

DR BHUBANESWAR BOROAH CANCER INSTITUTE

A Grant-in-Aid Institute of Department of Atomic Energy, Govt. of India

And a unit of Tata Memorial Centre (Mumbai)

A. K. Azad Road, Gopinath Nagar, Guwahati-781016, Assam, India

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NIT No. BCCI-TMC / Misc-27/NIT/4316/ 2019

Date: 24.12.2019

TENDER FORM

The Director, Dr Bhubaneswar Boroah Cancer Institute (BBCI), A.K. Azad Road, Gopinath Nagar, Guwahati 781016 invites sealed tenders for the supply & installation of following items for establishment of proposed pediatric Ward at Dr. B. Boroah Cancer Institute, Guwahati under CSR initiatives of Numaligarh Refinery Limited, Guwahati as per technical specifications mentioned in **Schedule - I** of the tender to be placed at **BBCI, Gopinath Nagar, A.K. Azad Road, Guwahati-781016, Assam.**

Sl. No	Item Description	Estimated Qty.
A	Patient Monitor (5 para)	7
B	Patient Monitor (3 para)	8
C	Ventilator for Pediatric to adult Patient	2
D	Infusion Pump	15
E	Defibrillator with Pediatric paddles	1
F	ECG Machine 12 Channel	1
G	Portable ABG Machine	1
H	Portable Ultrasound with Echo	1
I	Mobile X-ray With DR unit	1
J	Pediatric Patient Bed 5 functions for ICU	2
K	General Pediatric Patient Bed	13
L	Attendant Chair Cum Bed	13

Important Dates

Last date & time of submission of sealed tenders : 21.02.2020 up to 2:00 PM

Opening of sealed tenders : 21.02.2010 at 3:00 PM

Date of Technical Assessment Committee meeting: will be communicated in writing

GENERAL TERMS

Please quote the entire model including the state of the art equipment which meets the basic requirement.

1. Tender should be submitted or dropped in the drop box available in the Office of the Director, Dr B Borooah Cancer Institute, Guwahati in two parts simultaneously in separate sealed covers super scribed as “**BBCI-TMC/ Misc-27/NIT/4316/2019 dtd. 24.12.2019** for “(A) Patient Monitor (5 para), (B) Patient Monitor (3 para) (C) Ventilator for Pediatric to adult Patient (D) Infusion Pump (E) Defibrillator with Pediatric paddles (F) ECG Machine 12 Channel (G) Portable ABG Machine (H) Portable Ultrasound with Echo (I) Mobile X-ray With DR unit (J) Pediatric Patient Bed 5 functions for ICU (K) General Pediatric Patient Bed (L) Attendant Chair Cum Bed ” **PART-I and PART-II.**
2. Part-I should contain the technical bid and Part II should contain the commercial Bid. Both the parts should be **received** on or before **21.02.2020 up to 2:00 PM** in the Office of the Director, Dr Bhubaneswar Borooah Cancer Institute. Part - I will be opened on **21.02.2020 at 3:00 PM** in the presence of the attending tenderers. Time and date of opening of the Part II (price bid) will be intimated only to the tenderers who are technically qualified after evaluation of Part I.

Only technically shortlisted and commercially lowest offers will be considered for financial negotiations.

3. **Tender Document Fee**

The tender document may be obtained during the office hours from the office of the Director, Dr B Borooah Cancer Institute on payment of **Rs.700/-** (Rupees Seven hundred only) **plus GST @ 12% extra** (non-refundable) **either in cash or by A/c payee Demand Draft or banker’s cheque** drawn in favour of ‘**Dr. B. Borooah Cancer Institute, Guwahati-16**’. **Photocopy of the document in support of the payment of the tender fee is to be submitted along with the Part-I of the tender invariably.**

The detail tender documents can also be downloaded from the website of the Institute **www.bbcionline.org** (see bulletin → tender..). The tender document downloaded from the website will be accepted only on furnishing of non-refundable tender fee in the form of crossed Demand Draft / Banker’s Cheque of **Rs.700/-** (Rupees seven hundred only) plus GST @ 12% extra separately drawn on any nationalized bank in favour of ‘Dr. B. Borooah Cancer Institute, Guwahati.’ Tender document charges for the tender forms downloaded from our website to be paid by DD in favour of Dr Bhubaneswar Borooah Cancer Institute **and should be enclosed in the Part-I Technical Bid of the tender documents.** The Tender Document Fee DD number and date should be mentioned on the envelope.

4. **Earnest Money Deposit**

Sl. No	Item Name	EMD Amount
A	Patient Monitor (5 para)	Rs. 24,000.00 *
B	Patient Monitor (3 para)	Rs. 9,000.00 *
C	Ventilator for Ped to adult Patient	Rs. 64,000.00 *
D	Infusion Pump	Rs. 21,000.00 *
E	Defibrillator with Pediatric paddles	Rs. 8,000.00 *
F	ECG Machine 12 Channel	Rs. 3,000.00 *
G	Portable ABG Machine	Rs. 8,000.00 *
H	Portable Ultrasound with Echo	Rs. 41,000.00 *
I	Mobile X-ray With DR unit	Rs. 64,000.00 *
J	Pediatric Patient Bed 5 functions for ICU	Rs. 10,000.00 *
K	General Pediatric Patient Bed	Rs. 46,000.00 *
L	Attendant Chair Cum Bed	Rs. 10,500.00 *

* The above mentioned Earnest Money Deposit (*plus GST @ 12% extra must be added to above mentioned EMD amount*) is to be paid by DD in favour of Dr Bhubaneswar Borooah Cancer Institute and should be enclosed in the Part-I Technical Bid of the tender documents. The EMD DD number and date should be mentioned on the envelope.

5. The bids received without paying the tender document charges and EMD charges shall not be considered.

6. **Forfeiture of the E.M.D.**

If for any reason whatsoever any bidder withdraws his bid at any time prior to expiry of the validity period or after issue of the Letter of Intent/ Work Order, Purchase Order, refuses to execute the Work Order / Purchase order or furnish the security Deposit and Performance Guarantee for faithful performance of the contract within the stipulated time, the amount of E.M.D. is liable to be forfeited by.

Refund of E.M.D.

The Original E.M.D. receipt along with written request letter needs to be submitted in the Office of the Director, BBCI, for Refund of E.M.D.

- a) EMD of the successful tenderer shall be refunded after the security deposit as called for the contract is furnished.
- b) EMD furnished by all unsuccessful tenderers will be returned as early as possible after the expiry date of validity of their offer but not later than 30 days of award of the contract.

7. The successful tenderer will have to enter into a contract for supply, installation and commissioning of the equipment. A Performance Security Deposit of 10% of Invoice value to be paid in the form of Bank Guarantee to be given for satisfactory performance and service for

warranty period or CMC at the time of submission of bill, which shall remain valid 60 days beyond warranty period of the goods supplied.

The Security deposit / Performance bank guarantee must be taken back by the vendor within 3 months of expiry period. If not collected within 3 months the expired Bank Guarantee shall be destroyed.

8. **Scope of work:**

1) Scope of supply should include supply, installation and commissioning of the equipment at site decided by BBCI at no extra cost to BBCI.

2) Clearance of the import consignment shall be carried out by the vendor. However, the cleared equipment shall be stored at BBCI, Guwahati in any specified area in the hospital premises. It will be responsibility of the vendor to transport the equipment to the site of installation at no extra cost to BBCI.

