items for a period of 3 years.
- (III) The quantity of each item indicated in the bid document is tentative and subject to change depending on actual requirement.
- (IV) Tender documents may be obtained from the office of Tender Inviting Authority during office hours on payment of Rs 2000/-(non – refundable) in the form of Demand Draft drawn in favour of “ **State Health Society, Assam**” payable at Guwahati The tender documents may also be downloaded from the official website- www.nrhmassam.in.The bidder downloading the Bid document from the website will be required to deposit Rs 2000/-(non – refundable) in the form of Demand Draft drawn in favour of “ **State Health Society, Assam**” payable at Guwahati while submitting the Tender. Tender without the fee of Rs 2000/- will not be accepted.
- (V) All tenders must be accompanied by Earnest Money Deposit as specified in the

relevant clause of the bid document.

- (VI) Tenders will be opened in the presence of bidders / authorized representatives who choose to attend on the specified date and time as stipulated in the bid document.
- (VII) At any time prior to the date of submission of tender, the Tender Inviting Authority may, for any reason, whether on his own initiative or in response to a clarification requested by a prospective Bidder, modify the tender document by an amendment. All prospective bidders who have received the tender document will be notified of the amendment and that will be binding on them. In order to provide reasonable time to take the amendment into account in preparing their bid, Tender Inviting Authority may at its discretion, extend the date and time for submission of tenders.
- (VIII) Interested eligible bidders may obtain further information from the office of the Tender Inviting Authority.
- (IX) Price Preference/ Purchase Preference to PSUs / SSI Units shall not be applicable.
- (X) When a bidder specifies name of the manufacturers of different products in the format at Annexure VIII, all required documents (specifically Average Annual Turnover Statement & quality certificates) of each manufacturer should invariably be furnished, failing which the bid would be summarily rejected.

6. TECHNO-COMMERCIAL BID - COVER "A"

The Bidder should furnish the following documents/charges in a separate cover hereinafter called "**Cover A**".

A. Court Fee Stamp/IPO and Tender Document Fee

Court fee stamp of Rs 8.25 (or IPO of Rs 10/- for bidders located outside the State of Assam). Tender document fee of Rs 2000.00 in the form of a Demand Draft in favour of "**State Health Society, Assam**" payable at Guwahati

B. Earnest Money Deposit (EMD)

Earnest Money Deposit amounting to **Rs 31.50 Lakhs** (Rupees Thirty One Lakhs Fifty Thousand) only in the form of Demand Draft/Banker's Cheque/Bank Guarantee favoring "**State Health Society, Assam**". In case of BG, the same shall be valid for 120 days. Earnest Money Deposit in any other form will not be accepted. Earnest Money Deposit will not earn any interest. The Earnest Money Deposit of the successful Bidder may, at the discretion of Tender Inviting Authority be adjusted towards the Security Deposit payable by the Bidder.

C. Constitution of Company of Bidder:

Documentary evidence regarding constitution of the company /concern such as Memorandum & Articles of Association, Partnership Deed etc. with details like Name, Address, Telephone Number, Fax Number, E-mail Address of the firm

with names of the Managing Director / Partners / Proprietor.

D. **Manufacturing License of Principal Manufacturer:**

Attested photocopy of valid Manufacturing License duly issued by the Licensing Authority for the products quoted.

E. **Import License of Bidder:**

Attested copy of Import License, if the products are imported. The license must have been renewed up to date. A copy of a valid license for the sale of the products imported by the firm issued by the licensing authority shall also be enclosed.

F. **Power of Attorney of Bidder:**

Attested copy of instruments such as Power of Attorney, Resolution of Board etc., authorizing an officer of the bidding firm to submit their bids. Such authorized officer should sign the bid documents.

G. **Undertaking of Bidder:**

Undertaking in the form at **Annexure-I**

H. **Manufacturer's Authorization**

Authorization letters from all the manufacturers concerned in the format at **Annexure -II**. Bids without authorization letters will be disqualified.

I. **CE/US FDA, ISO, OHSAS Certificates**

i) Attested copies of valid **CE/US FDA Certificate** (only of manufacturers whose products have been offered) for Hospital Equipments and Instruments.

ii) Attested copies of valid ISO 9001:2000/ISO 14001:2004 certificates (of manufacturers whose products have been offered) for Hospital Equipments and Instruments

iii) Attested copies of valid OHSAS 18001:2007 certificate (of manufacturers whose products have been offered) for Hospital & Office Furniture and Fixtures.

iv) Attested copies of valid ISO 9001:2000/ISO 14001:2004 certificate (of manufacturers whose products have been offered) for Hospital & Office Furniture and Fixtures.

v) Attested copies of valid ISO 9001:2000 certificate (of manufacturers whose products have been offered) for Surgical Hollow Wares.

J. **Annual Turnover**

Annual turnover statement from sales of Hospital Furniture/Fixtures/ Equipments/Instruments for 3 years i.e., 2010-11, 2011-12 & 2012-13 in the format given in **Annexure-III A and Annexure-III B** certified by the Auditor/Chartered Accountant. **It is to be noted that such statement of both the bidder and the manufacturer (in case the bidder is not a manufacturer) must be submitted.**

K. **Execution of similar contracts of Bidder:**

- I. Details of supplies (Hospital Furniture & Fixtures/Equipments & Instruments) made during the last 3 financial years with summary of Purchase Orders and Performance Certificates issued by clients in the specified format (Refer **Annexure IV**). Items supplied to Govt. institutions and to programs sponsored by WHO, UNICEF etc., if any, during the last 3 years should be highlighted. Copies of orders/performance certificates including one single order of value at least Rs 2.00 Crores executed during the last 3 years should be submitted.

L. **Sales Tax Clearance Certificate of Bidder:**

Sales Tax Clearance certificate, as on 31st March of last financial year (as per format at **Annexure-V**).

M. **Undertaking for providing of logo of Bidder:**

Undertaking (as per **Annexure-VI**) for embossment of NRHM Assam logo on all items.

N. **Details of Manufacturing Unit of manufacturer**

Details of Manufacturing Unit as per **Annexure-VII**. The details containing the name & address of the premises where the items are actually manufactured.

O. **List of Items Quoted /Technical Compliance Statement**

The List of items quoted shall be furnished as per **Annexure – VIII A** (separately for each Group). The list shall specifically indicate manufacturer's name along with warranty period offered for each item. Technical Compliance Statement should also be submitted as per **Annexure – VIII B** (separately for each Group).

P. **Undertaking on Fraud & Corruption of Bidder:**

Undertaking on fraud and corruption in the format at **Annexure-IX**

Q. **Agreed Terms & Conditions of Bidder:**

Agreed Terms & Conditions as per **Annexure X**.

R. **Signature & Seal on each page**

The tender document signed by the Bidder in all pages with office seal.

S. **Checklist of documents**

A Checklist (**Annexure-XI**) for the list of documents enclosed with their page number. The documents should be serially arranged as per this **Annexure-XI** and should be securely tied or bound.

The above documents should be sealed in a separate cover super scribed as "**TECHNICAL BID, COVER "A" (TENDER FOR SUPPLY OF HOSPITAL FURNITURE, EQUIPMENTS ETC DUE ON 23/01/2014)**" and addressed to the Mission Director, National Rural Health Mission, Assam. Saikia Commercial Complex, Srinagar Path, Christian Basti, G S Road, Guwahati-781005

7. **PRICE BID - COVER "B"**

Cover "B" shall contain the Price Bids separately for Group A, Group B, Group (C), Group (D), Group (E) & Group (F) in the formats at Annexure XII (A), Annexure XII (B), Annexure XII (C), Annexure XII (D), Annexure XII (E), Annexure XII (F) respectively of the Tender.

A. **Signature & Seal on each Page**

Each page of the Price Bid should be duly signed by the Bidder affixing the office seal.

B. **Signature on corrections**

Bid should be typewritten and every correction in the bid should be attested with full signature by the Bidder, failing which the bid will be ineligible. Corrections done with correction fluid should also be duly attested.

C. **Items Quoted & Rates**

The Bidder shall fill up the Annexure XII (A), Annexure XII (B), Annexure XII (C), Annexure XII (D), Annexure XII (E), Annexure XII (F) for items quoted.

D. **Landed Cost**

The rate quoted per unit or landed price in **Annexure-XII** shall be inclusive of excise duty, sales tax, packaging charge, freight, Insurance etc. The component of VAT/Sales Tax should also be shown separately.

E. **Unit Size/ Rate**

The rate quoted in **Annexure-XII (A), (B), (C), (D), (E) & (F)** should be for a unit and given specification. The Bidder is not permitted to change / alter specification or unit size given in the **Annexure-XIII**.

The above documents should be sealed in a separate cover superscribed as "**PRICE BID, COVER "B" (TENDER FOR SUPPLY OF HOSPITAL FURNITURE, EQUIPMENTS ETC DUE ON 23/01/2014)**" and addressed to the Mission Director, National Rural Health Mission, Assam. Saikia Commercial Complex, Srinagar Path, Christian Basti, G S Road, Guwahati-781005

The two separately sealed covers {Technical bid (Cover "A") and Price Bid (Cover "B")} shall be placed together inside another cover which shall be sealed and superscribed as "TENDER FOR SUPPLY OF HOSPITAL FURNITURE, EQUIPMENTS ETC DUE ON 23/01/2014" and addressed to the Mission Director, National Rural Health Mission, Assam. Saikia Commercial Complex, Srinagar, G S Road, Guwahati-781005

8. **OPENING OF COVER "A" AND COVER "B" OF TENDER**

- A. All bidders are entitled to be present at the date and time of opening of Technical Bid - Cover "A".
- B. Only those bidders whose Technical Bids are found to be acceptable after technical and commercial evaluation will be invited to be present at the date and time of opening of Price Bid - Cover "B" of the tender. The price bids of tenderers not found technically qualified shall not be opened.

9. **VALIDITY OF BID:**

Bids shall remain valid for acceptance for a period of 90 days after opening of Technical Bid i.e. Cover 'A'. Bids with shorter validity shall be rejected. Purchaser may solicit bidders consent to an extension of validity period. A bidder may refuse extension request without forfeiting the EMD.

10. **VALIDITY OF OFFER OF SUCCESSFUL BIDDER:**

The validity of offer of the successful bidder shall be at least 02(two) years from the date of finalization of the order and the successful bidder will be bound to supply the items at agreed rates and terms during this period. This validity period may be further extended with mutual consent.

11. **OTHER CONDITIONS**

A. **Item Details & Quantity**

Specifications & Details of Items are shown in **Annexure-XIII (A), (B), (C), (D), (E) & (F)**. The quantity mentioned is only the tentative requirement and may increase or decrease as per requirement of Tender Inviting Authority. The rates quoted should not vary with the quantum of the order or the destination.

B. **Firm Rates**

Firm Rates (inclusive of Excise Duty, Sales Tax, transportation, insurance, PACKAGING/INSTALLATION & TRAINING CHARGES AT SITE and any incidental charges) should be quoted for each of the required Hospital items on door delivery basis according to the units ordered. Tender for supply of Hospital items with conditional/variable rates shall not be accepted. Handling, clearing, transport charges etc., will not be paid separately. The delivery should be made as stipulated in the purchase order placed with the successful bidders. The rates quoted and accepted will be binding on the

Bidder for the stipulated period and any increase in the price will not be entertained till completion of the tender period.

C. **Unit Rate & Total Value**

Each bid must contain not only the unit rate but also the total value of each item quoted for supply in the respective columns. The aggregate value of all the items quoted in the tender shall also be furnished.

D. **Controlled Price/MRP**

The price quoted by the bidders shall not, in any case, exceed the controlled price, if any, fixed by the Government and the Maximum Retail Price (MRP). During the period of contract with the successful bidder, if the price of any item is reduced due to any reason including any Law or Act of the Central/State Government, the bidder shall be statutorily bound to intimate the reduced rates immediately to the Tender Inviting Authority and shall charge the reduced rates. The Tender Inviting Authority is empowered to unilaterally effect such reduction as is necessary in rates, in case the bidder fails to notify or fail to agree to such reduction in rates.

E. **No Revision/Correction of Rates**

No Bidder shall be allowed at any time on any ground whatsoever to claim revision or modification in the rates quoted by him. Representation to make correction in the tender documents on the ground of clerical error, typographical error, etc., committed by the bidders in the Bids shall not be entertained after submission of the bids.

F. **Firm Delivery Schedule**

Firm delivery schedule shall be mentioned in the bid. Cross conditions such as "SUBJECT TO AVAILABILITY" "SUPPLIES WILL BE MADE AS AND WHEN SUPPLIES ARE RECEIVED" etc., will not be considered under any circumstances and the tenders of those who have given such conditions shall be treated as incomplete and will be summarily rejected.

G. **Execution of Order**

Unless otherwise specified, supplies should be made directly by the successful bidder and not through any other agency.

H. **Inspection**

Tender Inviting Authority or his authorized representative has the right to inspect the factories of bidders, at any point of time and also has the right to reject the tender or terminate / cancel the orders, based on adverse reports brought out during such inspections. The Bidder shall extend all facilities to the team to enable them to inspect the manufacturing process, quality control measures adopted etc., in the manufacture of the items quoted/ordered.

12. ACCEPTANCE OF TENDER

A. Tender Evaluation

Tenders will be evaluated with reference to technical and commercial parameters to determine the technically qualified bidders for all Groups. The technically qualified bidders for Group E items shall have to demonstrate the following products for inspection and final assessment of quality:

“Labour Table, Examination Couch, Hospital Bed with Mattress, Hydraulic OT Table, Instrument Cabinet, Semi Fowler Bed, Bedside Locker, Foot Step (Double), Mayo’s Instrument Trolley, Field Type OT Table, Instrument Trolley”

In the event any of the above products demonstrated by a technically qualified bidder in Group E is found to be deficient in terms of quality, the offer of such bidder shall be declared as technically not acceptable. Based on such assessment the final list of technically qualified bidders for Group E items shall be drawn up.

Price Bids of technically qualified bidders will be evaluated with reference to the quoted rates (landed price of each item). Conditional discounts shall not be taken into account for price comparison. The total value of each item in a particular group will be added to determine the overall lowest price. The bidder quoting the overall lowest price in a particular Group shall be ranked as the L1 bidder for that group.

B. Right to Reject Tender

Tender Inviting Authority reserves the right to accept the tender or to reject the whole tender for the supply of all items of Hospital Furniture, Fixtures, Equipments & Instruments tendered at any point of time without assigning any reason.

C. Tender Acceptance

The acceptance of the tenders will be communicated to the successful bidders in writing.

13. AGREEMENT

The successful Bidder shall execute an agreement in the form at **Annexure XIV** on a non-judicial stamp paper of value of Rs.100/- (stamp duty to be paid by the Bidder) within 10 days from the date of the intimation from Tender Inviting Authority informing that his tender has been accepted.

14. NON ASSIGNMENT

The Bidder shall not, at any time, assign, sub-let or make over the contract or the benefit thereof or any part thereof to any person or persons, whatsoever.

15. COMMUNICATION

All notices or communications relating to or arising out of an agreement or

any of the terms thereof shall be considered duly served on or given to the Bidder if delivered to him or left at his premises, places of business or abode.

16. SECURITY DEPOSIT

The successful bidder, within 10 days of signing of the agreement, shall be required to submit Security Deposit of 5 % of the order value in the form of bank guarantee from any Indian scheduled bank in favour of the Tender Inviting Authority valid for the entire warranty period. However, if the supplier fails to execute the order or fails to perform the services as per agreement, in addition to other penal actions, the bank guarantee shall be encashed and the amount will be forfeited.

17. SUPPLY & SERVICE CONDITIONS

A. Purchase Order

Purchase order will be placed on the successful Bidder at the discretion of the Tender Inviting Authority.

B. Specifications & Quality

The items supplied by the successful Bidder shall be of the best quality and shall comply with the specifications, stipulations and conditions specified at **Annexure-XIII (A), (B), (C), (D), (E) & (F)**

C. Warranty Provisions

The successful bidder (Supplier) warrants that the goods supplied under the contract/purchase order are new, unused, or the most recent of current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract. The Supplier further warrants that the goods supplied under the 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.

- i. The warranty shall be valid for the period mentioned in the Technical Specification.
- ii. Up gradation of all software shall be done free of cost during the warranty period.
- iii. The warranty should be as per the period mentioned in the Technical Specification.
- iv. The Tender Inviting Authority (Purchaser) shall notify the supplier in writing of any claims arising under this warranty.
- v. Upon receipt of such notice, the supplier shall, with all reasonable speed, repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter.
- vi. If the Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without

prejudice to any other rights which the Purchaser may have against the Supplier under the contract.

- vii. The warranty for defective parts will begin de novo from the date of replacement. Supplier will pay taxes/duties and all expenses up to the destination for the replaced part.
- viii. During the warranty period, the desired uptime of 95% of 365 days on a 24 hours basis shall be ensured.

i. Delivery Period

The supply should commence within 30 (thirty) days from the date of order and should be completed within 90 (days) maximum, unless otherwise specified in the order.

ii. Delivery Point/Destination

The items shall be delivered at the District Drug Ware Houses or Health Institutions in different districts of Assam as per the list furnished along with the order or according to instructions given separately with reference to the order.

iii. Penalty for Delayed Delivery

- (i) In case there is delay in delivery beyond the stipulated period as mentioned in the purchase order, there shall be reduction in price @ 0.5% of the value of delayed goods per week of delay or part thereof subject to a maximum of 10% of the total order value.
- (ii) Once the maximum price reduction is reached, termination of the contract may be considered. Non-performance of the contract provisions shall make the successful bidder liable to be disqualified to participate in any tender for the next 5 years, in addition to forfeiture of Security Deposit and other penal actions.

iv. Alternative Purchase

If the successful Bidder fails to execute the order within the stipulated time, the Tender Inviting Authority will be at liberty to make alternative arrangements for purchase of the items, from any other source or from the open market, at the risk and cost of the supplier. This would be in addition to any other penalties including forfeiture of security deposit.

G. Shortage and Damage

It shall be the responsibility of the successful Bidder for any shortages/damages at the time of receipt in Warehouse/Institution. Tender Inviting Authority is not responsible for the items received, for which no order is placed.

G. Comprehensive Maintenance

The successful bidder (Supplier) for items in Group A, Group B, Group C & Group D shall provide post warranty Comprehensive Annual Maintenance

Contract (CAMC) service for a period 3 years from the date the warranty is over. The CAMC amount shall include cost of labour, spare parts and consumables required for repair and maintenance of equipments. The scope of work during the CAMC period shall include, inter-alia, the following:

- i) To ensure 95 % uptime of the equipments.
- ii) To upgrade software free of cost.
- iii) To undertake 4 preventive maintenance service in a year.
- iv) To attend to breakdown calls within 24 hours of reporting a fault.