8. The damages if occurred to the item / equipment during transit up to its installation and commissioning shall be taken care by the supplier / Indian agent either himself or through second party obligation by way of goods insurance to be arranged with a reputed goods insurance company preferably Indian company. In case an insurance policy taken from insurance company of foreign origin that shall be the responsibility of the supplier / agent and no obligation will be there on the part of the purchaser and every step whatever is required to be taken shall be initiated and taken by the agent.

9. If the Vendor Capability Performa provided and the documents required as mentioned are not submitted, BBCI reserves the right not to accept the offer.

10. The Director, BBCI reserves the right of cancellation, adding, reducing or deferring the purchase without assigning any reason thereof and claim in this behalf in any way shall not be tenable for compensation in one way or the other. In such case the bidder will be refunded with the earnest money deposit without any payment of interest. The Director, BBCI on enquiry will disclose the reasons for rejecting a tender or not issuing a tender document.

11. **If a firm quotes “NIL” charges / consideration, the bid shall be treated as unresponsive and will not be considered (as per Rule 160 (xvi) of General Financial Rules 2005)**

12. The estimated quantity in the NIT may vary at the time of purchase.

13. Following documents are attached herewith as a part of NIT:

Annexure A	Instructions for filling up of tender documents
Annexure B	Eligibility criteria for the tenderer / bidder
Annexure C	Eligibility of the tender documents
Annexure D	General Terms and conditions of the tender
Annexure E	Special conditions of the tender
Annexure F	Instructions about filling the financial offer form (Part-II)
Annexure G	Format of Vendor capability proforma to be duly filled, signed, stamped and to be submitted with the technical bid (Part-I)
Annexure H	Format of Letter of authorization from the manufacturer / supplier to be duly filled, signed, stamped and to be submitted with the technical bid (Part-I)
Annexure J	Format of NEFT / RTGS details to be duly filled, signed, stamped and to be uploaded with the technical bid (Part-I)
Annexure K	Format of Notary affidavit of Non-Judicial Stamp Paper of Rs.100/- to be duly filled, signed, stamped and to be uploaded with the technical bid (Part-I)
Annexure L	Format for Undertaking for installation and providing training to the nominated staff and replacement of spare parts / consumables and supply thereof during the warranty as well as maintenance contract period, to be duly filled, signed, stamped and to be uploaded with the technical bid (Part-I)
Annexure M	Format of Disclosure of existing customers to whom the supply of equipment / service was made available in India to be duly filled, signed, stamped and to be uploaded with the technical bid (Part-I)
Annexure N	Format for Technical Compliance of the offered items to be submitted by the vendor along with the technical bid (Part-I)

Tenders / bidders are requested to read carefully all above mentioned documents (**Annex-A to N**) and Technical offer form & financial offer form) prior to submission of the tender. Information as asked to be filled in various formats should be properly filled and submitted along with the technical offer, Part-I of the tender / bid.

The Director, Dr B Borooah Cancer Institute shall not be responsible in any manner for whatsoever reasons, for delayed / late submission of the tender.



Director
Dr B Borooah Cancer Institute
Guwahati-16

PART I – TECHNICAL BID

1. If the tenderer is not capable of quoting particular item tenderer should clearly mention in the Technical bid in the compliance report. In case where the tenderer has not mentioned anything in the compliance report, then management is free to presume that it is inclusive of the cost quoted by the tenderer.
2. Part I of the tender should contain two sets of complete specifications and a soft copy on CD/DVD detailing component/specifications in prescribed format as mentioned in **Schedule -I**. Product catalogue / literature/ in original of the equipment offered and the authority to quote should also be provided.
3. Facilities required for electric power, ventilation, ducting and other details such as room design, layout including control space if essential conforming to the safety standards etc. should be mentioned in the offer. **Any requirement of UPS / Voltage Stabilizer/ computer connectivity & software should be included in the scope of supply wherever relevant and applicable.**
4. The bid should also contain a list of optional and essential accessories, spares and consumables (if any) required to be maintained by the Hospital and vendor.
5. The list of places and institutions where same model of the equipment quoted are installed must be provided with technical bid. An equipment performance certificate from users is desirable.
6. Tenderers must be willing to demonstrate functioning of the equipment to the users at the tenderers cost.
7. The supplier will provide training of operators / technicians for operation and user maintenance free of cost.
8. The vendor shall mention the make and model offered.
9. The selected tenderer must submit floor plan for approval prior to execution/installation if necessary.
10. The bid should also include the following:
 - PAN No.
 - Income Tax details.
 - Profit & Loss a/c & Balance Sheet of the company for 3 years
 - Factory License / Shops & Establishment License.
 - Complete Literature of the Product offered.
 - Latest Letter of Authority from manufacturer if the supplier is dealer or agent of the firm.
 - Vendor Capability Proforma duly filled in.
 - Declaration from foreign agency whether they have a Permanent Establishment or dependent agent in India or not.
 - TRC (Tax Residential Certificate) of foreign party (Principals)
 - PAN No. of the foreign agency
 - GST No.
 - Compliance statement based on technical specifications & tender terms & conditions prescribed in the NIT.

PART II COMMERCIAL BID

1. The details of the price the equipment should be quoted in Part II of the tender in a separate sealed envelope in the following manner:
 - A) F.O.B. (including handling, inland freight & documentation charges) of basic unit, standard accessories, optional accessories & spares.
 - B) Freight & Insurance (Air & Sea). The insurance must cover the equipment up to installation and testing.
 - C) Installation / commissioning charges if any. The delivery period of the equipment and the time required for installation / commissioning of the equipment must be mentioned.
 - D) The tender of the offer would be **CIF Guwahati / DAP BCCI, Gopinath Nagar Guwahati** (Exclusive of Customs duty) Incoterms 2010. **i.e. in case of import, it will be vendor's responsibility to clear and transport the equipment to the designated site at BCCI. The insurance must be up to installation / commissioning of the equipment.** All essential spares, consumables, labour and any other incidental costs required for delivering the equipment up to the site of installation and for the startup of the equipment must be included in the commercial bid.
 - E) It shall be responsibility of the tenderer to arrange for customs clearance and delivery of equipment at his own cost, risk and consequences. However, the custom duty, as applicable and paid will be reimbursed at actual on production of relevant documents.
2. In the price bid tenderers should ensure to quote the prices in the prescribed form. **If a firm quotes "NIL" charges / consideration, the bid shall be treated as unresponsive and will not be considered. (as per Rule 160 (xvi) of General Financial Rules 2005)**
3. **Validity:** Tender must remain valid for six months from the due date of the tender.
4. **Terms of Payment:** The mode of payment is payment within 60 days after successful installation and commissioning of the equipment subject to submission of 10% Performance Bank Guarantee from a nationalized bank. For import cases the mode of payment is "Unconfirmed and Irrevocable Letter of credit" payable 70% against dispatch documents and 30% after installation and submission of 10% Performance Bank Guarantee in INR by the vendor for the warranty period plus 3 months from the date of installation.
5. **Warranty : TWO (2) years Onsite comprehensive warranty.**
 - a) **Warranty period and terms of warranty including accessories, details of preventive / periodic maintenance, frequency and task description must be specified.** Vendors are required to provide 2 (two) years onsite comprehensive warranty + 8 (Eight) years Comprehensive AMC (i.e. 3rd – 10th year). The tenderer shall also quote year-wise Non-comprehensive AMC charges for 3rd – 10th year in their commercial offer. Tenders not confirming to this clause are liable to be rejected.
 - b) **Uptime Guarantee :**

The firm will be required to guarantee that during the warranty period as well as during the service contract period, the equipment will be maintained in good working condition for a period of 347 days out of a period of 365 days (i.e. 95% uptime), 8 hours non functioning of the equipment may be considered as one day down time. Essential period to shut down the installation entirely or partially shall also be included in the down time while calculating the 95% guaranteed uptime. This guaranteed uptime shall be calculated for each block of 365 days. The firm will be required to pay a penalty for every day @ 0.1% of the invoice value per day in case the number of days downtime in each period of 365 days is more than the downtime permissible which is to be calculated as defined above. The delay for not bringing the equipment in functioning order in any way is directly, even partially attributable to the firm.