18. FORCE MAJUERE

The above conditions of delivery period, price reduction etc. are subject to force majeure conditions which are beyond the control of the supplier, do not involve fault or negligence of the supplier and are not anticipated. Such events may include but are not limited to riots, mutinies, war, fire, storm, tempest, flood, earthquakes, epidemics, or other exceptional causes like quarantine restrictions, freight embargoes. On specific request made by the bidder the time period of supply may be extended by the purchaser at his discretion for such period as may be considered reasonable. However, the condition shall not include scarcity of raw materials, power cut, labour dispute, failure of sub-vendor and increase in cost of raw material.

19. FRAUD & CORRUPTION:

The bidders, suppliers & contractors shall observe the highest standard of ethics during bidding and during performance of the contract. For the purposes of this provision, the following acts shall be considered as corrupt and / or fraudulent practices -

1. "Corrupt Practice" means offering, giving, receiving, or soliciting directly or indirectly, of anything of value to influence the action of an official in the procurement process or in contract execution.
2. "Fraudulent Practice" means misrepresentation or omission of facts in execution of contract.
3. "Collusive practice" means a scheme or arrangement between two or more bidders, with or without the knowledge of the purchaser, designed to establish bid prices at artificial, non-competitive level.
4. "Coercive Practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process or in execution of a contract.

During the process of evaluation of a bid or proposal for award of a contract, if it is detected that a bidder directly or through agent has engaged in corrupt, fraudulent, collusive or coercive practice in competing for the contract in question, then a) the bid shall be rejected and b) declare the firm ineligible for a specific period or indefinitely to participate in a bidding process. However, if any such practice is detected at any subsequent stage or during execution of the contract, the Tender Inviting Authority will exercise the right to cancel the contract and make suitable alternative arrangement at the risk and cost of such offending bidder.

20. LOCAL CONDITIONS:

It will be imperative on each bidder to fully acquaint himself of all local conditions and factors that would have any effect on performance of the Contract. The Tender Inviting Authority shall not entertain any request for clarifications from the bidder regarding such local conditions nor shall accept any offer conditional to the local factors. No request for any change of price or extension of time schedule of delivery of goods shall be entertained after acceptance of bids.

21. LOGOGRAMS

- A. Tenders for the supply for furniture, equipments etc., shall be considered only if the Bidder gives undertaking in his tender that the items will be supplied with the logogram either printed or embossed or affixed as specified.
- B. Failure to supply furniture, equipments etc., without the logogram will be treated as breach of the terms of agreement.

22. PACKING

- A. Packing should be sound and be able to prevent damage or deterioration during transit.
- B. In the event the items supplied are found to be damaged or defective the Tender Inviting Authority will be at liberty to make alternative purchase of the items for which the Purchase orders have been placed from any other source or from the open market at the risk and the cost of the supplier.

24. PAYMENT PROVISIONS

Payments towards the supply of items will be made strictly as per rules of the Tender Inviting Authority. Full payment will be released only after completion of supply/installation of entire ordered quantities. The payments for CAMC service will be made on yearly basis after satisfactory performance of service each year.

- A. On completion of supply of supplied quantities, invoices with challans along with installation reports (certified by the Head of the Health Institution) and warranty certificates should be submitted in triplicate, addressed to the Tender Inviting Authority. For payment towards CAMC, invoices along with quarterly service reports (certified by the Joint Director, Health Service of the district or an authorized official) should be submitted in triplicate, addressed to the Tender Inviting Authority.
- B. If at any time during the period of contract, the price of tendered items is reduced or brought down by any law or Act of the Central or State Government or by the Bidder himself, the Bidder shall be bound to inform Tender Inviting Authority immediately about such reduction in the contracted prices. Tender Inviting Authority is empowered to unilaterally effect such reduction as is necessary in rates in case the Bidder fails to notify or fails to agree to such reduction in rates.
- C. In case of any enhancement in excise duty/ Tax due to notification of the

Government after the date of submission of tenders and during the validity period of contract, the quantum of additional excise duty so levied will be allowed to be charged extra as a separate item without any change in price structure of the items approved under the tender. For claiming the additional cost on account of the increase in excise duty, the bidder should produce a letter from the concerned Excise Authority for having paid additional Excise Duty on the goods supplied to Tender Inviting Authority and also must claim the same in the invoice separately.

- D. Tender Inviting Authority has every right to receive supply even after expiry of contractual delivery date and in such case; price reduction as specified under Clause No. 17 E will be applicable.
- E. If the supply is received in damaged condition it shall not be accepted. In case of damage in the packing, the supply will be accepted only after levying penalty as decided by the Tender Inviting Authority on the total value of supply to that particular warehouse/institution.

25. ANNULMENT OF AWARD, FORFEITURE OF SECURITY DEPOSIT & FRESH AWARD

Failure of the successful bidder to comply with the requirements of signing of agreement and / or submission of performance security within the time schedule as stipulated above shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security/EMD. Under such a situation, the proposal may be reviewed for award of the contract on the next lowest evaluated technically qualified bidder or go for a fresh bid depending on the circumstance. In case it is decided to go for the next lowest bidder, negotiation may be considered to bring down their price nearer to the originally evaluated lowest bidder.

26. NON CONFORMANCE, TERMINATION & PENALTIES

- A. If the items do not conform to specifications, the same shall be taken back by the supplier at the supplier's cost within a period of 30 days of the receipt of the letter/notice from the Tender Inviting Authority. If the supplier fails to take back the items within the stipulated time, the Tender Inviting Authority will have the right to dispose-off such ITEMS NOT CONFORMING TO SPECIFICATIONS. Tender Inviting Authority may also levy storage charge calculated at the rate of 2% per week on the value of the item rejected till such disposal. The decision of the Tender Inviting Authority or any officer authorized by him on the quality of the items supplied shall be final and binding.
- B. In case of supply of inferior products or products not conforming to specifications, the Tender Inviting Authority will be at liberty to terminate without assigning any reasons thereof the contract either wholly or in part on 30 days notice. The supplier will not be entitled for any compensation whatsoever in respect of such termination.
- C. For infringement of the stipulations of the contract or for other justifiable reasons, the contract may be terminated by the Tender Inviting Authority, and the supplier shall be liable for all losses sustained by the Tender Inviting

Authority, in consequence of the termination which may be recovered personally from the supplier or from his properties, as per rules.

- D. Non performance of any of the contract provisions will disqualify a firm to participate in tenders issued by the Tender Inviting Authority for the next five years.
- E. In the event of making ALTERNATIVE PURCHASE, the supplier will be imposed penalty apart from forfeiture of Security Deposit. The excess expenditure over and above contracted prices incurred by the Tender Inviting Authority in making such purchases from any other source or from the open market shall be recovered from the Security Deposit or from any other money due to the supplier and in the event of such amount being insufficient, the balance will be recovered personally from the supplier or from his properties, as per rules.
- F. In all the above conditions, the decision of the Tender Inviting Authority shall be final and binding.

27. ARBITRATION

Any dispute whatsoever in any way arising out of or relating to the contract shall be referred to arbitration of the Mission Director, National Rural Health Mission, Assam or to the sole arbitration of some person nominated by him. There shall be no objection if the arbitrator so appointed happens to be an employee of National Rural Health Mission, Assam. The award of the arbitrator shall be final, conclusive and binding on all parties.

28. SAVING CLAUSE

No suit, prosecution or any legal proceedings shall lie against Tender Inviting Authority or any person for anything that is done in good faith or intended to be done in pursuance of tender.

29. LAWS GOVERNING THE CONTRACT & JURISDICTION

The contract shall be governed by the laws in force in India. In the event of any dispute arising out of the tender such dispute would be subject to the jurisdiction of the Court within the State of Assam only.

ANNEXURE I
UNDERTAKING (by the Bidder)

To

Mission Director,
National Rural Health Mission, Assam

Tender No. _____
For supply of _____

Sir,

1. I, Shri _____, on behalf of M/s _____ having registered office at _____, do hereby declare that I have gone through the terms and conditions mentioned for the above and undertake to comply with all tender terms and conditions. The rates quoted by me/us are valid and binding on me/us for acceptance for a period of one year from the date of award of contract to us.
2. I/We undersigned hereby bind myself/ourselves to the Office ofto supply The rates quoted by me/us for the items tendered for are specified against each. It is certified that rates quoted are lowest quoted for any institution in India and not higher than the MRP/ prevailing market rate.
3. The articles shall be strictly as per specification and of the best quality as per requirement of the institution. The decision of the Office of (Hereinafter called the said Purchaser) as regards to the quality and specification of article shall be final and binding on me/us.
 - a) Authorization from Manufacturer:- We shall furnish authorization from the manufacturer legally enforceable undertaking to the Purchaser in appropriate format obligations valid for a periodyears from the date of supplied equipment.
4. We agree to the conditions of the tender under which the EARNEST MONEY DEPOSIT and PERFORMANCE SECURITY DEPOSIT shall be forfeited by us.
5. We hereby undertake to pay the **penalty** as per the terms and conditions of the contract for delayed supply of the ordered items.

6. We agree to accept the amount of the bill to be paid by the purchaser after completion of all formalities and should any amount of the bill found by the purchaser/auditors to have been over-paid; the amount so found shall be refunded by me/us.
7. We hereby undertake to supply the items during the validity of the tender as per direction given in supply order within the stipulated period.
8. The tender inviting authority has the right to accept or reject any or all the tenders without assigning any reason.
9. We understand all the terms and conditions of the contract and bind myself/ourselves to abide by them.
10. We hereby declare that there is no vigilance/CBI or court case pending/contemplated against us at the moment.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE -II

MANUFACTURER'S AUTHORIZATION FORM (issued by the Manufacturer)

NO.

DATED

To,

Mission Director
National Rural Health Mission, Assam

Tender No.

Respected Sir,

We _____ who are established and reputable manufacturers of _____ having factories at _____ registered office at _____ possessing manufacturing License No. _____ dated _____ Valid up to _____ hereby authorize _____ (name and address of representative and firm), to submit a bid and subsequently negotiate and sign the contract with you against the above mentioned tender for the following items quoted.

- 1.
- 2.

We hereby certify that the Machine / spare parts do not contain any recycled or reconditioned parts or components

We hereby extend our full guarantee and warranty as per clauses of contract for the goods offered for supply against this Invitation for Bid by the above firm.

(Attach Separate sheet if necessary)

SIGNATURE _____ :

NAME & DESIGNATION _____ :

ANNEXURE-III A

ANNUAL TURNOVER STATEMENT OF THE BIDDER

The Annual Turnover of M/s _____ for the past three financial years are given below and certified that the statement are true and correct.

Sl No.	Year	Turnover in Lakhs
1.	2010-11	
2.	2011-12	
3.	2012-13	
	Total	- Rs. _____ Lakhs
	Avg.	- Rs. _____ Lakhs

Date :

Seal :

Signature of Auditor / Chartered
Accountant
(Name in Capital Letters)

ANNEXURE-III B

ANNUAL TURNOVER STATEMENT OF THE MANUFACTURER

The Annual Turnover of M/s _____ for the past three financial years are given below and certified that the statement are true and correct.

Sl No.	Year	Turnover in Lakhs
1.	2010-11	
2.	2011-12	
3.	2012-13	
	Total	- Rs. _____ Lakhs
	Avg.	- Rs. _____ Lakhs

Date :

Seal

Signature of Auditor / Chartered
Accountant
(Name in Capital Letters)

ANNEXURE-IV
Performance Statement (of the Bidder)

Tender No:

Sl.	Name of the product (only for Hospital Furniture, Fixtures, Equipments, Instruments, Hollow Wares)	Year	Qty supplied	Value	Name and full address of the purchaser
	1	2	3	4	5
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

(Please use additional sheets if required)

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE-V

CERTIFICATE OF SALE TAX VERIFICATION TO BE PRODUCED BY AN APPLICANT

(To be filled by the applicant)

- 01.** Name or style in which the applicant is assessed or assessable to Sales Tax Addresses or assessment
- 02.** a. Name and address of all companies, firms or associations or persons in which the applicant is interested in his individual or fiduciary capacity.....
.....
b. Places of business of the applicant (All places of business should be mentioned)
.....
- 03** The Districts, taluks and divisions in which the applicant is assessed to Sales Tax (All the places of business should be furnished).
.....
.....
- 04** a. Total contract amount in the preceding three years.
i. 2010-11
ii. 2011-12
iii. 2012-13
- b. Particulars of Sales Tax for the preceding three years.

Year	Total T.O. be assessed Rs.	Total Tax Assessed Rs.	Total Tax paid Rs.	Balance Due Rs.	Reasons for balance Rs.
2010-11					
2011-12					
2012-13					

- c.** If there has been no assessment in any year, whether returns were submitted any, if there were, the division in which the returns were sent.
- d.** Whether any penal action or proceeding for the recovery of Sales Tax is pending
- e.** The name and address of Branches if any:

I declare that the above mentioned information is correct and complete to the best of my knowledge and belief.

SIGNATURE :
NAME & DESIGNATION :
DATE :
NAME & ADDRESS OF THE FIRM

Enclosure of ANNEXURE-V

(To be issued by the Sales Tax Assessing Authority)

In my opinion, the applicant M/s..... has been / has not been / doing everything possible to pay the Tax demands promptly and regularly and to facilitate the completion of pending proceedings.

Date Seal : Deputy / Asst. Commercial Tax Officer

Note : Separate certificates should be obtained in respect of each of the place of business of the applicant from the Deputy Commercial Tax officer or Assistant Commercial Tax Officer having jurisdiction over that place.

ANNEXURE-VI

Tender No:

UNDERTAKING FOR EMBOSSEMENT OF LOGO

We M/s do hereby declare that, if favored with an order, we will supply the Hospital Furniture/Fixtures/Equipments/Instruments/Hollow Wares embossed with NRHM Logo and the words "NRHM ASSAM SUPPLY" or as per any other instructions given in this regard.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :



LOGOGRAM

ANNEXURE – VII

Declaration on Manufacturing Facilities by the Manufacturer

Tender No. _____

For supply of _____

1. Name of the manufacturer :
 2. Full Postal Address :
 3. Telephone No. /Fax No. :
 4. Email address :
 5. Date of inception of business :
 6. Registration no. & Date :
 7. Issued by :
 8. Valid till :
 9. Details of manufacturing activity & item wise capacity :
 12. Name of Govt. Departments/ Pvt. Institutions : As per enclosure to which the bidder already supplied the items with quantity value and supply period
 18. Has the bidder ever been black listed by any govt. agency? If yes, give details. :
 14. Are any cases pending in the court related to any supplies? If yes, give details :
 15. Does the firm have the adequate facilities for Inspection and quality control? Please give details :
- I, _____ Prop./partner/Director of M/s

Hereby declare that the information given in this form is true and correct to the best of my knowledge & belief.

I/we agree to the tender Inviting Authority forfeiting the Earnest Money Deposit and/or Performance Security Deposit and blacklisting us for a period of 5 years, if any information furnished by us is proved to be false at the time of inspection and non – compliance with terms and conditions

of the contract

I offer to supply the items mentioned in the schedule (enclosed in price bid) at the rates quoted therein. I agree to hold this offer for one year after finalization of rate contract.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE MANUFACTURER :

★ The details of manufacturing unit shall be for the premises where items quoted are actually manufactured.

Annexure –VIII A
List of items quoted

(To be submitted separately for Group A, Group B, Group C, Group D, Group E & Group F)

Tender No. _____

List of items Group A (X-Ray)/ Group B (USG)/ Group C (Ventilators)/ Group D (Equipments)
/Group E (Furniture & Fixture) & Group F (Instruments)

Sr. No.	Description of Items Group ()	Manufacturer's Name	Warranty Period in Years	Price Quoted/ Not Quoted	Technical Specifications Attached/Not Attached

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

Annexure –VIII B

Technical Compliance Statement

(To be submitted separately for Group A, Group B, Group C, Group D, Group E & Group F)

Tender No._____

Sr. No.	Name of the Item Group()	Technical Specifications as per Tender (Annexure-XIII)	Technical Specifications quoted by the bidder	Deviations, if any

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE IX

UNDERTAKING ON FRAUD & CORRUPTION (for bidder)

We do hereby undertake that, in competing for (and, if the award is made to us, in executing) the subject contract for supply of **Hospital Furniture/Fixtures/Equipments/Instruments** under tender reference no we shall strictly observe the terms and conditions against fraud and corruption in force in the country.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE- X
NATIONAL RURAL HEALTH MISSION, ASSAM

AGREED TERMS & CONDITIONS

Tender No. & Date _____

A. Details of Bidder

Bidder Name:

Offer Ref:

Telephone No:

Fax No:

Contact Person:

Signature:

E-mail:

B. Definitions

1. "Purchaser" means the Mission Director, National Rural Health Mission, Assam or his authorized representative.
2. "Bidder" means a person or firm or company who has made an offer for supply of goods and /or service as per tender.
3. "Vendor" or "Supplier" means a person or firm or company, to whom the order is addressed for supply of goods and /or services.
4. "Site" means the premises of the purchaser or any other place as decided by the Purchaser.

NOTE: The questionnaire below must be duly filled in and should be enclosed with un-priced Technical Bid, (Cover A). Clauses confirmed here under should not be repeated. All commercial terms and conditions should be indicated in this format. If necessary, details including deviations to the terms and conditions of the bid document, if any, should be enclosed as annexure to this questionnaire.

Sl. No.	Description	<u>Vendor's Confirmation</u> (Confirmed/Noted/Deviation furnished separately)
	C. Technical	
1.	Confirm that you meet the eligibility criteria as per bid document and have furnished relevant documents.	
2.	Confirm acceptance of Technical Specification and scope of supply as per Tender Document.	
3.	In case of deviations, confirm that the same have been highlighted separately.	
4.	Confirm that literature and technical data, wherever applicable, have been enclosed.	
5.	Confirm that all certificates/ documents furnished.	
6.	Confirm that Earnest Money Deposit (EMD) as per bid document has been furnished in Cover A	
	D. Commercial	
1.	It is noted that any deviations to the commercial terms and conditions shall lead to loading of prices or rejection of offer.	
2.	Confirm that the quoted landed price is inclusive of cost of containers, packing & forwarding charges, freight, insurance and all duties and taxes viz. Excise Duty, Sales	

	Tax/VAT.	
3.	Confirm furnishing of price break-up of each item showing basic price of item and Tax/VAT on %age of basic price to arrive at landed price in D2 above.	
4.	It is noted that the statutory variations in taxes and duties within the contractual delivery period shall be borne by the purchaser.	
5.	If there is any variation or fresh imposition of Excise Duty at the time of supply due to various reasons, including turn-over, confirm that the same shall be borne by supplier.	
6.	If clause 5 above is not acceptable, advice maximum possible rate of additional ED chargeable; this shall be loaded to your price.	
7.	Confirm that in case any new or additional duties and taxes are imposed after the contractual delivery date due to delays attributable to the supplier the same shall be borne by the supplier. This will be in addition to Price Reduction for Delay in Delivery.	
8.	Confirm acceptance of Price Reduction Schedule for delay in delivery @ 0.5% of delayed value of goods per week of delay or part thereof subject to maximum of 10% of the total order value.	
9.	Confirm acceptance of Delivery Period as indicated under clause 17 (c) of the bid document.	
10.	Confirm acceptance of relevant payment terms specified in the bid document.	
11.	It is noted that delivery period, price reduction, termination etc are subject to Force Majeure Condition as stipulated in the bid document.	
12.	Confirm that the quoted prices are in Indian Rupees and shall remain firm & fixed till complete execution of the order.	
13.	a) In case you are a manufacturer confirm that the prices quoted are not higher in any respect than MRP b) In case you are a dealer/ distributor / authorized agent, confirm that the prices quoted are as per manufacturer's price list with appropriate discount (Copy of Price list to be enclosed).	
14.	Packing / forwarding, transportation, loading/unloading and insurance are supplier's responsibility. However, to protect the items from physical damages and/or deterioration due to weather during transit, supplier to ensure proper packing & handling arrangement. Please confirm compliance.	
15.	Confirm that security deposit of 5 % of the total order value in the form of a Bank Guarantee from a nationalized Bank shall be furnished, which will be valid for a period of 6 months from the date of order.	
16.	a) Confirm that all inspection & testing charges including 3 rd party inspection (if required) included in the price. b) Quality Control Reports and Test Certificates, whenever applicable, shall be handed over to the purchaser along with the equipment.	

17.	a) Confirm that erection, commissioning, trial run and handing over to the purchaser, after successful commissioning is your responsibility at no extra cost. b) Specify facilities (if any), like water supply/ electric power to be provided by the purchaser for commissioning of the equipment.	
18.	Packing / forwarding, transportation, loading/ unloading and insurance are your responsibility. However, to protect the equipment from physical damages and/or deterioration due to weather during transit, you are to ensure proper packing & lifting arrangement. PI confirm compliance.	
19.	The material / equipment shall be guaranteed against any and all defects in design, workmanship, material & performance for a period shown in the Technical specification, from the date of commissioning and handing over to the purchaser. Should any defect detected or develop during the guarantee period, it shall be remedied promptly free of cost by the supplier and all expenses including transportation of goods necessitated for such repair and replacement shall be done by the supplier. PI confirm acceptance.	
20.	Confirm acceptance of Repeat order within 12 months from the date of initial order at same price and terms & conditions.	
21.	In case of material having shelf life, confirm that you have declared the same with the expiry date. Also confirm that such materials shall be dispatched within 30 days from the date manufacture.	
22.	It is noted that the purchaser would disown any responsibility / liability towards irregularity, contravention or infringement of any statutory regulations including those of patent, on manufacture or supply of goods covered by the order.	
23.	Terms & Conditions indicated in this format shall not be repeated in the bid. Terms & Conditions indicated elsewhere and contradicting those in this format shall be ignored. Confirm compliance.	
24.	Confirm that you shall observe the highest standard of ethics during bidding and in case favoured with an order, the execution of the order will be completed, without resorting to any fraud, corruption and/or coercion.	
25.	Confirm that the offer shall be valid for a period of 90 days from the date of bid opening.	

SIGNATURE & DATE :

NAME & DESIGNATION :

NAME & ADDRESS OF THE FIRM : :

ANNEXURE-XI

CHECK LIST

Sl.	Cover A	Yes	No
1.	Court Fee Stamp/IPO & Tender Document Fee furnished		
2.	EMD in the form of DD furnished		
3.	Documentary evidence for the Constitution of the company		
4.	Duly attested / notarized copy of License issued by the competent Licensing Authority for the products quoted		
5.	Attested Photocopy of Import license if any		
6.	The instruments such as Power of Attorney, Resolution of Board etc.		
7.	Undertaking as per Annexure I		
8.	Manufacturer's Authorization as per Annexure II		
9.	Attested copy of CE/US FDA Certificate.		
10.	Attested copy of OHSAS 18001:2007 certificate for hospital equipments & instruments		
11.	Attested copy of ISO 9001:2000/ISO 14001:2004 certificates for hospital equipments & instruments		
12.	Attested copy of OHSAS 18001:2007 certificate for hospital furniture and fixtures		
13.	Attested copy of ISO 9001:2000/ISO 14001:2004 certificate for hospital furniture and fixtures		
14.	Attested copy of ISO 9001:2000 certificate for surgical hollow wares		
15.	Annual Turnover Statement for 3 years (Annexure – III A & Annexure –III B)		
16.	Performance Statement as per Annexure IV		
17.	Sales Tax Clearance Certificate as Annexure V		
18.	Undertaking for Embossment of logo as per Annexure VI		
19.	Details of Manufacturing Unit as per Annexure VII		
20.	List of items quoted with name of Manufacturer as per Annexure VIII A		
21.	Technical Compliance Statement as per Annexure VIII B		
21.	Undertaking on Fraud & Corruption as per Annexure IX		
22.	Agreed Terms & Conditions as per Annexure- X		
Sl	Cover B	Yes	No
1.	Price Bid as per Annexure XII (A) ,XII(B),XII(C),XII(D),XII(E) & X(F)		

ANNEXURE XII A
PRICE BID FOR GROUP "A" ITEMS

TENDER NO.....

Sl	Brief Description of items Group(A)	Qty. Nos.	Basic Rate per unit Rs	Tax/VAT per unit Rs	Total (For supply) Rs 3 x(4+5)	CAMC charge (for 3 years)- inclusive of al taxes Rs	Total (For CAMC) Rs 3 x7	Total (Supply+ CAMC) Rs (6+8)
1	2	3	4	5	6	7	8	9
1								
2								
3								
4								
5								

Grand Total = Rs.....
Rs (in words).....

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE XII B
PRICE BID FOR GROUP "B" ITEMS

TENDER NO.....

Sl	Brief Description of items Group (B)	Qty. Nos.	Basic Rate per unit Rs	Tax/VAT per unit Rs	Total (For supply) Rs 3 x(4+5)	CAMC charge (for 3 years)- inclusive of all taxes Rs	Total (For CAMC) Rs 3 x7	Total (Supply+ CAMC) Rs (6+8)
1	2	3	4	5	6	7	8	9
1								
2								
3								
4								
5								

Grand Total = Rs.....

Rs (in words).....

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE XII C
PRICE BID FOR GROUP "C" ITEMS

TENDER NO.....

Sl	Brief Description of items Group (C)	Qty. Nos.	Basic Rate per unit Rs	Tax/VAT per unit Rs	Total (For supply) Rs 3 x(4+5)	CAMC charge (for 3 years)- inclusive of all taxes Rs	Total (For CAMC) Rs 3 x7	Total (Supply+ CAMC) Rs (6+8)
1	2	3	4	5	6	7	8	9
1								
2								
3								
4								
5								

Grand Total = Rs.....

Rs (in words).....

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE XII D
PRICE BID FOR GROUP "D" ITEMS

TENDER NO.....

Sl	Brief Description of items Group (D)	Qty. Nos.	Basic Rate per unit Rs	Tax/VAT per unit Rs	Total (For supply) Rs 3 x(4+5)	CAMC charge (for 3 years)- inclusive of all taxes Rs	Total (For CAMC) Rs 3 x7	Total (Supply+ CAMC) Rs (6+8)
1	2	3	4	5	6	7	8	9
1								
2								
3								
4								
5								

Grand Total = Rs.....
Rs (in words).....

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE XII E

PRICE BID FOR GROUP "E" ITEMS

Tender No. _____

SL	DESCRIPTION OF ITEM Group(E)	Quantity in Nos.	Basic Rate per No. (in Rupees)	TAX/VAT (in Rupees)	Total Amount (in rupees) 3 x (4+5)	
1	2	3	4	5	6	
					In Figures	In Words

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE XII F

PRICE BID FOR GROUP "F" ITEMS

Tender No. _____

SL	DESCRIPTION OF ITEM Group (F)	Quantity in Nos.	Basic Rate per No. (in Rupees)	TAX/VAT (in Rupees)	Total Amount (in rupees) 3 x (4+5)	
1	2	3	4	5	6	
					In Figures	In Words

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE XIII A

SPECIFICATIONS & DETAILS OF ITEMS
GROUP (A)

Si No	Specifications	Qty (Nos)
1	<p><u>X-Ray Machine 100 mA with dark room accessories .</u></p> <ul style="list-style-type: none"> ➤ Counter Balanced vertical movement mechanism of Tube carriage for easier positioning. ➤ Digital Display for Input Voltage compensation, X-Ray ON and Overload Protection. ➤ LCD Display for mAs, Technic, kVp and Body Part .(In case of Digital Machines) ➤ Automatic overload Protection with visual and audible indication for longer life of theTube. ➤ Independent kVp, mAs, mA techniques selection for-better radiographic results. ➤ Microprocessor based system for accurate time selection for exposure. ➤ Expose at 220 (An actual Input Voltage) display indicates whether line voltage Compensation is to be increased or decreased. ➤ Integrated cassette box for easier cassette handling. ➤ Line Voltage Compensation from 190v to 270v. ➤ Standby Circuitry in case of any Electronic Component failure thereby ensuring maximum up time. ➤ Automatic cut off for High Input Voltage. ➤ Soft Touch keys for Body Part Selection. (In Case of Digital Machines) ➤ Beautiful Cover for Generator as a safety measures against dust. ➤ anatomical Programme Mode through that when user selects the anatomical part kVp,mA and mAs will automatically set <p>SPECIFICATIONS</p> <p>Radiographic Rating : 25mA, 50mA, 75mA & 100mA (For 100mA) At 45-100kVp in steps of 5kVp At 40-100kVp in steps of 2kVp (Digital Model)</p> <p>Tube Current : 25mA, 50A, 75mA & 100mA (For 100mA) 25mA, 40mA and 60mA (For mA)</p> <p>Tube Voltage : 45-100 kVp (Each Step of 5 kVp) 40-100 kVp (Each Step of 2kVp) (Digital Model)</p> <p>Timer : Automatic selection by Microprocessor (Using Combination of mAs& mA)</p>	10

	<p>Tube Type : Stationary Anode Tube</p> <p>Power Requirement : 220 V a.c/50Hz Single Phase (4.9 KW for 60 mA/8.0 KW for 100 mA)</p> <p>For the unit to operate safety and correctly, observe the environmental conditions specified below. In case of storing the unit for a long time, give special. consideration to ventilation at the place of storage.</p> <p>TEMPERATURE : Below 50 degrees HUMIDITY : 30 to 85% (Non Condensing)</p> <p><u>Dark Room Accessories:-</u></p> <p>X.ray developing tank S.S, 4.5, Ltrs with lid S.S, , 9, Ltrs with lid S.S, 13.5 Ltrs with lid</p> <p>Safe light X.ray dark room:- Size: 5" x 7"</p> <p>Cassettes X.ray Size: 8"x10", Size: 10" x 12" Size : 12" x 15"</p> <p>Lead Apron:-Full front side Intensifying screen X-ray Size: 8"x10", Size: 10" x 12" Size : 12" x 15"</p> <p>Half Blockers :- Size 8" x 10", 10" x 12", 12" x 15"</p> <p>X-Ray Adoption Google</p> <p>X-Ray Lead Markers</p> <p>Processing Tray</p> <p>X-Ray Film Cutter</p> <p><u>X-Ray Film Hangers</u> Size: 8"x10", Size: 10" x 12" Size : 12" x 15</p> <p><i>Warranty for 2yrs</i></p>	
2	<p>X-Ray Machine 300 mA with dark room accessories. Output:- 24 KW Tube Voltage – Radiography :- 40 kVp – 125 kVp (Each step of 2 kVp) Tube Voltage –Fluroscopy :- 40 kVp – 125 kVp (Each step</p>	40

of 2 kVp)
Tube Current : Small Focus : 50mA , 100 mA
Large Focus :- 200 mA , 300 mA
mAs Rating: 2 to 500 (Each step of 2 mAs)
Technic : 50 mA, 100 mA, 200 mA, 300 mA
Timer : Automatically selected by microprocessor.
Tube Type:- Dual Focus Rotating Anod Tube.
Fluoroscopy Rating (Optional) :- 0.1-3 mA at 40 -100 kVp
Fluoroscopy Timer (Optional) :- 5 minutes cumulative with audible indication after 30 seconds.
Power Supply:- 440 V, 50/60 Hz with three to single phase transformer.
Power Requirement: - 30 KVA.
BIS 7620 Part I Approved for Mechanical & Electrical Safety.
AERB Approved for Radiation Safety.
ISO 13485:2003 & ISO 9001:2000 Manufacturing Facility.
CE Certified.

Dark Room Accessories:-

X-ray developing tank

S.S, 4.5, Ltrs with lid
S.S, , 9, Ltrs with lid
S.S, 13.5 Ltrs with lid

Safe light X-ray dark room:- Size: 5" x 7"

Cassettes X-ray

Size: 8"x10",
Size: 10" x 12"
Size : 12" x 15"

Lead Apron:-Full front side

Intensifying screen X-ray

Size: 8"x10",
Size: 10" x 12"
Size : 12" x 15"

Half Blockers :- Size 8" x 10", 10" x 12", 12" x 15"

X-Ray Adoption Google

X-Ray Lead Markers

Processing Tray

X-Ray Film Cutter

X-Ray Film Hangers

Size: 8"x10",
Size: 10" x 12"
Size : 12" x 15

Warranty for 2yrs

X-Ray Machine 500 mA with dark room accessories .

TUBE UNIT: Rotating Anode Tube Unit with Focal spot 1.2 and 2.0 Sq.mm. THX-1/125/DRA-1/20/40.

HV CABLE: Pair of 6 meter High Voltages Cables. Sleeving – Straight.

STAND: Floor to Ceiling Stand & with Counter balanced movement, 360 Degree rotatable; mounted on floor ceiling rails for convenient movements.

TABLE: Horizontal Table with Motorized Bucky & Grid with ratio 6:1

HV TRANSFORMER: Compact Heavy Duty transformer comprising HV Silicon Rectifiers, HT Transformer, Filament Transformer, Federal Bushing all immersed in oil.

GENERATOR: 500mA, 125 KVP Full Wave Silicon Rectified X-GENERATOR for Radiography, Fluoroscopy & Spot Filming. As per IS: 7620 Part-I.

RATING: RADIOGRAPHY:

Small Focus: 100mA - 40 to 125KVP

200mA - 40 to 125KVP

Large Focus: 300mA - 40 to 125KVP

400mA - 40 to 125KVP

500mA - 40 to 125KVP

STATIC BALANCER: Phase Reducing Transformer. 50 KVA- 3 Phase Transformer.

ACCESSORIES: Hand switch with Flexible long cord enables the operator to keep from the Radiation area during exposure. Aluminum Filters 1.5 mm

COLLIMETER: Light Beam Diaphragm with auto time cut off.

POWER SUPPLY REQUIRMENT: 400/440V, 3 Phase 50 Hz, 50 KVA.

Dark Room Accessories:-**X.ray developing tank**

S.S, 4.5, Ltrs with lid

S.S, , 9, Ltrs with lid

S.S, 13.5 Ltrs with lid

Safe light X.ray dark room:- Size: 5" x 7"

Cassettes X.ray

Size: 8"x10",

Size: 10" x 12"

Size : 12" x 15"

Lead Apron:-Full front side

Intensifying screen X-ray

Size: 8"x10",

Size: 10" x 12"

Size : 12" x 15"

Half Blockers :- Size 8" x 10", 10" x 12", 12" x 15"

	<p>X-Ray Adoption Google</p> <p>X-Ray Lead Markers</p> <p>Processing Tray</p> <p>X-Ray Film Cutter</p> <p><u>X-Ray Film Hangers</u> Size: 8"x10", Size: 10" x 12" Size : 12" x 15</p> <p><i>Warranty for 2yrs</i></p>	
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ANNEXURE XIII B

SPECIFICATIONS & DETAILS OF ITEMS
GROUP (B)

Si No	Specification	Qty (Nos)
1	<p data-bbox="381 121 808 151"><u>USG with Servo Voltage Stabilizer.</u></p> <p data-bbox="505 159 699 189"><u>SPECIFICATION:</u></p> <p data-bbox="505 231 1203 296">Imaging mode B, B/B, 4B, B/M, M, Tissue Harmonic</p> <p data-bbox="505 340 954 405">Scanning mode Electronic convex/Linear/Micro Convex</p> <p data-bbox="505 449 878 478">Gray scale 256</p> <p data-bbox="505 522 1203 588">Display 15" high resolution medical grade LCD display.</p> <p data-bbox="505 632 1203 772">Probe frequency Broad band 5 steps frequency selection, working frequency 2MHz-12MHz</p> <p data-bbox="505 816 980 846">Probe connector 3 (standard)</p> <p data-bbox="505 890 1203 989">Dynamic imaging Dynamic frequency scan, multi-step dynamic focusing Technology</p> <p data-bbox="527 997 1179 1062">Focusing method Dynamic focusing, variable aperture</p> <p data-bbox="505 1071 1203 1178">Gain control Overall gain control, 8 step TGC continuously adjustable</p> <p data-bbox="505 1222 1073 1251">Image reverse Left/right, up/down</p> <p data-bbox="505 1295 1203 1436">Image magnification max. 4.0, local zoom function, in 8 steps: 0.5, 0.8, 1.0, 1.2, 1.5, 2.0, 3.0 and 4.0</p> <p data-bbox="505 1480 1203 1545">Cine loop More than 250 frames (depends on probe & mode)</p> <p data-bbox="505 1589 1203 1654">Image storage Minimum 1000 images can be stored</p> <p data-bbox="505 1698 1203 1871">Connectivity Full patient database solutions: 160G hard disk, CD/DVD writer, 4 USB ports, DICOM 3.0 & AVI/JPG format.</p> <p data-bbox="505 1948 943 1978">Line density low, high</p>	73

	<p>Edge enhancement 8 steps</p> <p>Gray scale curve 8 types</p> <p>Persistence 8 steps</p> <p>Chroma / Color Pallate 8 types</p> <p>Adjustable parameters dynamic range, frequency, GSC, persistence, enhancement, grayscale curve, left/right invert, up/down invert, image rotation angle, sweep angle/width, zoom factor, focus number and position, biopsy guide line;</p> <p>Diagnostic mode applications such as cardiac, liver, kidney, muscular-skeletal, gynecological, obstetric, thyroid, carotid, breast and pancreas preset can be created by the user</p> <p>Systems upgrade through software Flexible system upgrade</p> <p>Clinical application General, Radiology, OB/Gyn, Urology, Pediatric, Musculoskeletal etc.</p> <p>Standard Offered Main unit including 15" TFT display + 2 probe connector + 1 Convex probe(2-6 MHz) + 1 T.V. prove (4-9 MHz)</p> <p>Standard Accessories: Trolley, Servo-stabilizer, B/W thermal printer.</p> <p>Warranty for 2yrs</p>	
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ANNEXURE XIII C