6. **Spares:** Essential spares which are likely to be required during the period of warranty must be supplied with the equipment. Price list of major or minor spare components which are likely to be needed for proper functioning of the unit after warranty period must be supplied and prices should be frozen for the next 8 years.
7. **Consumables:** Consumables required during installation, startup, commissioning and trial runs are to be supplied by the supplier of the equipment. All consumables required for the working of the equipment should be quoted for in the commercial bid.
9. Items where custom duty has to be paid in India must be indicated with current rate of duties.
10. The term FREE implies providing goods and services within the premises of BBCI at no extra cost to BBCI.
11. Tenderers having a local service centre will be preferred.
12. If unsigned, incomplete and conditional bids are submitted, the Director, BBCI reserves the right to reject the tender.
13. If the manufacturer is quoting in foreign currency, an undertaking must be given by the manufacturer that the manufacturer does not have any office in India.
14. **Liquidated damages: In event of failure to supply within the stipulated delivery period, the purchaser reserves the right to levy liquidated damages @ 2% per month or part thereof for the delayed supplies.**
15. **BBCI reserves the right to purchase all OR any of the quantities tendered.**
16. **DELIVERY SITE : BBCI, Gopinath Nagar, Guwahati-781016, Assam, India**
17. **Offers with conditions / ambiguity shall be liable to be rejected.**
18. **Rules and regulations of BBCI will be the part of contract.**
19. Blank format of Price Bid submitted should be enclosed with Technical Bid.



Director

Dr B Borooah Cancer Institute, Guwahati-16

I/ We have read the Terms and conditions and the same are acceptable to me/us.

(Tender's Signature)

TENDERER'S FULL NAME & ADDRESS:

NAME: _____

ADDRESS: _____

Instructions for filling up tender documents

1. Before filling up the tender documents, read all instructions, tender terms and conditions properly. These are also available on BBCI website www.bbcionline.org (*bulletin-tender*). The contract of supply will be governed by these terms and conditions. Your signature will be indicative that you have read and accepted all the conditions and undertake to abide by these conditions unless specifically denied / mentioned by you in your offer.
2. On behalf of Dr B Borooah Cancer Institute, Gopinath Nagar, A K Azad Road, Guwahati-781016, the Director, BBCI (hereinafter referred to as the Purchaser) invites sealed tenders for the supply of item as set forth in the “Notice Inviting Tender”. The contract, if placed, shall be governed by BBCI terms and conditions of contract detailed under Instructions to tenderer’s for submission of tender, General and special terms & conditions stipulated in the NIT.
3. It will be presumed that the firms who have submitted the EMD and tender fee and have gone through all the terms and conditions of tender thoroughly and accept BBCI conditions of contract, and there are no deviations in their quotations.
4. NIT documents consist of :
 - (a) Eligibility criteria for the tenderer / bidder
 - (b) Eligibility for acceptance of the tender documents
 - (c) General terms and conditions of the tender
 - (d) Special conditions of the tender
 - (e) Technical offer form (Part-I) inclusive of Technical specifications / scope of supply and compliance form
 - (f) Instructions about filling the financial offer form (Part-II)
 - (g) Financial offer form (Part-II)
 - (h) Format of vendor capability proforma to be duly filled, signed, stamped and to be submitted with the technical bid (Part-I)
 - (i) Format of Letter of authorization from the Manufacturer / supplier to be duly filled, signed, stamped and to be furnished along with the technical bid (Part-I)
 - (j) Format of NEFT / RTGS details to be duly filled, signed, stamped and to be furnished along with the Technical Bid (Part-I)
 - (k) Format of Notary affidavit on non-judicial stamp paper of Rs.100/- to be duly filled, signed, stamped and to be submitted with the technical bid (Part-I).
 - (l) Format for undertaking for installation, commissioning and providing training to the nominated staff and replacement of spare parts / consumables and supply thereof during the warranty as well as maintenance contract period, to be duly filled, signed, stamped and to be submitted with the technical bid (Part-I).
 - (m) Format of Disclosure of existing customers to whom the supply of equipment / service was made available in India to be duly filled, signed, stamped and to be submitted with the technical bid (Part-I).
 - (n) Format for Technical Compliance of the offered items to be submitted by the vendor along with the technical bid (Part-I)

5. Filling of tenders

- (a) Tenders should be duly filled in (on the assigned space), duly signed and submitted with all mandatory information to the office of the undersigned before **2:00 PM of 21.02.2020**.
- (b) Tenderer must fill-in the technical offer form, financial offer form as asked in the NIT.
- (c) All the mandatory fields of the technical offer form and financial offer form (i.e. Price Bid) including basic rate, all taxes and duties (including maximum percentage of GST (SGST / CGST / IGST) or any other taxes / duties which may become applicable during the currency of the contract, freight upto destination and any other charges have to be mentioned by the vendor. The unit of rate shall be as indicated in the tender schedule and cannot be altered by the vendor. All inclusive rates shall be shown by the vender in their offer.
- (d) Tenderers should show discount in the rate schedule only, instead of anywhere else in the offer. Discounts not shown in designated place will be summarily ignored for assigning inter-se ranking of offers. Conditional discount will not be considered for adjudging the inter-se position i.e. rate quoted without any conditions attached (viz. Discount / Rebates having linkages to quantity, payment, inspection agency, destination, delivery place etc.) will only be considered for evaluation purpose. In other words, discounted rates linked to quantities, prompt payment etc. will be ignored for determining inter-se position. Purchaser, however, reserves the right to use the discounted rate / rates considered workable and appropriate, for counter offer to the successful tenderers.
- (e) Tender should show discount in % in the discount column and conditional discount will not be considered.
- (f) Tenderer should accept all BBCI conditions of contract. Any condition not in conformity with BBCI conditions of contract should be avoided.
- (g) The tender document is to be duly signed on all the pages as a token of having accepted all the terms and conditions (no thumb impression is to be affixed).
- (h) Delivery is required to be made to BBCI after due security check. Any deviation from the same may be considered as commercially unresponsive and the offer is liable to be ignored.
- (i) Manufacturer's name and address and brand of the stores offered must be stated. Otherwise offers are liable to be rejected.
- (j) Offers should be valid for 180 days after closing date of tender. Any offer having lesser validity shall be deemed as commercially unresponsive and will be liable to be ignored.
- (k) Tender document is not transferable.
- (l) The tenderers are required to quote in the same rate units (numbers / kgs / sets / mtrs / boxes, etc.) as given in the tender schedule. Any deviation in this aspect will make the offer to be summarily ignored.