SPECIFICATIONS & DETAILS OF ITEMS
GROUP (C)

Si No	Specification	Qty (Nos)
<p align="center"><u>1</u></p>	<p><u>Ventillator (Paediatric):-</u></p> <p>Description of Function ICU ventilators should provide artificial respiratory support to the critical patients in all the types of Intensive Care Units with altitude compensation for volume and BTPS correction for monitoring.</p> <p>Operational Requirements It should be microprocessor Controlled ventilator with integrated facility for Ventilation monitoring suitable for Neonatal (including premature) to adult ventilation. The unit should be external compressor based for precise gas delivery (not a turbine / piston/ blower based internal compressor) .It should have proximal flow sensor for neonatal patient category only. Demonstration of the equipment is a must.</p> <p>Technical Specifications Hinged arm holder for holding the circuit Should have Colored Touch screen, 12 Inch or more It should have inbuilt facility to measure and display for all patient category (Adult to neonatal) 3 waves- Pressure and Time, Volume and Time and Flow and Time., Co2 and Time 3 loops- P-V, F-V, P-F with facility of saving of 4 Loops for reference. Also facility to display volumetriccapnography loops Graphic display to have automatic scaling facility for waves Status indicator for Ventilator mode, Battery life, patient data, alarm settings, clock etc. Simultaneous display of SET and exhaled parameter , 3 waveform and 2 loops and Alarm Should have Trending facility for 72 hours Should have Automatic compliance & Leakage compensation for circuit and ET tube with ET Tube size and % of compensation Integrated(in main unit)Mainstream End tidal CO2 with Capnography with monitoring of PeCO2, Vmin VCO2, Curve Co2/ time, Alveolar ventilation , expire Co2 (VTCO2) ,Vhigh and low alarms etc. external Etco2 monitor will not be accepted. Mean stream EtCo2 Sensor - 1no reusable Adult /ped, neonatal adaptor - each 1 . Should have following settings for all age groups. a) Tidal Volume 5 ml to 1800 ml b) Pressure (insp) 2- 90 cmH2O c) Pressure Ramp/ Flow patterns d) Respiratory Rate 1 to 150 bpm, Insp. Time 0.1 to 9 sec, I : E Ratio 5:1 to 1:5 e) Insp. Flow (resultant) 0.3 to 180 LPM, continuous Flow 2-38pm (in TCPL ode) f) CPAP/PEEP 0-45 cmH2O g) Pressure support 2-80 cmh2O h) FIO2 21 to 100% i) Pause Time 0 to 2 sec</p>	<p align="center"><u>30</u></p>

j) Flow Trigger 0.2 to 12 lpm . Pressure Trigger 0.5 to 15 cmH₂O

k) Expiratory trigger or exhalation sensitivity - 5-75-% of flow

Should have ,monitoring of the following parameters

a) Airway Pressure (Peak & Mean)

b) Tidal volume (Inspired & Expired)

c) Minute volume (Expired)

d) Spontaneous Minute Volume

e) Total Frequency

f) FIO₂ dynamic

g) Intrinsic PEEP and PEEP_i Volume (or trapped Volume)

h) Plateau Pressure

i) Resistance (R_{insp}&R_{exp})& Compliance (C_{dyn}&C_{stat})

j) Use selector Alarms for all measured & monitored parameters

Should have following modes of ventilation

a) Volume controlled

b) Pressure Controlled

c) Pressure Support

d) SIMV (Pressure Control and volume control) with pressure support

e) CPAP/PEEP, PSV + assured tidal volume / guarantee / volume support

g) Advanced mode like pressure controlled volume guaranteed / PRVC / AUTOFLOW

h) Non Invasive ventilation (NIV Mode)

i) Additional mode advance ASV / NAVA / MMV+ PSV /

j) APRV

k)Special Neonatal modes - Yime cycled pressure limited with continuous flow (TCPL) , SIMV +TCPL + PSV, N-CPAP(with continuous flow) , PRVC,APRV,and above mentioned mode

Should have Apnea /backup ventilation. Back up mode should user adjustable and bi directional (auto switch over from spont. to control and vica-versa

Expiratory block should be autoclavable and no routine calibration required

Should have, monitoring of the following parameters

a. Intrinsic Peep & Intrinsic PEEP Volume (Trapped Volume)

b. Occlusion Pressure(P_{0.1}) , Max Inspiratory pressure (P_{max})

c. Non-forced Slow Vital Capacity , physiologic Dead space, RSBI, Imposed work of Breathing (WOB_i), Expiratory Time constant (T_{cexp})

d. Facility to calculate lower and upper inflection point (P/V Flex points)

e. Facility for ET Tube compensation with tube diameter (4mm onward) and % of compensation and Patient circuit compensation

Should have integrated Nebulizer with capability to deliver fine particle size of to be used in On line
Should have Ideal Body Weight facility
Should integrated Battery backup for minimum 2 hour for main unit
RS 323C interface for communications with networked devices.

System Configuration Accessories, spares and consumables

ICU Ventilator with trolley - 01

Adult , Pediatric , Neonatal autoclavable silicone patient breathing circuits -02 each

Reusable and autoclavable Flowsensor and exhalation valve/ expiratory cassette - 4 no's. each. The expiratory flow sensor and valve should have 2 years replacement warranty

Proximal Flow sensor for neonatal use - 10 no's

Hinged Support Arm - 1no

Air and Oxygen Hose - each 1 no

Medical Air Compressor with CE mark

Reusable Masks (Small, Medium, Large) with each machine.- 01 sets ea

Humidifier -Servo controlled fisher and paykel MR 850 with digital monitoring of inspired gas temperature -01 .

All accessories required like temp. Probe, heating wire, draw, chamber etc - each 2 nos.

Inlet requirement

Power input to be 220-240VAC, 50Hz

Gas input(air and oxygen) - 50-100 psi

Standards, Safety and Training

Should have US FDA and CE for main ventilator unit for the entire feature mentioned the specification.

The company should attach valid 510K and US FDA certificate along in the technical bid.

Demonstration of quoted equipment model is a must.

Should have local service facility .The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.

Warranty for 2yrs and provision of CMC for next 5 years

<u>2</u>	<p><u>Ventilator (Neonatal):-</u></p> <p>High End neonatal ventilator with HFOV</p> <p>General Requirement</p> <p>Should be able to ventilate patients with body weight from 400 grams to 25 kg</p> <p>Should have battery back-up for the ventilator with integrated re-chargeable battery for a minimum of 60 min operation</p> <p>Should have high resolution screen with colour display of at least 10 inches screen size</p> <p>Should have an integrated electronic blender for blending Air & Oxygen</p> <p>Should have based on external compressor</p> <p>Should have US-FDA and / or European CE certification for neonatal use</p> <p>The flow sensor should be reusable and autoclavable and should be located proximal between the Y piece and Endotracheal tube. Flow sensor should have replacement warranty.</p> <p>Should have device checking mechanism where it can determine and display the compliance and resistance of the system, determine leakage in the patient hose system and checking of valves, gas supply system, flow sensors etc</p> <p>Should have an automatic leak compensation facility that provide sensitive triggering even with changing ET-Tube leaks</p> <p>Ventilation Modes required:</p> <p>Invasive ventilation:</p> <p>a) Pressure limited: SIMV, Assist control/SIPPV, Pressure support (PSV), Apnea back up ventilation</p> <p>b) Should have volume targeting or volume assured or volume guarantee function in all pressure limited modes to ensure a preset tidal volume delivery by varying the peak pressure or inspiratory time.</p> <p>Non Invasive ventilation: N- CPAP and NIMV</p> <p>Should have apnoea backup facility with backup settings configured for neonates.</p> <p>should have HFOV modes with active exhalation like CPAP+ HFOV, IMV+ HFOV with selection for switch on / Off during Insp. Time</p> <p>should have setting for HFOV MAP 0-30 cmH₂O, Frequency 5-15 Hz, Amplitude 0-100 % ,o Inspiration time – 33 % to 50 % adjustable,</p> <p>Waveforms and loops:</p> <p>Scalar graphics - for pressure, volume and flow; scale should be user selectable and adjustable for neonatal settings</p> <p>Loop Graphics - for pressure volume, flow volume, pressure flow combinations; scale should be user selectable and adjustable for neonatal settings</p> <p>Should have freezing and measuring facility for loops and curves. Freeze and Analysis cursor in all loops</p> <p>Facility of moveable cursors to read numeric values at any</p>	<u>30</u>
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point on the loop where the cursors is kept
Should have adjustable inspiratory flow patterns from square wave, sinusoidal and decelerating wave

Ventilator Parameters and settings:

Should have knobs for setting following parameters - Peak pressure (5-60 cmH₂O), Positive end expiratory pressure (PEEP- 0-30 cmH₂O), Respiratory rate (0-200 bpm), Inspiratory rate (0.1 to 2 sec) & Expiratory time(0.1 to 10 sec) , Oxygen concentration (in 1% increments or decrements), tidal volume (2 ml - 150 ml)

Should be able to monitor the following parameters : Peak pressure, PEEP, Mean airway pressure (MAP), Respiratory rate, FiO₂, Minute volume, Tidal Volume (Inspired & Expired, Leak percentage), Resistance, Compliance

Should have following settings and ranges:

- a) Inspiration time: 0.1 - 3 sec
- b) Expiration time: 0.1 - 10 sec
- c) Respiratory rate up to 300 breaths per minute in conventional modes
- d) Flow: Preset patterns - Square, Sinusoidal, decelerating
- e) PEEP: 0 - 30 mbar/cmH₂O
- f) Inspiratory pressure: 5 - 50 mbar/cmH₂O
- g) Tidal volume: 2 - 150 ml
- h) Proximal flow trigger facility with a trigger sensitivity of at least 0.21/min
- i) Oxygen concentration (FiO₂): 21% to 100%

Display:

Inspiratory time %
Ventilator rate
Mean airway pressure
Inspired oxygen concentration
Tidal volume & Minute ventilation
Trends of set and measures parameters with a trend memory of at least 24 hrs.
Leak percentage
Display of silenced alarms

Alarms Limit: Should have visual as well as audible alarms with user adjustable alarms levels with text message for:

Power failure
Circuit disconnection
low tidal volume
Minute volume
Tidal volume
Peak Pressure
PEEP
Mean airway pressure
Patient disconnection
Gas failure
Low & High FiO₂

Should have the facility to suspend the oxygen alarms indefinitely when oxygen cell is depleted or defective

Power Supply: 220 - 240V and 50-60 Hz

Miscellaneous:

Complete unit should be mounted on a sturdy pedestal trolley with good quality castors for easy movement of the complete ventilator. At least 2 of the four wheels should be lockable.

Each unit should have a circuit hanger to support the patient circuit

Each unit should be supplied with a heated servo controlled humidifier (Either integrated or Standalone) of the latest model with temperature display for set as well as measured temperature. The humidifier should have the following requirements:

- a) Heater with flow resistance up to 1 cmH₂O/ L/sec
- b) Temperature range: 28 - 39 deg. C
- c) Warm up time less than 15 minutes
- d) Temperature control accuracy: +/- 2 deg. C
- e) Automatic audible and visual alarms for high and low temperatures
- f) Visual indicator and alarm for low water level and digital display for set and measured temperatures

Nebulizer: Should be inbuilt and preferably volume compensated with a time - programmable flow mechanism to de-activate nebulizer

Manual oxygen key while suction; user adjustable oxygen concentration delivery while this manual mode is operated
Should have an adjustable mechanism relief valve for excess pressure

Should be able to connected to central air line via and external compressor so that the compressor automatically switches ON when air pressure in the central line drops below the recommended level

Should be able to connected to central O₂ line

Each unit should come with 1 set of standard oxygen & Air hoses with hose connectors

The firm should agree for periodic regular replacement of oxygen cells, compressor filters and ventilator filters during warranty and CMC

Accessories to be provided per ventilator

Autoclavable reusable high quality neonatal specific low compliance heated ventilator circuits - 04 nos. Additional 4 nos. of reusable patient circuit should be provided in case of separate patient circuits for HFOV application.

In case of standalone humidifier: 4 sets each of temperature probes, reusable humidifier chambers, heater wire adaptors for reusable circuits, and heater wire adaptors for disposable circuits with each humidifier.

Reusable Proximal type flow sensors for neonatal use - 2 no (if differential pressure transducer type) or 60 nos (if heated wire anemometer type). In case of Heated wire anemometer sensor supplied 60 nos per year during warranty and CMC also.

Flow sensor cables (if heated wire anemometer type) - 5nos

Reusable Nebulization kits/ Cartridges with all accessories - 1nos

Neonatal test lung - 1 no

Air compressor with automatic switch over in case of failure of central air pipeline And with FDA or CE certificates- 1no.

Manuals: Operator & Service manuals

Should be FDA or European CE certified and approved

The equipment should come with a **Warranty for 2yrs** from the date of satisfactory installation and 5 years comprehensive maintenance contract after the end of the warranty. Warranty and CMC should include all parts - plastic, metallic, glass, batteries, electronic, electrical and rubber. Warranty and CMC should cover the ventilator, flow and o2 sensor, compressor, humidifier and the stand. Warranty and CMC would include the periodic calibration of all parameters strictly as per manufacturer's recommendations and any spares, gases or standards required for that.

The quoted model should have installed in reputed government organization and satisfactorily working since last 2 years.

On-sight physical demonstration of the ventilator with all standard accessories will be mandatory if demanded by the technical committee

Rates of consumables and accessories should be quoted separately for the full duration of warranty and CMC

Transport Ventilator.:-

The portable ventilator is used to transport a patient with artificial respiration support for all patient category (Adult, pediatric and newborn)

Operational Requirements

The portable ventilator should be light weight(< 5 kg)

Should be based on IPPV time cycled and portable, light weight.

Should electronically controlled and pneumatically driven.

Should be able to work both with cylinders and pipeline, connectors and high-pressure tubing of appropriate length to be supplied.

Technical Specifications

Should have venture /jet mixing- technology air - oxygen mixture

Should have following modes of ventilation:

IPPV or control/Assist-control, Pressure Support +PEEP, Apnea back up

should have facility to be used non -invasively

Should have following settings

a. TV 15 – 2000ml or minute volume setting 1-15 lpm

b. PEEP/CPAP 0-20cmH₂O

c. Respiratory Rate 5 to 65bpm

d. I: E ratio 1:1.5 (inspiratory time 40% of breathing cycle)

e. FiO₂ 50% & 100%

f. pressure support level 0-50 cmH₂O

Trigger Sensitivity - Pressure 1 to 5 cmH₂O

Should have airway pressure monitoring

Should have Audio-visual alarms for

a. Low supply pressure

b. High/low airway pressure

c. Gas Supply

d. Power failure

e. Apnea

f. Low battery

Battery back -up for minimum 5-6 hour

Should fix, on rails of transport trolley and on stand with wheels.

System Configuration Accessories, spares and consumables

Main Ventilator unit -01

Adult Reusable /Autoclavable Silicon Patient Circuit with expiratory valve -01

Pediatric / neonatal Re-usable /Autoclavable Silicon Patient Circuit with expiratory valve -01

Oxygen Hose-01

Power supply unit / battery charging unit

power supply cable for 12 V DC

Environmental factors

The unit shall be capable of being stored continuously in ambient temperature of 0 -40 C and relative humidity of 15-90%

The unit shall be capable of operating continuously in

	<p>ambient temperature of 10 -40deg C and relative humidity of 15-90%</p> <p>Shall meet IEC-601-1-2 EN 1281-1, IEC 601-1-1, EEC 93/42 , EN 749-3</p> <p>Class 1 Type B</p> <p>Power Supply</p> <p>Power input to be 220-240VAC, 50Hz</p> <p>Standards, Safety and Training</p> <p>Electrical safety conforms to standards for electrical safety IEC-60601</p> <p>Product should be FDA/CE</p> <p>Manufacturer and supplier should have ISO certification for quality standards.</p> <p>Warranty for 2yrs</p> <p>and provision of CMC for next 3 years.</p> <p>Documentation</p> <p>User Manual in English</p> <p>List of Equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.</p>	
<p><u>4</u></p>	<p><u>Ventilator (Adult):-</u></p> <p>Description of Function</p> <p>ICU ventilators should provide artificial respiratory support to the critical patients in all the types of Intensive Care Units with altitude compensation for volume and BTPS correction for monitoring.</p> <p>Operational Requirements</p> <p>It should be microprocessor Controlled ventilator with integrated facility for Ventilation monitoring suitable for Neonatal (including premature) to adult ventilation.</p> <p>The unit should be external compressor based for precise gas delivery (not a turbine / piston/ blower based internal compressor) .It should have proximal flow sensor for neonatal patient category only . Demonstration of the equipment is a must.</p> <p>Technical Specifications</p> <p>Hinged arm holder for holding the circuit</p> <p>Should have Colored Touch screen, 12 Inch or more</p> <p>It should have inbuilt facility to measure and display for all patient category (Adult to neonatal)</p> <p>3 waves- Pressure and Time, Volume and Time and Flow and Time., Co2 and Time</p> <p>3 loops- P-V, F-V, P-F with facility of saving of 4 Loops for reference. Also facility to display volumetriccapnography loops</p> <p>Graphic display to have automatic scaling facility for waves</p> <p>Status indicator for Ventilator mode, Battery life, patient</p>	<p><u>20</u></p>

data, alarm settings, clock etc.

Simultaneous display of SET and exhaled parameter , 3 waveform and 2 loops and Alarm

Should have Trending facility for 72 hours

Should have Automatic compliance & Leakage compensation for circuit and ET tube with ET Tube size and % of compensation

Integrated(in main unit)Mainstream End tidal CO₂ with Capnography with monitoring of PeCO₂, V_{min} VCO₂, Curve Co₂/ time, Alveolar ventilation , expire Co₂ (VTCO₂) ,V_HHigh and V_{low} alarms etc. external Etco₂ monitor will not be accepted. Mainstream EtCo₂ Sensor - 1no reusable Adult /ped, neonatal adaptor - each 1 .

Should have following settings for all age groups.