6. Documents to be submitted along with the Technical Bid of the tender (Part-I)

- (a) Technical Bid
- (b) Relevant technical literature, product brochure, catalogues etc
- (c) NSIC / SSI / MSME registration certificate copy, if applicable
- (d) Vendor capability proforma duly filled, signed and stamped as per format attached
- (e) Letter of authorization from the manufacturer / supplier duly filled, signed and stamped as per the format attached
- (f) NEFT / RTGS details proforma as per format attached
- (g) Notary affidavit on Non-judicial stamp paper of Rs.100/- as per format attached
- (h) Format for undertaking for installation , commissioning and providing training to the nominated staff and replacement of spare parts / consumables and supply thereof during the warranty as well as maintenance contract period, as per format attached
- (i) Format of disclosure of existing customers to whom the supply of equipment / service was made available in India as per format attached
- (j) Name and address of all partners / Director of the firm on company letter head
- (k) GST / Registration Certificate copy
- (l) Copy of the Factories Act Registration or Shops and Establishments Act Registration or Small Scale Industries Registration as applicable
- (m) Last 3 years Income Tax Return duly acknowledged
- (n) Balance sheet and profit & loss account of the firm for the last 3 years duly certified by Chartered Accountant
- (o) Copy of GMP License under schedule M, if applicable.
- (p) Format for Technical Compliance of the offered items to be submitted by the vendor along with the technical bid (Part-I)
- (q) Duly sealed and signed tender document (page-wise)
- (r) Blank format of price bid submitted.

It is the vendor's responsibility to submit all relevant and applicable documents as the case may be. The offer shall be technically evaluated only if all the relevant and applicable documents are furnished; failing which Director, BCCI reserves the right to reject the offer.

7. Filling the compliance form:

Vendors are advised to complete the "Compliance Column" mentioned in the technical offer form. Compliance column may be filled with relevant data, figures, range etc as applicable. Do not just mention "YES / NO / Complied".

8. Tender / Bid submission

The sealed tender is to be dropped in the tender box as will be kept in the office of the undersigned within the period and time as mentioned above. However, outstation tenderer may submit tender/s by speed post/courier service/registered post to be received by the undersigned on or before the date of closing time of tender. The undersigned will not be responsible for any postal delay in receipt of the tender in due date and time. The tender if sent by post or by courier, but not received by the undersigned within the stipulated date and time will not be accepted. If outstation tenderer submits tender/s by speed post/courier service/registered post, they should send an email immediately with the tracking details of the courier services, however Dr. BCCI will not consider delivery after stipulated time. The email address are: bbci_info@yahoo.co.in , bbci.ms@gmail.com and bme.bbcihospital@hotmail.com

9. Process of opening / screening / selection of tender :

- (a) In the first instance, the **Technical Bids (Part-I)** of the tenderer will be opened. The offers without EMD & Tender Fee will not be considered for further process of evaluation.
- (b) The valid technical offers will be evaluated by a **Technical Assessment Committee** of the Institute, for which the date and time of the meeting will be communicated in writing to the respective vendors.

The TAC will recommend the technically short-listed vendors for further consideration. It is desirable for technical representative/s of the valid tenderers to be present during the course of technical assessment by the Technical Assessment Committee for technical clarification, if any.

- (c) The commercial offers of the technically shortlisted vendors/equipments will only be considered for price comparison / ranking purpose.
 - (d) L1 will be computed on the total cost of ownership of the equipment for the life of the equipment, i.e. cost of equipment + all the duties and taxes + cost of Comprehensive annual maintenance contract (CMC) for the total period as stated in the tender.
 - (e) The date and time of opening of the commercial bids of the technically short-listed tenders will be intimated. Representatives of respective vendors / companies may remain present at the time of opening of the commercial bid, when intimated.
10. BBCI does not guarantee opening of the tenders immediately after the closing date and time due to reasons beyond its control and hence tenders may also be opened after the due date and time. It will however be ensured that no offers are submitted after tender closing date and time.
11. Technical Evaluation will look at both on consider of both fulfillment of criteria and suitability of technical specifications of the offered equipment by the vendor for the requirement of pediatric ward of Dr. BBCI. Final Technical recommendation by the committee shall be final.
12. The Director, BBCI does not bind himself / herself to accept the lowest or any other offer and reserves the right to cancel, reduce or divide the contract on more than one source without assigning any reason for such action.

Eligibility criteria for the tenderer / Bidder

Tenderers / Bidders confirming the following criteria will be eligible to participate in the tender

1. The tenderer / Bidder should be having a legal entity either of individual / partners or a body corporate which may sue or may be sued.
2. The tenderer / Bidder should be competent enough to deal with the business of the tendered item technically and financially and should have adequate man-power having prescribed qualification (Skilled & Technical) required for managing the business.
3. The tenderer / Bidder should have necessary license under the prevailing laws of the land and competent to undertake import and export process of goods and services.
4. The tenderer / Bidder should have tax payment capability by producing 3 years Assessment Clearance Certificate as and when asked for in addition to PAN and TAN Number.
5. The tenderer / Bidder should not have been blacklisted / debarred from participating in the tender, either in government departments or in public sector undertaking
6. The tenderer / bidder should either be a manufacturer, or, 100% subsidiary of a foreign manufacturer in India, or, sole authorized distributor of the manufacturer, or, one of the direct authorized distributors of the manufacturer.
7. Providing 'GST Registration No.' in the vendor capability form is must for tenderer / bidder.

NOTE:

Bids of tenderers / bidders not confirming to any of the above mentioned criteria are liable to be rejected.

Eligibility of the tender documents

Tender may be declared as 'Unresponsive / not eligible' under following conditions:

1. Tenders submitted after due date and time.
2. The tender validity is shorter than the required period as asked in the tender.
3. Required EMD and tender fee has not been submitted. (except for those bidders registered under NSIC/SSI/MSME, who are exempted from tender fee and EMD as per prevailing rules)
4. Tenderers registered under NSIC/SSI/MSME who has not submitted EMD and Tender fee, but has not furnished copy of registration certificate with NSIC/SSI/MSME.
5. The tenderer has quoted for goods without a valid certificate of authorization.
6. The tenderer has not agreed to give the required security deposit / performance bond as asked in the terms.
7. Against a schedule in the list of requirement, the tenderer has not quoted for the entire requirement as specified in the schedule.
8. The tenderer has not agreed to special conditions of the tender.
9. Tenders with conditional offers.
10. The tenderer who has furnished incomplete, incorrect or misleading information.
11. At the time of opening of technical bid Part-I, if a tenderer has included price or any other charges in Part-I or has failed to submit Part-II (financial bid) separately.
12. The tenderer not fully complying to the warranty and AMC clauses as per tender terms.