- a) Tidal Volume 5 ml to 1800 ml
- b) Pressure (insp) 2- 90 cmH₂O
- c) Pressure Ramp/ Flow patterns
- d) Respiratory Rate 1 to 150 bpm, Insp. Time 0.1 to 9 sec, I : E Ratio 5:1 to 1:5
- e) Insp. Flow (resultant) 0.3 to 180 LPM, continuous Flow 2- 38pm (in TCPL ode)
- f) CPAP/PEEP 0-45 cmH₂O
- g) Pressure support 2-80 cmh₂O
- h) FIO₂ 21 to 100%
- i) Pause Time 0 to 2 sec
- j) Flow Trigger 0.2 to 12 lpm . Pressure Trigger 0.5 to 15 cmH₂O
- k) Expiratory trigger or exhalation sensitivity - 5-75-% of flow

Should have monitoring of the following parameters

- a) Airway Pressure (Peak & Mean)
- b) Tidal volume (Inspired & Expired)
- c) Minute volume (Expired)
- d) Spontaneous Minute Volume
- e) Total Frequency
- f) FIO₂ dynamic
- g) Intrinsic PEEP and PEEPi Volume (or trapped Volume)
- h) Plateau Pressure
- i) Resistance (R_{insp}&R_{exp})& Compliance (C_{dyn}&C_{stat})
- j) Use selector Alarms for all measured & monitored parameters

Should have following modes of ventilation

- a) Volume controlled
- b) Pressure Controlled
- c) Pressure Support
- d) SIMV (Pressure Control and volume control) with pressure support
- e) CPAP/PEEP, PSV + assured tidal volume / guarantee / volume support
- g) Advanced mode like pressure controlled volume guaranteed / PRVC / AUTOFLOW

h) Non Invasive ventilation (NIV Mode)
i) Additional mode advance ASV / NAVA / MMV+ PSV /
j) APRV
k)Special Neonatal modes - Yime cycled pressure limited with continuous flow (TCPL) , SIMV +TCPL + PSV, N-CPAP(with continuous flow) , PRVC,APRV,and above mentioned mode
Should have Apnea /backup ventilation. Back up mode should user adjustable and bi directional (auto switch over from spont. to control and vica-versa
Expiratory block should be autoclavable and no routine calibration required

Should have, monitoring of the following parameters
a. Intrinsic Peep & Intrinsic PEEP Volume (Trapped Volume)
b. Occlusion Pressure(P0.1) , Max Inspiratory pressure (Pi max)
c. Non-forced Slow Vital Capacity , physiologic Dead space, RSBI, Imposed work of Breathing (WOBi), Expiratory Time constant (Tcexp)
d. Facility to calculate lower and upper inflection point (P/V Flex points)
e. Facility for ET Tube compensation with tube diameter (4mm onward) and % of compensation and Patient circuit compensation
Should have integratedNebulizer with capability to deliver fine particle size of to be used in On line
Should have Ideal Body Weight facility
Should integrated Battery backup for minimum 2 hour for main unit
RS 323C interface for communications with networked devices.

System Configuration Accessories, spares and consumables

ICU Ventilator with trolley - 01
Adult , Pediatric , Neonatal autoclavable silicone patient breathing circuits -02 each
Reusable and autoclavable Flow sensor and exhalation valve/ expiratory cassette - 4 nos each. The expiratory flow sensor and valve should have 2 years replacement warranty
Proximal Flow sensor for neonatal use - 10 nos
Hinged Support Arm - 1no
Air and Oxygen Hose - each 1 no
Medical Air Compressor with CE mark
Reusable Masks (Small, Medium, Large) with each machine.- 01 sets ea
Humidifier -Servo controlled fisher and paykel MR 850 with digital monitoring of inspired gas temperature -01 .
All accessories required like temp. Probe, heating wire, draw, chamber etc - each 2 nos.

Inlet requirement

Power input to be 220-240VAC, 50Hz
Gas input(air and oxygen) - 50-100 psi

	<p>Standards, Safety and Training</p> <p>Should have US FDA and CE for main ventilator unit for all the feature mentioned the specification. The company should attaché valid 510K and US FDA certificate along in the technical bid.</p> <p>Demonstration of quoted equipment model is a must.</p> <p>Should have local service facility .The service provider should have the necessary equipment service set up recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance</p> <p>Warranty for 2yrs &provision of maintenance for next 5yrs</p>	
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ANNEXURE XIII D

SPECIFICATIONS & DETAILS OF ITEMS

GROUP (D)

SI	Specifications	QTY (Nos)
1	<p>Shadow less Light 19" dome. :- Lamp mounted on four legs heavy duty base fitted with 75mm dia castors 2 Halogen bulbs of 24V – 50W are used. 1 for main and other as backup Light Intensity 90000 lux +/- 10% Color Temp 4300 k Light field diameter 120mm or more Dome Diameter 19" Power Supply AC 220-230V/50-60 HZ Should be CE ,ISI/GMP,OHSAS 18001:2007,ISO 9001:2000,ISO 14001:2004 &13485:2003 certificates. Warranty for 2yrs</p>	217
2	<p><u>Binocular Microscope (Electric) :-</u> Binocular Compound Microscope with Infinity Optical System (IOS) Illumination: Koehler Illumination system with Built-in 6V-20W Halogen with intensity control regulator. Focusing Module: COAXIAL coarse & fine focusing mechanism, with tension control ring. Ergonomically designed for easy grip, esp. for tension control. Nosepiece: Inward Tilt Low friction & fully Parfocal Quadruple Revolving nosepiece (Ball bearing type). Viewing Head: Siedentopf Binocular tube, inclined at 30° rotatable through 360° with IPD 48-75 mm and Dioptic adjustment. Anti fungus treated Stage: Double layer graduated mechanical rectangular stage size 142 x 133mm cross travel 75 (X) x 50 (Y) mm on ball bearing co-axial controls spring clip double specimen holder Condenser Moveable ABBE Condenser, NA 1.25 with aspheric lens. Iris diaphragm special day light blue filter in holder Objectives IP series DIN Infinity Plan Achromatic, Anti fungus treated objectives: 4x/0.10, 10x/0.25, 20x/0.40, 40x(SL)/0.65, 100x(SL, Oil)/1.25 Eyepieces: Wide Field eyepiece WF 10x/18mm paired with eye guards Power Input 220V AC, 50Hz as per ISO 9001, CE standards. Standard Accessories: Packed in Moulded Styrofoam box with: Operation Manual, Cleaning Cloth Dust cover Warranty for 2yrs</p>	153
3	<p><u>Haemoglobinometer :-</u> · Fast & precise measure of Hemoglobin and Hematocrit in whole blood.</p>	206

	<ul style="list-style-type: none"> · Should have an option of Hematocrit value in case of normal Hb limit · Measurement at two wavelengths, 570 nm & 880nm · The machine should have an option of setting the cut off range of flag the extremely higher and lower values. · Should have user friendly Graphical Touch Screen Panel. · Analyzer automatically stores up to 100 results with date, time and sex · Automatic self-test · Measuring range 0-256 g/L (0-25.6 g/dl,0-15.9 mmol/L) · Measuring time- Less than 60 secs · Analyzer should have in-built re chargeable battery with 100 hrs back up. · Quality control Curvettes to be provided for QA. · PC and printer connectivity option · Calibrated against the international reference method for hemoglobin determination. <p>Warranty for 2yrs</p>	
4	<p><u>Glucometer with 100 Strips:-</u></p> <p>Biosensor/ Electrochemical, Glucose Oxidised (GOD) method Highly Certified: US FDA, Health Canada and CE Sample type should be fresh whole blood (capillary). Primary site should be finger tips and alternative site should be Forearm & Palm. Hematocrit range is 30 – 55%. Individually foil wrapped test strips should be available – each strip should be protected from contamination, oxygen, high temperature and high humidity to ensure stability and high performance. Wide range operation temperature. The temperature detection and compensation feature should allow ranges of 5-45°C. Operating humidity range is 10-90 %. Meter should include lithium battery life up to 1000 measurements. Glucose test range from 20 – 600 mg/dL. Great Data Management. Meter should record up to 300 tests with time, date. Test averaging 7,14,30 days average. Extended expiry period for strips up to approximately 24 months End fill strips with wicking action should make blood application as easy as touching the strip to the sample, along with fast sip-in action. Sample just 1µl. Test results should be able to be obtained in only 10 seconds. Code chip should allow for automatic calibration. Meter automatically should powered on or off after test strip inserted/ removed. Beep sound should occur to notify the user when test strip inserted, sufficient blood sample is applied and when testing is completed. Results should be plasma equivalent which can be compared</p>	234

	<p>directly with lab analyzer results if required.</p> <p>Warranty for 2yrs</p>	
5	<p>Water Bath:-</p> <p>With electronic control , LED Display, Button to set nominal value in 0.1°C. Temperature Range 5°C above ambient room temperature to 100 °C, External W : 500 X D: 250 X H: 300 mm (approx) Bath Capacity: 20 Ltrs (Approx) Temperature Accuracy: + 0.1 °C Body of the equipment should be of material which is rust free from both inside and outside.</p> <p>Warranty for 2yrs</p> <p>Should be CE ,ISI/GMP, ISO 9001:2000 & 13485:2003 certificates.</p>	234
6	<p>Hot Air Oven:-</p> <p>Size: 45 x 45 x 45 cm Door/Shelf: Single Door with 2 shelves constructed To give uniform and adequate sterilizing temperature Range adjustable up to 200 °C with digital temperature Display, stainless steel and rust free. Material: Door fitted on heavy brass chrome plated hinges Cabinet: Cabinet double walled mild steel Insulation: Minimum Thickness 5 cm of glass wool Finish: Inside the cabinet heat resistant finish and Outside durable, rust free Air Circulation: Ventilated with internal fans to assist Circulation of air</p> <p>Warranty for 2yrs</p>	234
7	<p>Lab Incubator:-</p> <p>Incubator Bacteriological (Memmert type) reliable day to day operation in variety of uses. Drying of slides, paraffin embedding, tissue culture work, incubation of antibody test, excellent for Microbiological determinations, crystallization studies and Incubation of hydroxy steroids.</p> <p>Construction :- with double walled construction with complete inner chamber made of Anodized Aluminum or Highly Polished Stainless Steel. Outer chamber is made of Mild Steel Sheet, finished with powder coated paint. 75 mm gap between the walls is filled with special grade glass wool for proper insulation and to avoid heat losses. Inner chamber fabricated with ribs for adjusting shelves to convenient height. Supplied with 2 or 3 removable shelves. SHELVES made of fully Anodized Aluminium Sheet or Polished Stainless Steel Sheet as per chamber. Door insulated & fitted with heavy hinges. Door Double glass window which facilitate inspection of samples without opening</p>	234

	<p>the door. Heating elements, made of high grade imported nichrome wire are put inside the porcelain beads and placed at the bottom and side ribs for uniform temperature all over the space.</p> <p>Temperature Control: – by imported capillary type thermostat from ambient to 80°C. Temperature control knob graduated in centigrade degrees after actually observing the temperature in steady state. fitted an L-shaped prismatic glass Thermometer on top of the Incubator for reading the chamber temperature.</p> <p>With Ventilation: – Control Panel having a thermostat control knob, ON/OFF switch and two pilot lamps.</p> <p>Power Requirement: – Supplied with cord and plug suitable to operate on 220 V single phase, 50 Hz, AC supply.</p> <p>Size of inner chamber:– Inner Chamber W x H x DS.S. (304 grade) 455 x 605 x 455 mm</p> <p>Filled with Air Circulation Fan</p> <p>Optional Accessories & spares to be quoted</p> <p>Should be CE ,ISI/GMP, ISO 9001:2000 & 13485:2003 certificates</p> <p>Warranty for 2yrs</p>	
8	<p>Domestic Refrigerator:-</p> <p><u>Capacity</u></p> <p>Gross Total : 195L Refrigerator : 195L</p> <p>Net Total : 185L Refrigerator : 185L</p> <p>Physical Specification</p> <p>Weight Net : 37kg Gross : 41kg</p> <p>Dimension Net (WxHxD) : 534 x 1,250 x 540mm Net Case Height with Hinge : 1,250mm Net Case Height without Hinge : 1,250mm Net Depth with Door Handle : 540mm Net Depth without Door Handle : 540mm</p> <p>Performance</p> <p>Energy consumption 255 watts Should be CE ,ISI/GMP, ISO 9001:2000 & 13485:2003 certificates</p> <p>Warranty for 2yrs</p>	400
9	Radiant Warmer :-	50

OPEN NEWBORN CARE SYSTEM ON TROLLEY,WITH RADIANT WARMER, OXYGEN-PROVISION

Technical Specifications:

Mobile newborn resuscitation table with fixed-height radiant warmer

Antistatic castors, 2 with breaks

Table surface with mattress, head up/down facility, X-Ray cassette holder.

Mattress-padding: foam density approx. 21 - 25 kg/m³

Mattress cover should be sealed and waterproof.

Side boards transparent acryl, drop down and lockable

Side rails allow for mounting of accessories with SS Height adjustable infusion rod.

Hood suspended above the table integrates heating element and overhead spot light

Integrated support for two 10 L oxygen bottles

Control unit should have flow meter, Humidifier bottle and FA Valve with pressure gauge

Heating element: Ceramic heater - 650 W (lifelong warranty) mounted in parabolic reflector and protected by metal grid

Control unit allowing air and skin temperature preset (LED indicator)

and drives radiant heater output (Skin Servo OR Air control OR manual mode)

Integrated timer: 1 to 59 min, with count-up and count-down feature

Temperature range, skin: 34 to 38°C (user pre-settable)

Monitoring of skin temperature by means of sensor, range: 30 to 42°C

Heater output: 0 to 100% in increments of 5%

Control unit: audiovisual alarms according to timer and temperature preset avoiding overheating

Should be able to display reports systems errors, sensor failure with message on LCD.

Power requirement: 220 V/50 Hz

Power consumption: 800 W

Device should be produced by ISO 9001 certified manufacturer (Certificate to be submitted)

Device should be safety certified according ISO & CE(93/42)/ FDA 510k

Should be supplied with:

1 x spare skin temperature probe (including connection cable)

2 x empty 10 L oxygen cylinders

1 x spare set of fuses

User manual with trouble shooting guidance, in English.

Technical manual with maintenance and first line technical intervention

instructions, in English

List of priced accessories

List of priced spare parts

List with name and address of technical service providers in India

	<p>Training and installation at end-user site Proposal for full service AMC, for five years after completion of guarantee period, covering (i) 2 preventive maintenances per year, (ii) on-call technical interventions, spare parts and travel Warranty for 2yrs</p>	
10	<p><u>Fetal Doppler:</u></p> <ol style="list-style-type: none"> 1. Should be portable with a carry bag. 2. Should be able to work on mains as well as on 9 volt single battery. 3. Should have facility for tape recording. 4. Should have ear phone facility. 5. Should have heart beat indicator. 6. Should have totally soft touch panel. 7. Should have battery indicator. 8. Should possess low battery indicator. <p>Warranty for 2yrs Should be CE ,ISI/GMP, ISO 9001:2000 & 13485:2003 certificates</p>	50
11	<p><u>Electric Suction Machine:-</u></p> <p>Suction machine foot cum electric model with 2 separate suction systems, electric & cabinet made of mild steel epoxy powder coated, with 2 vaccum gauges 700 mm/Hg Volume: 25-30 Ltrs/min (Jar Capacity 3 Ltrs), 2 graduated polycarbonate suction jars each of 1.5 ltrs capacity self sealing rubber lids with synthetic rubber lids, long pressure tubing, heavy vertical foot pump, vacuum control , automatic overflow cut off device, mounted on 4 rubber castors. Sound: 45 db A+ 3 As per ISI Marked No. IS: 4533, SS Top, Epoxy Powder Coated Finish Warranty for 2yrs Should be CE ,ISI/GMP, ISO 9001:2000 & 13485:2003 certificates</p>	242
12	<p><u>ECG Machine with adult, paediatric and neo natal leads:-</u></p> <p>Technical Specification of Single Channel Automatic ECG</p> <ul style="list-style-type: none"> • Single Channel ECG Recording. • Last Memorized ECG recording & additional copies available. • Automatic and Manual recording modes. • Dual Power Supply: Mains and battery Operation. • Thermal Printing on 50 mm paper. • Compact design, light weight& portable. <p>Warranty for 2yrs</p>	88
13	<p><u>Ceiling OT Light (shadowless) (UNITED)</u></p> <ul style="list-style-type: none"> • The multi – reflector shadow less ceiling Lights should be used 	88

	<p>halogen lamps with heat observe filters to give “cold” with light, which should be ideal for modern surgeries, The Lights should have incorporational safety standards like CE Mark, ISO 9000 quality standards</p> <p>Technical Data</p> <ul style="list-style-type: none"> • Intensity (In Lux): - 130,000 • Colour Temp.: - 4300K • Halogen Bulb: - 7 x 24V-50W* • Light Field Diameter: - 120mm or more • Dome Diameter: - 710mm • Input Voltage: - AC 220-230/50-60HZ <p>Warranty for 2yrs</p> <ul style="list-style-type: none"> • Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000,ISO 14001:2004 & 13485:2003 certificates 	
14	<p><u>Boyles Apparatus with vaporiser and standard accessories</u></p> <p>The Anesthesia Machine should be of 2 Gases with 2 tubes Hypoxic Guard Including Circle Absorber.- Machine must be made of rigid & electro statically powder coated steel with antistatic Castors with front brakes.</p> <ul style="list-style-type: none"> • Machine should be equipped with 2 Nos. High Pressure outlets for driving ventilator. • Machine must have Oxygen Flush with 32 to 59 LPM flow or better. • The machine must have flow meter for oxygen and nitrous oxide supply with adjustment controls. Oxygen Flow meter can be calibrated from 100 ml to 8 Liters and for Nitrous Oxide from 200 ml to 12 liters per min. • Machine should have pneumatically controlled integrated Hypoxic Guard/ORC ensuring that a minimum range of 25%-35% oxygen can be run through the machine as per requirement (25% can be set) . • The machine must have inbuilt Oxygen Failure Warning Alarm. • Machine has a common gas outlet Male and Female Type, size to specify. • Machine should have provision for connection to pipeline supply for Oxygen and Nitrous Oxide Supply. Once pipeline supply is turned on machine should be able to use pipeline supply and cylinders supply be kept as reserve and incase of pipeline failure only cylinder supply can be turned on. Separate indication gauges for Pipeline and Cylinder Pressure. • Machine must have a system pressure relief valve to protect from backpressure. The valve set at normal pressure of 200 cm of H2O. • Provision for mounting 2 Nos of Bulk Cylinders on the extended rear platform & top tray for mounting monitor at eye level. • Machine has gas specific pin indexed cylinder yokes with sliding stainless steel clamping bars for easy handling. Two each for oxygen and nitrous oxide 	69