General Terms and conditions of the tender

1. The tenderer / bidder should furnish complete contact details such as recent phone nos., mobile nos., email ID, mailing address, office address which will be in operation for a period of two years. BBCI will send all communication preferably by e-mail. Non receipt of communication will not be our responsibility. So tenderer must ensure correct and operational email ID and Fax nos. If any changes in contact details, then ensure to submit to BBCI.
2. The successor / heirs in office will be responsible for the liabilities created by the tenderer / bidder in respect to the item / services offered by tenderer / bidder
3. The tenderer / bidder will be under obligation to provide the technical specifications & Compliance of the specified item as asked in the tender documents
4. A complete product catalogue, literature / publication / user information paper should be submitted along with the Technical Bid along with the design, drawing etc. including the weight, volume and size of the equipment.
5. The tenderer / bidder may separately quote and submit for other variants including those which are working in progress and likely to be marketed in the next couple of years, if they satisfy the tender specifications/requirement for the specified item / equipment.
6. The tenderer / bidder will also have to certify that the equipment proposed to be supplied is not obsolete and that no new variants are likely to be marketed in the next 2 years.
7. The tenderer / bidder will be under obligation to provide training free of charge to the person/s deputed by the hospital for learning of operations and techniques and maintenance thereof in India or abroad as the case may be.
8. Compliance of National standards of the country of origin of the manufacturer should be certified by the tenderer / bidder.
9. The risk of loss in transit of the goods / services shall be the responsibility of the tenderer/ bidder.
10. The tenderer / bidder will be solely responsible for the activities if found fraudulent on the part of principal to cheat or swindling the Indian public by way of advance payment or breach of terms and condition of L/C established for import of tendered item.
11. The tenderer / bidder will be responsible for abiding the international laws including rules relating to package etc. applicable to the item / services offered by the tenderer / bidder.
12. The tenderer / bidder will be responsible for ensuring that the international standards before the consignment of the item is dispatched from the godown of manufacturer of foreign origin to deliver into India at the place of the user.
13. The tenderer/bidder will be responsible for safe transit of the goods under proper goods insurance coverage and under standard conditions.

14. The tenderer / bidder should have a team comprising of experts of the line for erection, installation, commissioning and maintenance of the equipment / article tendered for use in the public interest.
15. Turnkey – Turnkey Site preparation requirements (wherever applicable) will be discussed after finalizing equipment with the vendor. Vendor to inspect the site before submitting the offer.

Vendor to specify the scope considered. Scope should be supported with architectural interior and services drawings.
16. The tenderer / bidder should inform in advance to the Institute about the requirement for the erection, installation and commissioning indicating the additional amount of charges / expenditure by the bidder. A separate turnkey proposal shall be submitted if the supplier undertakes to modify the existing infrastructure to suit the installation of the proposed equipment. In normal course the letter of intent will include the costs of the equipment and its installation.
17. The tenderer / bidder will be responsible for all the consequences legal or administrative with regard to the persons involved in erection, installation, commissioning & maintenance for compensation in case of any damage occurred to them while execution of the work.
18. The tenderer / bidder will be under obligation to intimate to institute in advance about the assistance to be extended by the institute without involvement of expenditure or at the cost of the bidder in connection with the process of erection installation and commissioning.
19. The tenderer / bidder is responsible for installation and commissioning of the equipment without damaging infrastructural image/face of our building/installation site. Temporary destruction and re-construction of existing structure in connection with the site preparation and installation of the equipment will be the vendor's responsibility. Charges/expenses involved for the same shall be borne by the supplier. If any damage takes place while the work is in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work, the tenderer / bidder shall make good the same at his own cost.
20. The tenderer / bidder should obtain clearance from structural consultant before starting the work (wherever applicable).
21. The installation certificate will have to be issued by the team of the experts and it should be countersigned by the user or Authorized person and the date on which such certificate is counter signed by will be the date from which period of warranty commence.
22. The successful tenderer / bidder will have to enter into an Agreement for the contract of supply, installation, commissioning and maintenance of the equipment including the supply and availability of the spare parts.
23. Successful tenderer / bidder will be issued with a Letter of Intent (which will be followed by a Purchase Order) if required and such bidder will be under the obligation to submit the Performance Guarantee for the stipulated period of warranty and the maintenance period by way of either deduction from the Invoice not exceeding to 10% or by way of submission of Bank Guarantee bond for the like amount.

24. The Indian agent / supplier shall be under obligation to ensure that the delivery of the item / equipment shall be treated as completed only on installation of the equipment on site / place decided by BBCI and commissioning is done at the entire satisfaction of the authorized officer / user department. In case the equipment or the item is to be shifted from the place on which it was off-loaded to the site of installation & commissioning, it shall be the responsibility of the agency and no cost in this regard shall be payable by BBCI.
25. The principal supplier or their Indian agent shall be responsible for making the consumable / spares available throughout the life of the equipment at the prescribed discounted rate as may be mutually agreed by the user and denial or non-supply of required consumable / spares shall render the Indian agent liable for liquidated damages under the contract.
26. Complete and detailed information should be provided in respect of each point specified in the technical specifications. Technical bids that are not complying the tendered technical specifications in any respect are liable to be rejected.
27. If the tenderer / bidder is not capable of quoting particular item / items, tenderer / bidder should clearly mention in the Technical bid (Part I) in the compliance report.
28. The tenderer / bidder has been authorized to inspect the site for installation of the equipment without payment of visiting fees to the Institute before submitting its tender, if found necessary, with prior permission.
29. If any dispute arises out of the transaction in any manner that shall be resolved by the sole arbitration which shall be appointed by the Director, BBCI and in case such person is not acceptable to the supplier, Director-BBCI shall be the final and sole arbitrator who shall undertake the exercise of arbitration to resolve the dispute and such award as may be given by Director-BBCI shall be final and binding on both the parties.
30. The Indian supplier on behalf of its Principal supplier / manufacturer of foreign origin shall be under obligation to inform the user from time to time about the innovations / changes made by the manufacturing company in the technique or the program of software to be used in the equipment by way of advancement and will be free to suggest for adoption of the changes at the lowest expenditure as may be acceptable to the users.
31. The damages if occurred to the item / equipment during transit up to its installation and commissioning shall be taken care by the supplier / Indian agent either himself or through second party obligation by way of goods insurance to be arranged with a reputed goods insurance company preferably Indian company. In case an insurance policy taken from insurance company of foreign origin that shall be the responsibility of the supplier / agent and no obligation will be there on the part of the purchaser and every step whatever is required to be taken shall be initiated and taken by the agent. The vendor has to arrange Insurance till installation and commissioning of the equipment.
32. **Forfeiture of the E.M.D.:** If for any reason whatsoever any tenderer / bidder withdraws his bid at any time prior to expiry of the validity period or after issue of the Letter of Intent / Work Order, Purchase Order, refuses to execute the Work Order / Purchase order or furnish the Security Deposit and Performance Guarantee for faithful performance of the contract within the stipulated time, the amount of E.M.D. is liable to be forfeited by BBCI.

33. Those tenderers / bidder who have paid Security Deposit / Performance Bank Guarantee must be taken back by the vendor within 3 months of expiry period. If not collected within 3 months, the expired Bank Guarantee shall be destroyed.

34. **Refund of E.M.D.**

The Original E.M.D. receipt along with written request letter needs to be submitted in the office of the Director, BBCI for Refund of E.M.D.

a) EMD of the successful tenderer / bidder shall be refunded after the security deposit as called for the contract is furnished.

b) EMD furnished by all unsuccessful tenderer / bidder will be returned as early as possible after the expiry date of validity of their offer but not later than 30 days of award of the contract.

35. The tenderer / bidder having their warehouses / service centre and facilitation centre in the city of Guwahati will be desirable and advantageous for attending the calls to reduce the down-time

36. The Director, BBCI reserves the right of cancellation, adding, reducing or deferring the purchase without assigning any reason thereof and claim in this behalf in any way shall not be tenable for compensation in one way or the other. In such case the bidder will be refunded with the earnest money deposit without any payment of interest. The Director, BBCI, on enquiry, will disclose the reasons for rejecting a tender or non issuing a tender document.

Special conditions of the tender

1. Item / Equipment quoted should not be a second hand / refurbished / on verge of obsolescence/ outdated model. Similarly, date of manufacture of the item should not be more than 3 months' prior the date of award of contract.
2. Bidder should clearly mention the place from where after sales service and application support will be provided, along with the type of installation / ownership of the service center. If the service center are on contract/ hire/ lease with the manufacturer then the time of initiation of the contract and period of validity must be specified.
3. Tenderer / bidder should clearly mention about compliance of the warranty and AMC terms in the technical bid (Part-1) as specified in the technical offer form Part -I . Bids not fully complying to the warranty and AMC terms are liable to be disqualified.
4. After opening of the Technical bid (Part-1), Physical demonstration of the quoted model may have to be shown / arranged by the bidder, if requested by the Institute. Physical demonstration may be shown at one of the end user's site / Principle company's application lab / manufacturing site located in Guwahati city. If there are no installations of the quoted model in Guwahati city, then the quoted model may have to be brought in at BBCI for demo purpose within 15 working days from the date of request. Physical Demonstration may be requested to confirm the availability of any or all technical features as mentioned / stated in the technical bid. Physical Demonstration will also be a part of technical evaluation process. If the bidder does not comply, such bids are liable to be rejected. (Demonstration of quoted model is to be shown and not the demonstration of similar models with different technical specifications and features).
5. Compliance column should be filled with all relevant data, figures, range etc. as applicable. Do not just mention "YES / NO / Complied'. Provide relevant supportive information, publications, catalogue, etc.
6. Tenderer / bidder are required to provide list of current installations in India (in the last 2-3 years) of the quoted item. Contact details of the end users like name of the end user, Organization name, contact email ID, tel. no. etc. should be provided along with the technical bid.
7. Past experience of the bidders in terms of quality of supplied equipments, after sales service and application support will be taken into consideration. Bidders who has unsatisfactory past experience in last 2-3 years, in terms of quality of supplied equipments, after sales service and application support, bids of such bidders may liable to be rejected.
8. Unpacking and shifting the consignment to the installation site is to be included in the scope of supply. Bidder should take responsibility to lift / shift the consignment from the unloading site to the installation site. Additional manpower if needed for shifting / lifting etc, bidder has to arrange for the same at no cost to BBCI. To get an idea about unloading site and proposed installation site, bidder may visit the site before submitting the tender.

9. Complete and detailed information should be provided in respect to each point specified in the specifications. Technical bids that are incomplete in any respect are liable to be rejected. Provide relevant supportive information, publications, catalogue, etc. Bidders providing misleading or wrong information are liable to be rejected. All technical claims should be printed in the technical brochure of the equipment.
10. Literature / Certificate containing the information of the life of the equipment should be submitted. This criterion is very important and to be noted as a special condition for the tender acceptance.
11. The replacement of defective parts during the warranty period shall be the sole responsibility of the supplier and the Indian agent will be solely responsible for replacement at their cost including the down time liquidation damage, customs duty, octroi if applicable etc. be noted as a special condition of the tender.
12. Replacement of 10% of spare parts in a period of first year will amount to the supply of defective equipment and the Principal Company / Indian agent shall be under obligation to replace the entire equipment at their cost. However, the Institute will facilitate the import by way of utilizing its license for Custom Duty Exemption the rest of the expenditure including transport, insurance & freight etc. shall be borne by the Indian agent. Therefore, this important condition may be noted as a special condition of the tender.
13. If the equipment is repaired under warranty by replacing any spare part and later if re-occurrence of problem of same nature occurs and need for replacement of same spare part arises, it is also should be covered under warranty.
14. The lowest financial offer amongst the technically qualified offers will only be considered for further process.
15. To arrive at L1 vendor/ lowest offerer – Total cost of the goods inclusive of all items as per mentioned in the scope of supply, inclusive of all applicable duties / taxes / transportation charges, installation charges, other statutory levies and inclusive of cost towards Warranty and AMC as per tender terms computed for the total life of the equipment with cost of Comprehensive annual maintenance contract (CMC). Exchange rate will be taken at the beginning of the month of opening of financial bids.
16. If the vendor is not principal company, then the vendor must provide a letter from principal company stating that the principal company will abide by all the terms & conditions of warranty & AMC/ CMC for the entire life of the equipment quoted in the tender.
17. Network – The requirement of network facility is different for every equipment. Please attach the separate annexure as per the requirement of installation site and vendors to visit the site before submission of tender documents. We need open network facility that has free talk with all available machines. (If applicable)
18. Director, BBCI reserves the right to purchase all OR any of the quantities tendered.
19. Rules & regulations of BBCI will be part of contract.

Following terms and conditions may also be included in the purchase order to be issued to the successful bidder to whom the contract shall be awarded:

1. Initiation of warranty period shall begin from the date of successful installation / commissioning of the equipment. 2 numbers of Preventive maintenance visits and breakdown visits as and when needed should be undertaken during warranty and subsequent AMC/CMC period.
2. The replacement of defective parts during the warranty period shall be the sole responsibility of the manufacturer / supplier / Indian agent. They will be solely responsible for replacement at their cost including the down time liquidation damage, customs duty, octroi if applicable etc.
3. Replacement of 10% of spare parts in a period of first year or repeated replacement of same spare parts shall amount to the supply of defective equipment and the Principal Company / Indian agent shall be under obligation to replace the entire equipment at their cost. However, the Institute will facilitate the import by way of utilizing its license for Custom Duty Exemption the rest of the expenditure including transport, insurance & freight etc. shall be borne by the manufacturer /supplier /Indian agent.
4. **Unpacking and Shifting the consignment** from the unloading site to the installation site shall be in the scope of supply. Successful bidder shall take responsibility to lift / shift the consignment from the point of unloading at BBCI to the installation site. Additional manpower or machinery, if needed for shifting / lifting etc, has to arrange by the bidder at no additional cost to BBCI.
5. **Installation, Testing, Commissioning and Training** shall be provided by the Manufacturer or its authorized representative. Complete system inclusive of accessories, attachments, computers, software's etc. should be installed, tested for its performance as per manufacturer's SOP / guidelines and demonstrated to the Institute's Users. In depth training should be provided to the Institute's users for maintenance, usage and applications.
6. **Standard Payment Terms: For import items:**

Through Unconfirmed Irrevocable letter of credit (LC)

- a) 70% against delivery and balance 30% on satisfactory installation and commissioning of the equipment.
- b) 10% Performance Bank Guarantee should be given which should be valid till at least two months beyond the expiry date of warranty period specified in the purchase order.

For Local items – payment in INR:

Payment within 60 days after satisfactory installation and commissioning of the equipment

7. Uptime Guarantee period and penalty for downtime:

The supplier and / or its Indian agent will be required to give the guarantee towards the performance of the equipment during the warranty period and in case of comprehensive annual maintenance contract period for maintaining the equipment in good working condition for a period of at least 347 days out of a period of 365 days a year (i.e. 95% uptime). The eight hours non-functioning of the equipment will be considered as one day down time. Essential period to shut down the installation entirely or partially shall also be included in the down time while calculating the 95% guaranteed uptime. If the number of days downtime in each period of 365 days is more than the downtime permissible (which is to be calculated as defined above), The supplier / agent shall be required to either pay a penalty for every day @ 0.1% of the invoice value per day or extension of warranty by 7 days for each day of downtime, whichever is higher. The delay for not bringing the equipment in functioning order in any way, directly or even partially will be attributable to the firm.