	<p>cylinder with 5 liters capacity.</p> <ul style="list-style-type: none"> • There should be individual pressure regulator on each circuit output phase of 4 kg/cm² and Capable of delivering low flow Anesthesia • Provision for mounting of ventilator on the side, writing table and pre-use operative checklist and two closed drawer for keeping essential accessories. • Machine must be supplied with twin canister circle absorber. The absorber has switch control to switch between Automatic and Manual mode of ventilator. • One Set of Essential Accessories with item wise rate should be quoted as option without which the quotation will be rejected. • The supplier has adequate service backup with service, availability of on-self spares and calibration equipment in north east. • Vaporizer for Halothane/Isoflurane to be compulsorily quoted as optional. • . CE Certified and ISO 13845 Certified <p>Warranty for 2yrs</p>	
15	<p>Defibrillator.-</p> <p>Technical specification of Bi-Phasic defibrillator with AED</p> <ol style="list-style-type: none"> 1. Should have Current controlled Biphasic waveform technology 2. Should have a facility of at least 100 charge /Discharge of 300j in a single charge 3. Should be equipped with AED with Voice and Visual Prompts 4. There should be facility of Voice guided CPR 5. At least 24 events storage capacity 6. Should have a facility of Momentary AED ON/OFF key on front panel to enter and exit AED mode 7. Energy selection dynamic range should be 2j to 300j or above 8. Should be able to record ECG before and after shock 10. Should have thermal printer facility 11. Should have ECG R wave Synchronous or Asynchronous Mode 12. Should have charge ready indication with Display and Voice Command 13. Should have Adult and Pediatric paddle integrated into Same Handle (Swipe to Expose) 14. Should be ISO 13845 Certified. <p>Warranty for 2yrs</p>	89
16	<p><u>Surgical Diathermy:-</u></p> <p>Modular design, Integrated Patient Control System (PCS). Independent activation of monopolar and bipolar output. Should have time controlled cutting mode Should allow monopolar cutting and coagulation by using both</p>	75

	<p>foot switching. Should have bipolar coagulation option. The system should automatically adjust to given tissue impedances. Monopolar Pure cut should be suitable for under water cutting (TURP, TUVP & TCRE) with URO-CUT, which eliminates lag time in initiating cut especially suited for urological procedure.</p> <p>a) Three Blend – modes (program) b) Low Cut – Endocut (Gastrocut) – for G.I Surgery</p> <p>Should have Monopolar coagulation –Soft mode (lap, desiccation) Forced mode (Standard), Spray mode (for non contact large area).</p> <p>a)Desiccation/Soft – for low voltage soft coagulation suitable for laproscopic& delicate tissue work. b)Fulgurate/Forced – non contact coagulation for minimal smoke generation c)Spray for non-contact large tissue area coagulation with minimum depth of necrosis</p> <p>Should have Bipolar- Micro (for delicate tissue without charring, adhesion and blanching), Coagulation (high current low voltage pulsed bipolar, also suitable for vessel sealing system Range of accessories should provide extensive selection of handles for various application e.g. needle, ball, spatula type. Accessories- Ergonomically designed trolley to house cautery (Small,. Light and Portable), Monopolar cord (at least 6), bipolar cord (at least 6) selection of handles, footswitches (all other standard accessories). bipolar cord (at least 6) selection of handles, footswitches (all other standard accessories).</p> <p>Warranty for 2yrs Should be ISO Certified.</p>	
17	<p><u>Fumigation Machine 5 Ltr capacity:-</u></p> <p>Specification:- Max. height : 390 mm , Weight : 8.5 kg (Approx.) Atomizing Capacity : 30-50 ml/min Should be available with timer.</p> <p>Warranty for 2yrs Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000,ISO 14001:2004 & 13485:2003 certificates</p>	101
18	<p><u>Horizontal Sterilizer:-</u></p> <p>Inner Chamber should be made up of thick sssteel of 304 / 316 quality and jacket is made out of rolled s.steel. Single door should be made of rolled steel lined with S.S. sheet has radial locking system. All units is to be hydraulically tested up to 40 psi. The space between outer cover made of thick rolled steel sheet and the steam jacket filled with mineral wool. Boiler should make of thick S.S.sheet and is located under the sterilizer. It should be fitted with water level indicator, safety valve, pressure gauge, and water inlet and drain valves. Unit to be fitted with low-water cut-off device and automatic pressure control device. Fitted with self-locking safety door device.</p>	20

	<p>Two separate valves should be provided for evacuating steam from inner chamber and jacket, as and when desired. The sterilization cycle should be controlled through multiport valve or three-way valve. Fitted with a dial thermometer and automatic vacuum breaker. To work on 440 volts, 3 phase, A.C. supply.</p> <p>Warranty for 2yrs</p> <p>Should be CE, ISI/GMP, ISO 9001:2000, & 13485:2003 certificates</p>	
19	<p><u>Vertical Autoclave with dressing drum:-</u></p> <p>It is to be used for sterilization under saturated steam pressure at any selected point between 5 to 20 p.s.i. (adjustable). Should have double walled units with inner chamber (Boiler) made of 18 S.W.G. stainless steel and outer chamber is made of SS sheet covered with S.S. Lid with radial locking system. Fitted with neoprene rubber gasket, all systems are hydraulically tested up to 40 p.s.i. as a safety measure. All autoclaves are to be fitted with standard accessories such as water level indicator, pressure gauge, steam release cock, spring-loaded safety valve and heating element. Should be supplied complete with S.S. basket and vacuum breaker device, cord and plug, to work on 220/230 volts A.C. Supply. Capacity: 22, 40, 50, ltr. Should be Supplied with dressing drum.</p> <p>Warranty for 2yrs</p> <p>Should be CE, ISI/GMP, ISO 9001:2000, & 13485:2003 certificates.</p>	20
20	<p>PHOTOTHERAPY UNIT, SINGLE HEAD, HIGH INTENSITY :-</p> <p>Technical Specifications:</p> <p>Heavy sturdy mobile stand phototherapy unit</p> <p>Antistatic castors, 2 with breaks</p> <p>Head height adjustable, approx.: 0.95 to 1.40 m</p> <p>Blue light, 4 Compact Fluorescence Tubes (CFL), approx.: 20 W</p> <p>White light, 2 Compact Fluorescence Tubes (CFL), approx.: 20 W</p> <p>Tubes are to be protected by grill</p> <p>Irradiance at skin level, > 25 uW/cm²/nm</p> <p>Wavelength: 420 to 500 nm, with highest intensity at 470 nm</p> <p>Integrated cumulative Dual Digital timer for Tube light usage and Patient</p> <p>Power requirement: 220 V/50 Hz</p> <p>Power consumption: 250 W</p> <p>Device is to be produced by ISO 9001 certified manufacturer (Certificate to be submitted,)</p> <p>Device should be safety certified according ISO & CE (93/42) / FDA 510k</p> <p>Should be supplied with:</p> <p>2 x spare blue CFL tubes</p> <p>1 x spare white CFL tube</p> <p>1 x spare set of fuses</p> <p>User manual with trouble shooting guidance, in English</p> <p>Technical manual with maintenance and first line technical intervention instructions, in English</p> <p>List of priced accessories</p>	50

	<p>List of priced spare parts List with name and address of technical service providers in India Training and installation at end-user site Proposal for full service AMC, year 1 to 5, covering (i) 2 preventive maintenances per year, (ii) on-call technical interventions, spare parts and travel Warranty for 2yrs</p>	
21	<p><u>Oxygen Concentrator:-</u> With in-built oxygen purity sensor.</p> <p>If the oxygen purity comes down below 85% audio visual alarm gets activated. Oxygen Concentrator to provide oxygen from air with Oxygen purity monitor. Sound Level \leq 47 Db with best quality superior grade molecular sieve, maintenance free Rotarypopet valve. Oxygen purity not less than 90-96% with oxygen output 5 Ltrs per minute and pressure 8 Psi minimum. With double outlet and oxygen tubes of 2 mtrs length. 2 Humidifier Bottle & 2 Cabinet filter. Power Requirement 220V/ 50Hz. Latest ISO 9001 Certificate and FDA 510K and CE Certificate to be attached. Supplied with: 1 Spare set of tubing 1 x spare internal & external bacterial filter 1 x spare set of fuse. User Manual with trouble shooting guidance in English Technical Manual Training installation at user site</p> <p>Warranty for 2yrs</p>	50
22	<p><u>Examination Light:-</u> <u>Description of Function:</u> Mobile operating light is required for doing surgeries in an emergency environment and the system can be moved from place to place. <u>Technical Specification:</u> Mobile light for medical examination. Stand with 5 anti-static swivel castors. Articulated arm 105 cm, spring loaded, with on/off switch and integrated transformer. Arm: Moulded plastic arm. Dome: Unbreakable poly carbonate dome with reflector. Dome rotation : 360 degree Halogen bulb: 12V/50W Light intensity approx.: 30,000 Lux at 40 cm Natural white light. <u>Eligibility Criteria:</u></p>	50

	<p>Should be FDA OR CE approved product. Manufacturer should be ISO certified for quality standards Should have local service facility. The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual Warranty for 2yrs</p>	
23	<p><u>Infantometerplexi, 3½ft/105cm:-</u> Portable baby/infant length- height measuring system Measures laying length of neonates and babies No need for calibration as all parts have prefixed position Reads in centimeters and inches Minimum graduation: 1 mm Long-lasting hard-wearing ruler/graduation is fully integrated with device Measuring slide/wedge glides smoothly and close via ruler, avoiding reading parallax Measuring slide/wedge wobbles max 2 mm, over full length No sharp edges or corners Long stable board, width: ca 30 cm Length, measurement range, approx:100 cm Head/footplate, board and slide/wedge should made of quality laminated wood or plastic Wood parts should be treated and finished/protected with varnish to prevent chipping of edges and allow easy cleaning; all connections should screwed/nailed plus glued Device is to be produced by ISO 9001 certified manufacturer Should be supplied with: User manual with trouble shooting guidance, in English List of priced accessories List of priced spare parts Warranty for 2yrs</p>	50
24	<p>Electronic Baby Weighing Machine 10 kg <5g> :-</p> <ul style="list-style-type: none"> • Electronic scale for weighing babies with Polycarbonate Pan • Measuring range 0 to approx. 10 kg • Minimum graduation: 5 g • With tare function • On switch and auto-off • Auto-calibration with each switch-on • Large LED display readable in low light working situations, display cover durable plastic • Display in kg and lbs., easy switch between kg and lbs. • Reading time max 5 seconds • Zero weighing adjustment • Temp Hold Facility • Smooth surface/finishing allows for easy cleaning/disinfection. • All vital parts made of rust proof materials • Horizontal leveling with height adjustable feet • Splash proof and shock resistant light-weight body 	50

	<ul style="list-style-type: none"> • Power requirements: 220 V / 50 Hz • Device is produced by ISO 9001 certified manufacturer (Certificate to be submitted CE/FDA/BIS approved product) <p>Supplied with:</p> <ul style="list-style-type: none"> 1 x spare set of fuses • User manual with trouble shooting guidance, in English • Technical manual with maintenance and first line technical intervention instructions, in English • List of priced accessories • List of priced spare parts • Warranty for 2yrs 	
25	<p>Foot Suction :-</p> <p>Max negative pressure valve : > 0.08MPa Negative Pressure Back-reduction while being closed. <0.005MPa/10 min Reservoir Capacity :- 1000 ml Pedal Pressure : < 245 N</p> <p>Warranty for 2yrs CE/FDA/BIS approved product)</p>	50
26	<p><u>Pulse Oxymeter (Baby):-</u></p> <p>Should have facility to display PR & SpO2 as standard parameter and within built rechargeable battery backup of at least 2 hours of operation. Color TFT display of size 7” or more Should have reliable and proven SpO2 technology to sense the SPO2 in hypotensive, shivering & motion condition, facility Should be able to store & display at least 24 hrs of trends Suitable for monitoring adult, Pediatric & neonatal patients, able to give visual & audible alarms Should have low battery indicator Should have optional CNS connectivity Should have Real Time clock</p> <p>Warranty for 2yrs</p>	50
27	<p><u>Syringe Infusion Pump :-</u></p> <p>Fully Microprocessor controlled Mains cum battery operated with built in battery and charger Should accept syringe size from 10ml to 60ml Should have Micro mode and continuous injection mode should be compatible with all major Indian and Foreign brand syringes Should have flow rates from 1ml / HR to 1200 ml/HR Should have high accuracy Should have adjustable bolus facility Bolus rate up to 1000ml/HR with 50/60ml syringe Should have 3 level occlusion pressure setting Should have audio visual alarm Should have battery backup up to 4 Hrs.</p>	50

	<p>should have anti reverse function to prevent upstream should have double CPU to ensure safety and reliability of infusion</p> <p>Warranty for 2yrs</p>	
28	<p><u>C-PAP :-</u> Should be suitable for neonatal patients. Should provide flows of a heated and humidified Air and O2 mixture under controlled pressure, by water and bubble column, providing a Continuous Positive Airway Pressure in non-invasive mode. Should have good quality calibrated blender for mixing of Air and Oxygen US FDA approved. It should have digital temperature indicating with at least 10 heating levels. Humidifier should have water level sensor with audio visual alarms and pressure relief valves. When an occlusion pressure occurs in the inspiratory branch, the circuit relief valve should limit the pressure excess in the line. It should be designed to operate with a pressure of 17cmH2O at flow of 5L/min. It should have O2 and Air pressure regulator valves with manometer to control the input pressure up to 3.5Kgf/cm2 and to protect the patient circuit. Blender output should be equipped with a flow meter. Should have relief valve to guarantee pressure to the system. Delivery system should have maximum input flow of 15l/min. CPAP pressure minimum should be 0 to 10 cmH2O. FiO2 concentration should be adjustable from 21% to 100%. All parts should be managed on a strong trolley type stand along with an IV pole. Temp. sensor which is to measure the temp. of the humid air should not be more than 2 inches away from the patients nostrils. The supply should be made with 5 kits with the BCPAP. The delivery kit should contain all the consumables needed for BCPAP. Each Kit should have Nasal Prong - 1 no., Bonnet - 1 no., Blue corrugated Tube - 1 no., Transparent Corrugated Tube - 1no. Elbows - 2 nos. Should be BIS/US FDA/ EUROPEAN CE approved.</p> <p>Warranty for 2yrs</p>	50
29	<p><u>Baby Incubator:-</u></p> <p>☐ The unit shall be useful for treating premature and low birth weight babies.</p> <p>☐ The salient features to include maintenance and control of temperature and Humidity in the baby compartment for safe neonatal care.</p> <p>☐ The design to incorporate all controls include microprocessor based servo controller for temperature control and to have digital display on the front panel, with dual colour digital display for Skin and Air temperature indication separately.</p> <p>☐ Temperatures setting from 30°C to 39.9°C.</p>	50

	<p>☐ The unit shall be incorporated with all the safety features on any malfunction or emergencies like power failure, High temperature etc.</p> <p>☐ The mechanical features should include clear canopy for visibility with front door opening and four port holes all over for easy handling of the baby in the canopy, flat perplex base without any dents for easy cleaning and disinfection control to be provided with a large mattress platform, suitable to tilt a desired angle, built in X-ray cassette tray.</p> <p>☐ The unit shall be mounted on a trolley fitted with suitable castors with breaks for the mobility and to have utility drawers for storing the emergency kits, baby needs and accessories.</p> <p>Warranty for 2yrs, Should be CE & ISO Certification</p>	
30	<p><u>Nebuliser :-</u></p> <p>Nebulizer Nebulization Rate..... 3cc H2O/8-11 minutes. Maximum Compressor Pressure... 25 psig by relief valve setting. Maximum Operating Pressure.....11-15 psig Free Air Flow..... 10 lpm. Compressor Type.....Piston Electrical Requirements..... 230V , 50 Hz-0.7 amps Power Consumption..... 70 watts Weight.....1.3 kgs In built thermal fuse for optimum safety Warranty for 2yrs</p>	50
31	<p><u>Vibration free refrigerator with servo voltage stabilizer:-</u></p> <p>Suitable for the primary requirements of every blood bank and hospital, to preserve and secure the vital supply of blood, plasma and other blood derivatives Mounted on a study angle frame the inner chamber is made up of S.S. and outer of M.S. duly enamel painted. The temperature should be maintainable at 4° C to 6° C for storing blood bottles or blood bags. Temperature should be controlled by Solid State Digital Indicator-cum-controller which triggers the Audio Visual Alarm in the event of fluctuation exceeding permitted tolerance. Unit should also fitted with door operated alarm and power supply failure alarm, as a safety device. Drawers are to be provided for 85 bags. The refrigerator should be vibration-free and supplied with servo voltage stabilizer. Should be CE, ISI/GMP, ISO 9001:2000, & 13485:2003 certificates. Warranty for 2yrs</p>	32
32	<p><u>Patient monitor system: (Should be of modular type and capable of monitoring adult, pediatric & neonatal patients.)</u></p> <p>Monitor should have minimum 12" T.S. display. Should be capable of 6 traces display.</p>	89

Monitor must be capable of simultaneously monitoring the following parameters which should be present as standard: ECG, NIBP, SpO2, invasive pressures (4), temperatures (2)

Should be upgradeable to monitor Cardiac output, SvO2, 4 channel direct EEG, capnography and BIS. Prices to be offered optionally ECG should have capability for 3, 5 and / or 10 lead monitoring and should have built in arrhythmia monitoring on all leads. Inbuilt ST segment analysis and arrhythmia detection for all the leads should be possible.

Hemodynamic and drug dose calculations should be available. Arrhythmia should be grouped based on classifications – and should show no of arrhythmias occurred.

Respiration should be available with Cardio Vascular Artifact filter.

OCRG should be available for monitoring neonates.

ICP monitoring should be possible.

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

24 hours trend data should be displayed.

All monitors including central station should have similar user interface for easy usage among all clinicians.

Monitor shall provide the capability to interact with alarms at remote bedsides.

Monitor shall provide the capability to receive and display real-time waveforms, trended data and alarm status from other bedside or telemetry units on the patient monitoring network.

Monitor shall provide the capability enter patient information at the bedside or central monitor.

Alarm limit status (ON/OFF) must be indicated on-screen for each parameter and actual parameter alarm settings must be displayed on-screen when alarms are on.

Should have internal rechargeable battery with back up of one hour

Position of the displayed waveforms must be user configurable.

Waveform color changing should be user configurable.

Monitor shall permit the optional ability to receive and display information from other patient devices such as ventilators, infusion pumps and other standalone devices.

All modules should be compatible with all monitors quoted.

Bed to bed communication between the monitors should be possible with out a central station.

Networking to central station should be possible.

Patient monitoring network shall use standard TCP/IP protocol and be capable of residing on hospital's network infra-structure.

Should be compatible with HIS and should be HL7 compliant.