- 8. Liquidated damages:** In event of failure to supply within the stipulated delivery period as per mentioned in the purchase order, the purchaser reserves the right to levy liquidated damages @ 2% per month or part thereof for the delayed supplies.

Instructions about filling the Financial offer form (PART II)

1. The detailed price of the equipment should be quoted in Financial Offer Part -II of the tender:
 - a) Ex-works cost of the equipment / equipments for entire quantity as per scope of supply.
 - b) F.O.B. cost (including handling, inland freight & documentation charges) of the entire equipment / equipments as per scope of supply
 - c) The freight & insurance charges (up to installation, commissioning and testing).
 - d) Total amount of the equipment / equipments on CIP basis, DDU (Delivered Duty Unpaid)/ DDP – BCCI, Guwahati.
 - e) Installation & commissioning charges, if any, should be separately indicated.
 - f) The delivery period of the equipment and the time required for installation / commissioning of the equipment must be mentioned.
 - g) The tender of the offer would be CIP / CIF / DDU (Delivered Duty Unpaid) / DDP – BCCI, Guwahati as per the International Commercial Terms, applicable at present. All essential spares, consumables, labour and any other incidental costs required for delivering the equipment up to the site of installation and for the startup of the equipment must be included in the commercial bid.
2. Format of the financial offer form is provided in the NIT. Bidders are required to fill in the relevant information as per instructions given in the financial offer form.
3. In the price bid / financial offer form, tenderer / bidder should ensure to quote the prices in the prescribed format. In the price bid, only figures should be typed without using any separators, commas, other signs, letters, etc.
4. If a tenderer / bidder states /quotes wording such as ‘N.A’. or ‘—’ or ‘N/A’ or ‘Not Applicable’ or “Nil” charges etc in price bid, then the bid shall be treated as unresponsive and will not be considered. (as per Rule 160 (xiv) of General Financial Rules 2005).
5. Warranty & post warranty AMC:
 - (a) Vendors are required to provide warranty as per mentioned in the technical offer Part-I. Initiation of warranty shall begin from the date of successful installation and commissioning of the equipment.
 - (b) Warranty period and terms of warranty including accessories, details of preventive / periodic maintenance, frequency and task description must be specified.
 - (c) 2 numbers of Preventive maintenance visits and breakdown visits as and when needed should be undertaken during warranty and free AMC period.
 - (d) Vendors should offer both AMC and CMC as asked in the technical offer form part-I
 - (e) Tenderer should clearly indicate compliance to these terms in the technical bid (part-I). Tenders not confirming to the clause are liable to be rejected

6. Validity: The tendered offer must remain valid at least for a period of **six months (180 days)** from the date of the opening of the tender.
7. Mode of Payment :
The preferable mode of payment should be indicated clearly. In most of the cases of indigenous supply in our Institute release of payment in Indian rupees within 60 days of successful installation and commissioning of the supplied equipment and in the case of imported items the payment is made through “Unconfirmed Irrevocable Letter of credit” / “Sight Draft” through nationalized bank of India, as the case may be.
- Payment Terms for import items:
- (a) 70% against delivery and balance 30% on satisfactory installation of the equipment.
(b) 10% Performance Bank Guarantee should be given which should be valid till at least two months beyond the expiry date of warranty period specified in the purchase order.
8. Uptime Guarantee period:
The supplier and/or its Indian agent will be required to give the guarantee towards the performance of the equipment during the warranty period and in case of comprehensive annual maintenance contract period for maintaining the equipment in good working condition for a period of at least 347 days out of a period of 365 days a year (i.e. 95% uptime) 24X7. The eight hours non-functioning of the equipment will be considered as one day down time. Essential period to shut down the installation entirely or partially shall also be included in the down time while calculating the 95% guaranteed uptime. If the number of days downtime in each period of 365 days is more than the downtime permissible (which is to be calculated as defined above), The supplier / agent shall be required to pay a penalty for every day 0.1% of the invoice value per day. The delay for not bringing the equipment in functioning order in any way, directly or even partially will be attributable to the firm. The bidder should provide the details of preventive maintenance to be undertaken through the year. The bills should be raised every month and will be paid every quarterly.
9. Spares parts:
The supplier / Indian agent will be under obligation to provide the price list of all the spare parts required to be replaced after warranty period and should certify that the rates indicated in the price list shall be applicable for the period of 8 years after the warranty period.
10. Consumables:
- (a) Consumables as may be required for installation, commissioning, start up and trial runs shall be supplied by the supplier with the equipment without any extra charges.
(b) The price list of such consumables which shall be required for running of the equipment thereafter shall be submitted with validity for the period of 10 years.
11. Liquidated damages: In event of failure to supply within the stipulated delivery period, the purchaser reserves the right to levy liquidated damages @ 2% per month or part thereof for the delayed supplies.
12. The amount / rate of taxes as may be levied should be indicated separately in the financial offer.
13. The term “without charges or free of cost” will imply as providing goods or services to the purchaser at no extra charges/cost including tax liability thereon and that the Octroi exemption will not be provided.

DR BHUBANESWAR BOROOAH CANCER INSTITUTE
Gopinath Nagar, Guwahati-781016, Assam

TENDER FORM
(Vendor Capability Proforma)

Application

Ref: Tender No:

Date:

1 Name of the Item / Work	
2. Due Date of the submission of the tender.	
3. Receipt No. for EMD Amount and Date	
4. Name / Title of the Bidder	
5. Full Address (recent)	
	E-Mail (recent)
	Tel. No & Mobile No. (recent)
	Fax (recent)
6. Name of the person authorized to deal / undertake business for and on behalf of the bidder	
	Tel. No & Mobile No. (Recent)
	Fax (Recent)
	E-Mail (Recent)
7. Legal entity of the bidder whether Firm / Society / Company / Other entity	
a. Registration No.	b. Authority with whom registered
c. Licence No. granted by	for
8. Main business of the bidder whether Manufacturer, Business Distributor, Wholesale Dealer, Retail trader or Service Agent	
9. Authorized Area of operation in India	
10. Name of the Principal Organization / Company for and on behalf working in India	
11. Origin of the Principal Organization / Company	
12. Address of the Principal Organization / Company	
	Tel. No. & Mobile No.
	Fax
	E-Mail

13. Name & Address of the Bankers of the bidders along with Bank Account No. and IFSC code.	
14. Authority / Delegation / Licence No. & Date granted by the principal to the representative bidder	
15. PAN No.	
16. Registration No. granted by GST	
17. GST / CGST / SCST No.	
18. Central Excise License No.	
19. Import / Export Code No.	
License No. for import	
20. No. of manpower employed by the bidder	a. Scientific b. Technical c. Administrative d. Finance
21. Support facility equipment No.	
22. Experience of the bidder in dealing with the tendered item. Tenderer must have similar job done in the line of business / experience with 3 to 5 years will be considered	
23. Whether supply of any item / service to BBCI in past; if yes indicate the Purchase Order No. & Date	
24. Any other relevant information for submission	

Certified that the above information is correct & true to the best of my knowledge and belief. Nothing has been concealed and fabricated and in case any information is found incorrect. I, the undersignatory will be personally responsible.