Monitor should have capability to accommodate remote viewing

	<p>of real time waveforms through internet. Should have CE and FDA certifications.</p> <p>Accessories and spares</p> <ol style="list-style-type: none"> 1. ECG / respiration: 5 lead ECG cable and lead wire set 2. NIBP: Adult: 1 sizes and Pediatric 1 sizes and neonatal, 1 size per monitor 3. SPo2 Sensor: Adult sensor with cable, pediatric sensor with cable 4. IBP: Include 10 no's of disposable pressure transducer with bracket and interface cable per monitor 5. Temperature: Skin and nasopharyngeal probes per monitor. <p>Warranty for 2yrs</p>	
33	<p><u>Semi Auto Analyzer :-</u></p> <p><u>Specifications:-</u></p> <p>LIGHT SOURCE: Quartz-halogen lamp 12V-20W</p> <p>WAVELENGTH RANGE: Automatic by 12 position filter wheel, 6 standard interference Filters; 340,405,505, 546,578 & 620 nm, 6 positions for optional Filters.</p> <p>PHOTOMETRIC RANGE: -0.1 to 2.3 Absorbance.</p> <p>DETECTOR: Photo Diode (320 – 1000 nm)</p> <p>BLANKING: Automatic zero setting.</p> <p>OPERATOR INTERFACE: Membrane keyboard for direct function and alpha-numeric entry, Optional external keyboard, High contrast graphical LCD display. Real time clock, 24 hours system.</p> <p>LANGUAGES: English.</p> <p>MEASUREMENT PROCEDURES: Kinetic with linearity check, Kinetic with linearity check, Sample slope blank, two point kinetic with or without Reagent blank, End point with or without reagent blank, Bichromatic end point with or without reagent blank, End point with sample blank & with or without reagent Blank.</p> <p>MULTIPLE TESTING: Up to 9 replicates, Means, SD and CV.</p> <p>MEASURING TIME: Programmable, 2 to 999 seconds for kinetic & two point type of tests, For end point fixed at 2 seconds.</p> <p>DELAY TIME: Programmable, 0 to 999 seconds.</p> <p>METHOD PARAMETER SETTINGS: Method name, Measurement mode, Wavelength 1 & 2 Aspiration volume, Measurement delay, Measurement Time, Factor, Concentration standards, Reagent blankly/n Sample blank y/n, Units of results, Levels for flagging, Sample blank y/n, Units of results, Levels for flagging,</p> <p>CALIBRATION: Factor, one point, two point, multi point. Automatic on 1 standard (linear Mode), Automatic on up to 10 standards (nonlinear mode).</p> <p>QUALITY CONTROL: Two controls per test, QC survey for ast 30 control measurements, Levey Jennings plot, High/Low flags.</p> <p>KINETIC MEASURING TIME: Programmable, lowest 30 seconds.</p> <p>TIME: Programmable, lowest 30 seconds.</p> <p>TEMPERATURE CONTROL: By means of Peltier elements, fixed temperature at 37 degree C</p> <p>ASPIRATION SYSTEM: Internal pump of bellows type, driven by stepper motor, back panel Connection for waste, aspiration</p>	154

	<p>volume programmable. Back panel Connection for waste, aspiration volume programmable. Back panel Connection for waste, aspiration volume programmable. QUALITY: UL; CE; CB certificate. POWER REQUIREMENTS: 100 – 240 VAC nominal, 50/60Hz. Battery back-up to retain data. Warranty for 2yrs</p>	
34	<p><u>Electricentrifuge, table top :-</u> The centrifuge should be suitable for high speed centrifuging applications. The equipment is to be provided with speed control, digital temperature control cum indicator, Digital timer with a range of 0-99 minutes and alarm at automatic switching off, dynamic brake, Zero start interlock, safety cut off in case of imbalance and lid locking switch etc. General Purpose Laboratory Centrifuge Max. Speed RPM20000 Max. RCF x g34500 Max. Tube Size100 ml Max. Capacity 400 ml Warranty for 2yrs Should be CE ,ISI/GMP, ISO 9001:2000 & 13485:2003 certificates</p>	154
35	<p><u>Spot Light</u> Intensity: 20000 ± Lux Halogen Bulb: 12V – 50 W Reflector: Metallic Warranty for 2yrs</p>	337

ANNEXURE XIII E

SPECIFICATIONS & DETAILS OF ITEMS
GROUP (E)

SI	Specifications	Qty (Nos.)
1	<p><u>Patient's Examination Couch with Foot Step (Single):-</u></p> <p>Overall approx. size should be 1830mm L x 500mm W x 820mm H. minimum</p> <p>Fixed upholstered top 50mm thick in two sections.</p> <p>Body frame work should be made from 20G CRCA sheet.</p> <p>Couch should be fitted with mild steel legs.</p> <p>Headrest adjustable by gas spring.</p> <p>Upper section of box approx. size 1200mm L x 450 mm W x 610mm H with three sliding drawers with separate doors.</p> <p>Sliding foot step under the front side of lower middle cabinet.</p> <p>B.P. apparatus tray made of 18G MS sheet of approx. size 350 mm L x 120mm W x 20mm H provided on a swinging rod rotating through a bush fixed on the body of the couch.</p> <p>Supplied with Single Foot Step.</p> <p>All MS parts should be pre-treated in Seven Tank & Powder Coated.</p> <p>Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000,ISO 14001:2004 & 13485:2003 certificates</p> <p><i>Warranty for 2yrs</i></p>	688
2	<p><u>Revolving Stool :-</u></p> <p>Overall all height adjustable Approx. Size: 480mm to 670mm H</p> <p>Tubular four legs base of 25.4 x 18g ERW tube.</p> <p>300mm dia SS Top Height adjustment by screw mechanism.</p> <p>The legs should be fitted with high quality PVC shoes with nylon reinforcement.</p> <p>All MS Parts should be 7 tanks Pre-treated & powder coated & SS parts finished with glossy polish. Minimum 30 mm</p>	446

	<p>Cushioned top with waterproof rexine cover. Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000, ISO 14001:2004 & 13485:2003 certificates. Warranty for 2yrs</p>	
3	<p><u>Doctor's Table :-</u> Size :1200 X 750 X 750 BEECH with 2 drawer hanging unit, Size: 400 X 400 X 300, Table Top: Table tops made of 25mm (minimum)Pre-laminated particle board of E-1 Grade Conforming to IS : 12823 of desired color with PVC edge banding. All exposed edge sealed by 2mm (minimum)thick PVC Imported edge Banding. Table Top Support: 18 mm thick PLB gable ends & 18 modesty Panel Warranty for 2yrs Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000, ISO 14001:2004 & 13485:2003 certificates.</p>	338
4	<p><u>Doctor's Chair :-</u></p> <ul style="list-style-type: none"> · Cushioned seat and back. · Pneumatic height adjustable. · Height adjustable and swinging back rest · 5 legs chrome plated base with foot ring <p>Base fitted with 50 mm dia castors Warranty for 2yrs Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000, ISO 14001:2004 & 13485:2003 certificates.</p>	200
5	<p><u>Visitor's Chair :-</u> The frame is made out of 25mm thick tube Thermo set powder coating by epoxy polyester hybrids to a thickness of 40 – 50 microns after 7 step pre-treatment processes. Seat: Made of 12mm thick plywood cushioned with 37mm thick PU foam of density 32. Back: Made of 10mm thick plywood, cushioned with 25mm thick PU foam of density 26. Fabric: Colour from fabric shade card Dimensions: Seat Width: 440mm, Seat Height: 460mm & Seat Depth: 425mm Overall Height: 810mm & Overall Width: 550mm Warranty for 2yrs Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000, ISO 14001:2004 & 13485:2003 certificates.</p>	400
6	<p><u>Bed side screen-3 Fold:-</u> Overall Size : 1680mm L x 2450mm W Tubular frame work should be made from 19mm dia x 1.2mm ERW CRCA tubes. Legs Base should be made from dia 25.4mm x 1.2mm tube ERW CRCA Tubes Fitted with 50mm dia non-rusting castor.</p>	1509

	<p>Middle panel should be 1220mm and side panels 610mm each side. Should have curtain hooks and wire. Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000, ISO 14001:2004 & 13485:2003 certificates. Warranty for 2yrs</p>	
7	<p><u>Invalid Wheel Chair:-</u> Should be Folding type, made of mild steel tubular construction OD 22 mm. With fixed arm rest and fixed aluminum foot rests with folding action. Seat and back rest should be of superior quality leatherite. Two rear solid rubber typed bicycle wheel, dia 24 inch with Self propelling hoops fitted with hand brakes. Two front swivel castor of 200mm chrome-plated finish. Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000, ISO 14001:2004 & 13485:2003 certificates. Warranty for 2yrs</p>	281
8	<p><u>Stretcher-on-trolley:-</u> Made of SS 304 grade SS pipes. Overall approx size: 2130mm L x 560mm W x 810mm H. Frame work should be made of ERW CRCA tubes welded with vertical upright of 31.75 mm OD x 18G ERW tubes, reinforced at bottom with 35mm OD x 18G for fitting 150mm dia swivels castors wheels, all without brake. All horizontal stays should be made of 25.4mm OD x 18G tube. Stretcher made of 20 G sheet dished in the middle & supported horizontally on 25.4mm OD x 18G tubes. Three additional 25 x 5mm flat supports welded to support MS sheet top from underneath widthwise. Pushing handle at both ends shall be made of 25.4 mm x 18G SS tube. Four stump legs of 25.4mm x 14G ERW tube should be welded at the bottom of the stretcher frame. Should be fitted with PVC or synthetic material having Nylon reinforced. All MS parts should be 7 tank pre-treated & Powder Coated. Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000,ISO 14001:2004 & 13485:2003 certificates. Warranty for 2yrs</p>	274
9	<p><u>Patient Waiting Chair :-</u> Waiting area chairs -Option for 2 or 3 seater Ergonomically designed seat/back Twin tube designer under structure Waterfall seat edge With/ without arms Dimensions Width Depth Height Seat height 3 Seater 152 46 85 46 Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000, ISO 14001:2004 & 13485:2003 certificates.</p>	281

	Warranty for 2yrs	
10	<p><u>Dispensing Table :-</u> MS Frame with SS top. 180 X 60 X 46 cm, Epoxy powder coated Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000, ISO 14001:2004 & 13485:2003 certificates. Warranty for 2yrs</p>	216
11	<p><u>Medicine Rack :-</u> Should be made of heavy MS Sheet all three sides Heavy front door frame with glass/polycarbonate panel Glass shelves removable. Door with lock & key White Spray Painted Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000, ISO 14001:2004 & 13485:2003 certificates. Warranty for 2yrs</p>	299
12	<p><u>Almirah for Medicines :-</u> Spray Painted Should be made of heavy MS Sheet all three sides as well as front door. Shelves removable. Door with lock & key Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000, ISO 14001:2004 & 13485:2003 certificates. Warranty for 2yrs</p>	566
13	<p><u>Office Table :-</u> Size :1200 X 600 X 750 BEECH with 2 drawer hanging unit Size: 400 X 400 X 300 Table Top: Table tops should be made of 25mm (minimum) Pre-laminated particle board of E-1 Grade of desired color with PVC edge banding. All exposed edge should be sealed by 2mm (minimum) thick PVC Imported edge Banding. Table Top Support: 18 mm thick PLB gable ends & 18 modesty Panel Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000, ISO 14001:2004 & 13485:2003 certificates. Warranty for 2yrs</p>	200
14	<p><u>Office Chair :-</u> Nylon base with glass filled Nylon castors gas lift with 100mm travel. Synchronic Tilt Mechanism with Single Position Lock Should be Thermo set powder coating by epoxy polyester hybrids. Seat should be made out of 4mm & 15mm molded hot pressed plywood cushioned with high-density pre-molded foam of 55 – 60 density. Back is to be made out of mesh back fabric. Arms – High density height adjustable cushioned</p>	285

	<p>polyurethane – padded arms.</p> <p><u>Dimensions:</u> Chair Height – 900mm to 1000mm, Chair Width – 600mm (Center arm to arm), Seat Height 400mm to 500mm, Arm Height 190mm to 290mm & Seat Depth 550mm Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000, ISO 14001:2004 & 13485:2003 certificates.</p> <p>Warranty for 2yrs</p>	
15	<p><u>Hydraulic OT Table :</u></p> <p>Five Section Stainless steel top S.S. covered base with auto-locking Device, Complete with all standard Accessories including water proof mattress. Overall size: 72" x 20" x 32" Height:- Fixed. Range of positions:- Straight, trendelenburg & reverse tredlenburg, chair, lithotomy positions. Should be CE ,ISI/GMP,OHSAS 18001:2007,ISO 9001:2000,ISO 14001:2004 & 13485:2003 certificates.</p> <p>Warranty for 2yrs</p>	285
16	<p><u>Instrument Cabinet. :-</u></p> <p>Compact cabinet should be made of 3 sides close MS Sheet having polycarbonate door panel in the front. Five adjustable 6.0mm polycarbonate shelves & front lockable door with 4mm polycarbonate panel Pre-treated and oven baked finish Size : (H) 63" x (B) 24" X (D) 18" Should be CE, ISI/GMP,OHSAS 18001:2007,ISO 9001:2000,ISO 14001:2004 & 13485:2003 certificates.</p> <p>Warranty for 2yrs</p>	244
17	<p><u>IV Stand:-</u></p> <p>Made of 304 Grade SS pipes, Moulded five-spiked base on 50 mm castors, 304 Grade SS adjustable rod with double hook. Manufacturer should be ISO 9001:2008 & 13485 certified and must have CE, SSI Certificate and must be registered with Registrar of Firms</p> <p>Warranty for 2yrs</p>	407
18	<p><u>Dressing Trolley:-</u></p> <p>Should be made from SS 16SWG pipes having two SS Machine pressed dipped tops provided with four-side side railing, holder cage for bowl and bucket, SS bowl and bucket, push handle, on 10cms castors. Dimension: 76 L x 46 W x 81 H cms. Manufacturer should be ISO 9001:2008 & 13485 certified and must have CE, SSI Certificate and must be registered with</p>	230

	Registrar of Firms. Warranty for 2yrs	
19	<p><u>Hospital Bed with Mattress</u> :-</p> <p>Frame should be made of rectangular 16 G CRCA pipes, 18 G CRCA perforated sheet top, SS head and foot bows should be fitted with laminated wooden boards, provided with mattress guard, provision for fixing IV/Saline rod, pre-treated in 7 Tank hot processes and powder coated. Dimension: 203 L x 90 W x 60 H cms. 4" Supplied with Foam Mattress covered with water proof rexine.</p> <p><u>Specifications of mattress</u>:- (uni to dme). Single section Mattress with 4" thick PU Foam of 32 densities covered with PVC Rexine.</p> <p>Mattress of the bed is made up of foam with anti-microbial agent incorporated into all components for prohibiting growth of bacteria and fungi. Sealed stitches and water proof zip.</p> <p>Standard Accessories: Mosquito net poles set. Warranty: 02 years Manufacturer should be ISO 9001:2008 & 13485 certified and must have CE, SSI Certificate and must be registered with Registrar of Firms Warranty for 2yrs</p>	2439
20	<p><u>ICU Bed</u> .:-</p> <p>Frame made of 16 G CRCA rectangular pipes, 18G CRCA sheet four section perforated top with back-rest, knee-rest, Trendelen-burg's and reverse Trendelen-burg's position, Hi-Lo (high-low) height adjustable (positions maneuverable by four separate screw mechanisms) imported ABS panels/head and leg bows, Aluminium Collapsible Side Rails, provided with one number IV/saline rod with provision for fixing IV/saline rod at four corners of the bed frame, 15 cms diameter swiveling castors which two with brakes. The bed is pre-treated in 7 tank hot process and powder coated. Dimension 203L x 90Wx 60-80 H Cms (approx.). Manufacturer should be ISO 9001:2008 & 13485 certified and must have CE, SSI Certificate and must be registered with Registrar of Firms. Warranty for 2yrs</p>	300
21	<p><u>Fowler Bed</u>:-</p> <p>Frame made of 16 G CRCA rectangular pipes, 18G CRCA sheet four section perforated top with back-rest, knee-rest maneuverable from foot-end by separate screws, imported ABS panels/head and leg bows, provision for fixing IV/saline rod at four corners of the bed frame, provided with mattress guard at four locations, the rod mounted on 10 cms diameter swiveling castors which two with brakes. The bed pre-treated in 7 tank hot process and powder coated. Dimension: 203 L x 90 W x 60 Hcms(Approx.). . Manufacturer should be ISO</p>	450

	<p>9001:2008 & 13485 certified and must have CE, SSI Certificate and must be registered with Registrar of Firms</p> <p>Warranty for 2yrs</p>	
22	<p>Semi-Fowler Bed:-</p> <p>Frame made of 16G CRCA rectangular pipes, 18G CRCA sheet two section perforated top with back-rest maneuverable from foot-end by screw, imported ABS panels/head & Foot Bows, bed mounted on rubber stumps, provided with mattress guard on four locations, provision for fixing IV/Saline rod. The bed pre-treated in 7 tank hot process and powder coated. Dimension: 203L x 90 W x 60 H cms (Approx.). Manufacturer should be ISO 9001:2008 & 13485 certified and must have CE, SSI Certificate and must be registered with Registrar of Firms.</p> <p>Warranty for 2yrs</p>	450
23	<p>Bed Side Locker:-</p> <p>Approximate dimension: 16" L x 16" W x 32" H. Should be made of 20 G MS CRCA Sheet. Should be Joint less SS top with 3 sides raise edges. Should have one storage cabinet and one drawer under the top and space for keeping utilities between the drawer and cabinet. Legs should be fitted with 2 non-rusting castors of 50mm dia and 2 PVC Stumps on front side. 2 Rubber / PVC Buffer should be provided at rear side of the locker. Pre-treated in seven Tank and Epoxy Powder Coated. Should be CE, ISI/GMP,OHSAS 18001:2007,ISO 9001:2000,ISO 14001:2004 & 13485:2003 certificates.</p> <p>Warranty for 2yrs</p>	2048
24	<p>Foot Step Double:-</p> <p>Overall Approx. size: 510mm L X 300mm W x 230/450 H First Step height should be 230mm approx.& second step size 450mm approx. step should be made of 18G CRCA sheet. Welded on MS. Tubular frame of 25.4mm x 18G fitted with aluminum treated flats of size: 500mm L x 32mm W x 3 mm thick, fitted by aluminum pop rivet. The legs should be fitted with high quality PVC shoes with nylon reinforcement. All MS parts should be 7 tank pretreated & powder coated. Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000,ISO 14001:2004 & 13485:2003 certificates.</p> <p>Warranty for 2yrs</p>	306
25	<p>Mayo's Instrument Trolley. :-</p> <ol style="list-style-type: none"> Overall Approx. Tray Size: 560L x 400W mm Should be Adjustable height of tray Approx. 760 x 1270mm through gear handle Frame work should be made of 50 x 30 x 1.22 mm rectangular M.S. Tubes. 	1000

	<p>d) Vertical Tube should be made of 50 mm x 50 mm x 1.22mm MS Tubes.</p> <p>e) Tray should be made of 0.9mm thick S.S. 304 Grade sheet.</p> <p>f) Tray frame should be made of 9mm SS Rod</p> <p>g) Trolley should be mounted on 50mm dia non-rusting castors</p> <p>h) MS Parts should be pre-treated in 7 tanks and powder coated.</p> <p>i) Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000,ISO 14001:2004 & 13485:2003 certificates</p> <p>Warranty for 2yrs</p>	
26	<p><u>Field Type OT Table:-</u></p> <p>Size 72" X 27" X 30" frame made of heavy tubular steel with Strong mechanism for height adjustment. Stainless steel top in Sections. Detachable leg side complete with anesthetist screen Lithotomic rods with straps & arm rest.</p> <p>Should be CE, ISI/GMP, ISO 9001:2000, & 13485:2003 certificates.</p> <p>Warranty for 2yrs</p>	50
27	<p><u>Instrument Trolley. :-</u></p> <p>Should be made of SS 16 SWG pipes/ 20 SWG two shelves, provided with three-side side railing on top, having four side-railing on bottom self, on 7.5cms castors. Dimension: 60L x 46W x 81H cm.</p> <p>Manufacturer should be ISO 9001:2008 & 13485 certified and must have CE, SSI Certificate and must be registered with Registrar of Firms.</p> <p>Warranty for 2yrs</p>	230
28	<p><u>Labour Table :-</u></p> <p>j) Overall Approx. Max. Size 72" x 27" x 30"</p> <p>k) Frame work should be made of 31mm x 18G and supporting tubes made of 25mm x 18G S.S. Tube</p> <p>l) Leg should be fitted with PVC Stamps.</p> <p>m) 3 Section Top should be made of Bakelite sheet.</p> <p>n) Back rest section should be adjustable on ratchet mechanism.</p> <p>o) Leg end section should be slide under the main section by smooth mechanism</p> <p>p) The entire table top gives trendlenburg position by screw system.</p> <p>q) Should have Height adjustable a pair of leg holders with straps.</p> <p>r) Complete with self-locking traction handle at side, SS IV Rod and foam mattress.</p> <p>s) MS Parts should be pre-treated in 7 tanks and powder coated.</p> <p>t) Should be CE,ISI/GMP,OHSAS 18001:2007,ISO 9001:2000,ISO 14001:2004 & 13485:2003 certificates.</p> <p>u) Warranty for 2yrs</p>	229

ANNEXURE XIII F

SPECIFICATIONS & DETAILS OF ITEMS
GROUP (F)

Si No	Specification	Qty (No)
<u>1</u>	<u>BPMachine(Mercurial)</u> First grade quality - virgin material used Purity of mercury 99.99% due to assured triple distillation process 0 to 300 mm of Hg scale with elegant finish, fine numbering and durable background contrast paint for clear visibility Fused type, permanent graduation marking on the glass tube Special control valve for perfect pressure drop Best quality cuff for getting excellent grip Surface plating adapted to all exposed metal parts to prevent corrosion Classic Hi-stove painting to the body of the instrument to withstand in any climate Optimum damping effect provided for easy and fast measurement Should be CE & ISO Certified/ISI Marked. <i>Warranty for 2yrs</i>	<u>688</u>
<u>2</u>	<u>Weighing Machine (Adult) :-</u> Size: 30 x 23.5 x 5.5 cm Capacity: 125 x 0.5 kg Weight: 2.2 Kg Smartly Styled Scale with unique sunken lens Should have latest comfortable 'Feet Positioning 'design with centre parting height weight chart. Should be CE & ISO Certified Required registration from the Legal Metrology, Weights & Measures for both the manufacturer as well as dealer. <i>Warranty for 2yrs</i>	<u>688</u>
<u>3</u>	<u>Weighing Machine (Baby cum Child):-</u> Weights & Measures sealed, with separable baby tray, Epoxy powder coated. with S.S. Pan, capacity 15kg X 50gms Required registration from the Legal Metrology, Weights & Measures for both the manufacturer as well as dealer. Should be CE & ISO Certified <i>Warranty for 2yrs</i>	<u>688</u>
<u>4</u>	<u>Thermometer:-</u> Oral use with ISI mark Yellow- state of art of thermometer Yellow capillary/glass tubing Range: 35°C to 42°C(94°F to 108/110°F)	<u>1500</u>

	<p>Packing: Blister Pack Should be CE & ISO Certified</p> <p>Warranty for 2yrs</p>	
<u>5</u>	<p><u>Stethoscope:-</u> Combined Adult and Pediatric Aluminum anodized finished Chest piece. Ultra-Sensitive Diaphragm for greater amplification. Colour coordinated Non-Chill bell and Snap On. Ring to retain diaphragm for patient comfort. Complete with an accessory case containing. 2 spare diaphragms and one set of ear tips. Extra-thick tubing walls minimize extraneous noise. Includes ID Tag. Should be CE & ISO Certified Three year warranty against any mfg. defect.</p> <p>Warranty for 2yrs</p>	<u>1500</u>
<u>6</u>	<p><u>X-Ray View Box :-</u> X-Ray View Box Double Film with two tubes and epoxy powder coated deluxe. Should be CE & ISO Certified</p> <p>Warranty for 2yrs</p>	<u>688</u>
<u>7</u>	<p><u>Autoclave ISI Mark No. 8462 with dressing drums:-</u> Portable vertical sterilizer autoclave seamless made out of thick high quality stainless steel sheet, deep drawn to cylindrical shape, having no joints and welding, seamless construction which shall allow no bacteria residue and free from dirt accumulation. Size: 350 mm diameter x 300-325 mm height. Warranty:- 01 year <u>Dressing drums</u> ISI Mark No. 3831, without any joints. Size: 225 x 225 mm 275 240 mm</p> <p>Warranty for 2yrs Should be ISO Certified.</p>	<u>354</u>
<u>8</u>	<p><u>Electric Sterilizer Seamless shell, with automatic lifting handle with tray all supplied with power cord.:-</u> <u>Specifications:-</u> a) <u>Electric Sterilizer – Big</u> –Should be IS : 5022–1989 Made of Seamless S.S. Sheet of grade-304 (18 Cr-8 Ni). Suitable for 220V, 50 Hz, Single Phase, AC Supply. L: 510, W: 200, H: 150mm, Power: 2.00 Kw</p> <p>b) <u>Electric Sterilizer – Medium</u> –Should be IS : 5022–1989 Made of Seamless S.S. Sheet of grade-304 (18 Cr-8 Ni).</p>	<u>297</u>

	<p>Suitable for 220V, 50 Hz, Single Phase, AC Supply. L: 430, W: 200, H: 150mm, Power: 1.50 Kw</p> <p>c) <u>Electric Sterilizer – Small</u> –Should be IS : 5022–1989 Made of Seamless S.S. Sheet of grade-304 (18 Cr-8 Ni). Suitable for 220V, 50 Hz, Single Phase, AC Supply. L: 400, W: 150, H: 125mm, Power: 1.00 Kw</p> <p>Warranty for 2yrs</p>	
<u>9</u>	<p><u>Oxygen Cylinder B Type with flowmeter and wrench.:-</u> The oxygen cylinder should confirming to IS : 7285 (Part 1) – 2004 and with appropriate valves confirming to IS: 3224-2002 for Medical oxygen gas service Cylinders subjected to hydrostatic stretch test at pressure of 250 Bar as required under rule 35 of the Gas Cylinder Rules , 2004. 10 trs water capacity. Supplied with Flow meter and wrench.</p> <p>Warranty for 2yrs</p>	<u>674</u>
<u>10</u>	<p><u>Oxygen Cylinder Trolley. :-</u> Should be suitable for 10 liter gas cylinder. MS tubular frame work should be made of approx. 25.4mm x 18G MS Round tube fitted with two rubber wheels, 100mm dia trolley should have locking provision made of 5mm x 25mm thick MS Flats. Trolley should be fitted with MS Base of 16G sheet. All MS parts should be 7 tanks pretreated & powder coated. Should be CE, ISI/GMP, OHSAS 18001:2007, ISO 9001:2000,ISO 14001:2004 & 13485:2003 certificates.</p> <p>Warranty for 2yrs</p>	<u>250</u>
<u>11</u>	<p><u>Kidney Tray SS.:-</u> Kidney Tray SS.As Per IS: 3992-1982 (Heavy Quality) Size: 250 x 100 300 130</p> <p>Warranty for 2yrs</p>	<u>237</u>
<u>12</u>	<p><u>Instrument Tray with cover SS.:-</u> Instrument Tray with cover SS Seamless IS 3993-192.The finished thickness should not be less than 0.5 mm. Size: 350 x 250 mm 450 300 mm</p> <p>Warranty for 2yrs</p>	<u>400</u>
<u>13</u>	<p><u>Needle Destroyer-cum-Hub Cutter :-</u></p> <ol style="list-style-type: none"> 1. Compact Device that fits easily on the desktop. 2. Portable, safe and cost effective system which creates save environment for Doctors, Nurse, Pathologist, Healthcare professionals and patients. 3. Cutter: Very high grade imported steel which does not rust or becomes blunt even after long use. 4. Body should make up of ABS plastic which avoids rusting and electric shock. 	<u>725</u>

	<p>5. Electrodes should be copper electrode Nickle plate.</p> <p>6. Temperature: Burningdeg.c should be 1600c.</p> <p>7. Steel Grade should be SS316L which can cut syringe hub and burn needle approx. 25000 pcs to 28000pcs and life is 2-years minimum.</p> <p>8. Supplied with Removable discharge tray for easy disposal of needle ash and syringe hubs.</p> <p>9. Power consumption of continuous rating in use should be 60w.</p> <p>10. Shock proof ,fuse protection having, OFF & ON switch.+</p> <p>Warranty for 2yrs</p>	
<u>14</u>	<p><u>Bowl Stand with bowl:-</u></p> <p>Five legs base mounted on 5cms dia castors. With two approx. 35 cm SS Basin Frame should be made of SS Pipe & SS rings. Should be CE ,ISI/GMP, ISO 9001:2000 & 13485:2003 certificates</p> <p>Warranty for 2yrs</p>	<u>224</u>
<u>15</u>	<p><u>Instruments for Normal and Epistomy Delivery :-</u> Should be, ISO 9001:2000 & 13485:2003 certificates</p> <p>Vaccum extractor, Maelstrom :- 1 Forceps obstetric, Wrigley's, 280 mm, stainless steel :- 1 Forceps, obstetric, Barnes-Neville, with traction, 390mm:- 1 Forceps, sponge holding, straight 228 mm, stainless steel:- 4 Forceps, artery, Spencer-Wells, straight, 180mm-ss :- 2 Forceps, artery, Spencer-Wells, straight, 140mm-ss :- 2 Holder, needle straight, Mayo-Hegar, 175 mm-ss :- 1 Scissors, ligature, Spencer, 130 mm, stainless steel:- 1 Scissors, episiotomy, angular, Braun, 145 mm, stainless steel:- 1 Forceps, tissue, spring-type, 1 x 2 teeth, 160 mm-ss :- 1 Forceps, tissue, spring-type, serrated ups, 160mm-ss :- 1 Catheter, urethral, rubber, Foley's 14 ER :- 1 Catheter, urethral, Nelaton, set of five (Fr 12-20) rubber:- 1 Forceps, backhaus towel -130 mm-ss :- 4 Speculum, vaginal, Sim's, double-ended # 3-ss:- 1 Speculum, vaginal, Hamilton-Bailey :- 1</p> <p>Warranty for 2yrs</p>	<u>269</u>
<u>16</u>	<p><u>Wall Clock :</u></p> <p>Around 8 inch diameter-Round type Having pointer for second, Analog Type.</p> <p>Warranty for 2yrs</p>	<u>1000</u>
<u>17</u>	<p><u>Nitrous Oxide Cylinder 5 Ltrs:-</u></p> <p>Brand New High Pressure Seamless Cylinders for Nitrous Oxide Gas, duly filled with gas, 'A' type. Having water Capacity 5Litres, Cylinders should be "ISI" Marked, Conforming to IS: 7285 Specification, Fitted with Pin Index flush type Valve, painted as specified under Gas Cylinders Rules 1981.</p> <p>Warranty for 2yrs</p>	<u>2000</u>

<p>18</p>	<p><u>Oxygen Cylinder A Type:-</u> Brand New High Pressure Seamless Cylinders for Oxygen Gas, duly filled with gas 'A' type. Having water Capacity 5Litres, Cylinders should be "ISI" Marked, Conforming to IS: 7285 Specification, Fitted with Pin Index flush type Valve, painted as specified under gas cylinders rules 1981. Warranty for 2yrs</p>	<p><u>2000</u></p>
<p>19</p>	<p><u>Instrument for C-Section and other operations.:-</u> Should be CE, ISO 9001:2000, & 13485:2003 certificates a) Delivery Kit Trolley, dressing carriage size 76C, long x 46 cm wide and 84 cm high. Ref. IS 4769/1968 1 1Pc. Towel, trolley 84 cm x 54 cm 2Pc Gown, operation, cotton 1Pc Cap. Operation, surgeon's 36 x 46 cm 2 2Pc Gauze absorbent non-sterile 200 mm x 6 m as per IS: 171/1985 2Pc Tray instrument with cover 450 mm (L) x 300 mm (W) x 80 mm (H) 1 Pc Macintosh, operation, plastic - 2Pc. Mask, face, surgeon's cap of rear ties: B) Beret type with elastic hem 2pcs , Towel, 2 pcs gloves 3 Pairs Cotton wool absorbent non-sterilize 500G 2Pc Drum, sterilizing cylindrical – 275 mm Dia x 132 mm, ss as per IS: 3831/1979 2Pc Table instrument adjustable type with tray ss 1Pc.</p> <p>b) Episiotomy kit Vacuum extractor, Malastrom 1 1 Forceps obstetric, Wrigley's, 280 mm, stainless steel 1 Forceps, obstetric, Barnes-Neville, with traction, 390mm 1 Forceps, sponge holding, straight 228 mm, stainless steel 4 Forceps, artery, Spencer-Wells, straight, 180mm-ss 2 Forceps, artery, Spencer-Wells, straight, 140mm-ss 2 Holder, needle straight, Mayo-Hegar, 175 mm-ss 1 Scissors, ligature, Spencer, 130 mm, stainless steel 1 Scissors, episiotomy, angular, Braun, 145 mm, stainless steel 1 Forceps, tissue, spring-type, 1 x 2 teeth, 160 mm-ss 1 Forceps, tissue, spring-type, serrated ups, 160mm-ss 1 Catheter, urethral, rubber, Foley's 14 ER 1 Catheter, urethral, Nelaton, set of five (Fr 12-20) rubber 1 Forceps, backhaus towel -130 mm-ss 4 Speculum, vaginal, Sim's, double-ended # 3-ss 1 Speculum, vaginal, Hamilton-Bailey 1</p> <p>c) Forceps Delivery Kit Forceps, obstetric, Neville-Barnes, W/traction 390 mm 1</p>	<p><u>107</u></p>

	<p>Hook, decapitation, Braun, 300 mm, stainless steel 1 Hook, crochet, obstetric 300 mm, Smellie, stainless steel 1 Bone, forceps, Mesnard 280 mm, stainless steel 4 Perforator, Smellie, 250 mm, stainless steel 1 Forceps, cranial, Gouss, straight, 295 mm-ss 1 Cranioclast, Braun, stainless steel, 365 mm long 1 Scissors ligature Spencer 130 mm, stainless steel 1 Forceps sponge holding, 22.5 cm straight – ss 1 Forceps, tissue, spring-type, 1 x 2 teeth, 160 mm, stainless steel 1 Forceps, tissue, spring-type, serrated tips, 160 mm-ss 1 Forceps, artery, Spencer–Wells, straight, 180 mm-ss 2 Forceps, artery, Spencer-Wells, straight, 140 mm-ss 2 Forceps, scalp flap, Willet’s 190 mm –ss 4 Forceps, Vulsellum, duplay double curved, 280 mm-ss 4 Forceps, Vulsellum, duplay double curved, 240 mm-ss 1 Catheter, urethral, 14 Fr. Solid tip, one eye, soft rubber 3 47 Holder, needle, Mayo-Hegar, narrow jaw, straight, 175 mm-ss 1 Speculum vaginal bi-valve, Cusco-medium, stainless steel 1 Speculum, vaginal sim’s double-ended, size # 3-ss 1 Forceps, Backhaustowel, 130 mm, stainless steel Warranty for 2yrs</p>	
20	<p><u>Micropipettes:-</u> Single Channel Variable volume Micro pipettes a. 10µl – 100 µl b. 100 µl - 1000 µl c. 5 µl – 50 µl 8 Channel Micropipette a. 10 µl – 100/200 µl b. 100 µl – 300 µl Warranty for 2yrs</p>	234
21	<p><u>Neonatal Resuscitation Kit :-</u> Infant Resuscitator with 250 ml Silicone Bellow, pressure release valve Silicone Face Mask (Anatomical): Autoclavable & reusable in sizes 00, 01 Foot Suction: Compact, lightweight, easy to handle and operate, Durable rubber bellow, Long lasting stainless spring to provide friction free pumping Completely Autoclavable polycarbonate vacuum jar with lid (500ml capacity), Scratch Proof power coated frame Laryngoscope: Stainless Steel Straight blades of Size 0& 1 No. Silicone airways: Autoclavable and reusable in Size 000& 00 No. Should be CE ,ISI/GMP, ISO 9001:2000 & 13485:2003 certificates Warranty for 2yrs</p>	50
22	<p><u>Vacuum Extractor:</u></p>	50

	<p>Should consist of 03 stainless steel/plastic (autoclavable) cups, rubber pressure tube, suction pump, traction handle, glass jar fitted with vacuum gauge and control valve. Should be supplied completely in a carrying case. Should be CE ,ISI/GMP, ISO 9001:2000 & 13485:2003 certificates</p> <p>Warranty for 2yrs</p>	
<u>23</u>	<p><u>Oxygen Cylinder A Type with Humidifier:-</u></p> <p>Brand New High Pressure Seamless Cylinders for Oxygen Gas, duly filled with gas 'A' type. Having water Capacity 5Litres, Cylinders should be "ISI" Marked, Conforming to IS: 7285 Specification, Fitted with Pin Index flush type Valve, painted as specified under gas cylinders rules 1981 with humidifier</p> <p>Warranty for 2yrs</p>	<u>1000</u>

THIS CONTRACT AGREEMENT is made

This day of month..... year.....

BETWEEN

(1) Name and Address of the Purchaser:

(2) Name and Address of the Supplier:

WHEREAS the Purchaser invited bids for certain goods and ancillary services, viz., [insert: brief description of goods and services] and has accepted a bid by the Supplier for the supply of those goods and services in the sum of [insert: contract price in words and figures] (hereinafter called "the Contract Price")

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meaning as are respectively assigned to them in the Condition of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and constructed as an integral part of the Contract:
 - (a) This Contract Agreement
 - (b) Special Conditions of Contract
 - (c) General Conditions of Contract
 - (d) Technical Requirements (including Technical Specifications)
 - (e) The Supplier's bid and original Price Schedules
 - (f) The Purchaser's Notification of Award
 - (g) [Add here: **any other documents**]
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

For and on behalf of the Purchaser

Signed: _____

In the capacity of [insert: **title or other appropriate designation**]
In the presence of _____
For and on behalf of the supplier

Signed: _____
In the capacity of [insert: **title or other appropriate designation**]

In the presence of _____