Name of authorized person for bidder with seal & Signature

To be printed & executed on Letter head of the principal supplier / manufacturer of the equipment

LETTER OF AUTHORIZATION

I, Mr. _____ Chairman / Managing Director / President / Vice-President/

General Manager hereby certify and declare that M/s. _____
having its registered office at

_____ is an organization dealing
with the manufacturing and assembling of the equipment _____
which is meant for scientific use for research/diagnostic/treatment and having business operations in
India.

It is also certified that our representation and operations in India is done & executed by M/s.
_____ which is a organization constituted under the
provisions of _____ and having their registered office at

_____ who has been fully authorized by us to act as our
representative in whole or part of India to deal, undertake, participate in the business proceedings,
quote rate for supply, installation, testing and commissioning, after sales services of our products /
equipments and their spare parts together with consumables and procure purchase orders to pass to us
on such rates and conditions as may be negotiated by them for and on behalf of us.

The Indian agent M/s. _____ has also been authorized to provide
after sales services, supply spare parts and consumables on the authorized rates as indicated in the
price list of the company for the period of the currency of warranty and annual maintenance contract
thereafter for a period of 8 years. They have also been authorized to negotiate the rate for allowing
special discount to the hospital.

Signature

Name of authorized person for bidder with seal

NEFT FORM Format

APPLICATION FORM FOR DEPOSITING PAYMENT AGAINST BILLS IN BANK ACCOUNT
BY ELECTRONIC CLEARING SERVICE / NEFT

1	Name of the vendor	
2	Vendor Address & Other Particulars	
	a) PAN NO.	
	b) GST NO.	
	d) Mobile No.	
	e) Email ID	
3	Account Holder's Name (Title of the Account)	
4	Bank Account No.	
5	Bank Name, Branch & Address	
6	9-Digit MICR code of the bank	
7	Account type (SB/CURRENT)	
8	IFSC Code (attach xerox copy of cheque)	

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete information, I would not hold the user institution responsible. I agree to discharge the responsibilities as a participant under the scheme.

Signature of the Vendor with seal.

Certified that the particulars furnished above are correct as per our records.

Signature of the authorized official from the bank.

Bank stamp :

Date :

Note : Xerox copy of cheque may be attached, without which the form will not be accepted.

Format of Notary affidavit on Non- Judicial Stamp Paper of Rs.100/- stating their in as under:-

1. Confirming that no case pending against them in court of law, or that no time they were penalized by any court of Law or Regulatory Authority.
2. That the firm is never being blacklisted / penalized / defaulted by any government Institution / Hospitals within last 5 years.
3. That the firm has deposited up to date Sales Tax and Income Tax. (Furnish copy of clearance / Return certificate).
4. That the rates quoted by the firm are the lowest and not higher than the wholesale market rates / quoted in any other Institution or Hospitals. Rates have been checked by me / us and if approved I shall supply that items in the specified period.

To be printed & executed on Letter head of the supplier company / Indian agent

UNDERTAKING

To
The Director,
Dr B Borooah Cancer Institute
Gopinath Nagar, Guwahati-781016

1. I, the under signatory hereby undertakes to supply, install and erect, testing & commission and maintenance of the equipment namely _____ for and on behalf of bidder on agreed terms and conditions as have been stipulated and mentioned in the Purchase order on acceptance of my offer for the above equipment / item.
2. I, the undersigned also hereby undertake to assure and promise to provide the spare parts within reasonable time for operation of the aforesaid equipment without any charge during the warranty period of **2 years** and thereafter I will make available all the spare parts and consumables on the agreed price during the period of annual maintenance contract at least for the period of **8 years** from the date of completion of the warranty period at the negotiated rate allowing discount on the price list of the company, authenticated copy of which will be submitted for your record.
3. Further also, I undertake to assure and promise to provide technical operational training to the scientific and technical staff members of the user Institute without any charge after commissioning of the equipment and condition thereof. In case training experts are not available in India the necessary operational training not exceeding to one week shall be arranged by the manufacturing company of the equipment in the manufacturing / assembling unit of the equipment in the foreign country of origin.

Signature

Name of authorized person for bidder with seal

To be printed & executed on Letter head of the supplier company / Indian agent

Format of disclosure of existing customers to whom supply of equipment / service made available in India

CERTIFICATE

This is to certify that M/s. _____ having manufacturing factory / unit at _____ and having registered office at _____ is a company registered and incorporated company under the Law of the land of _____, is our the principal company manufacturing the equipment namely _____. The said equipment has been supplied, installed and successfully commissioned with the users as are listed with their addresses in annexure hereto.

This is also to certify that we have not supplied above named equipment to any of the users in India at the cost less than the price quoted by us to Director, BBCI, within the period of last six months.

Signature

Name of authorized person for bidder with seal

TECHNICAL COMPLIANCE FORMAT

Technical Specification for supply and installation of following Items for establishment of one additional operation Theatre facility at Dr. B. Borooah Cancer Institute, Guwahati:

- A. Anaesthesia Workstation
- B. OT Table
- C. Ceiling mounted OT light
- D. Mobile OT light
- E. OT Pendant

*(Please make separate compliance sheets for above items and do not alter the format & sequences of Sl No., refer to **Schedule - I** of the tender for technical specifications.)*

Section / Heading (if any)	Sl. No.	BBCI tender Specification	Technical offer of the bidder	Compliance	
				Yes / No	Remarks

DR BHUBANESWAR BOROOAH CANCER INSTITUTE
Gopinath Nagar, Guwahati-781016, Assam

COMMERCIAL OFFER / PRICE BID
(Part-II of the Tender)

Name of the equipment:

Total cost of ownership for a period of 10 (Ten) Years.

Following points shall be considered for arriving the lowest quoted bidder amongst the technically acceptable offers. :

- 1) Total cost shall mean and include all taxes, duties and levies by Government.**
- 2) The total cost of equipment for comparative purpose shall be calculated as under:
For foreign currency quote CIF cost of the equipment with standard & essential accessories CIF value converted in INR (*conversion factor on the date of opening of the financial bids will be considered*) + applicable taxes, duties, govt. levies as imposed from time to time + 2-year comprehensive warranty + 8 years Comprehensive AMC charges – Buy Back Offer (if any). For quotes in INR cost after applicable taxes, duties, govt. levies etc. without octroi will be considered + 2 years' comprehensive warranty + 8 years Comprehensive AMC charges – Buy Back Offer (if any). Please note that Non-Comprehensive AMC charges will not be taken into consideration for price comparison.
- 3) Bidders are advised to submit price bid in the enclosed prescribed format.**
- 4) If 2(Two) year's warranty, 8 years CAMC (comprehensive AMC) and 8 years Non-comprehensive AMC are not mentioned, BBCI reserves right to reject offer.**

DR BHUBANESWAR BOROOAH CANCER INSTITUTE
Gopinath Nagar, Guwahati-781016, Assam
PART - II
COMMERCIAL OFFER / PRICE BID

Name of the item/equipment/ service (complete in all respect i.e. Basic equipment with necessary accessories and consumables) _____89

(Please make three different commercial offers for the three items, A,B and C as mentioned in the tender)

Sr. No.	Particulars	Basic unit price	GST %	Total unit price (after GST)	Qty.	Total price after GST
1.	Ex-works cost of the complete item with one year of warranty (including training as per tender)					
2.	Discount offered on the price of the basic equipment					
3.	Add : Inland handling, Packing and forwarding charges upto the Port of shipment/boarding					
4.	Total FOB cost					
5.	Agency Commission charges to be paid to Indian agent (if any to be paid in Indian rupees)					
6.	Freight & Insurance charges etc. from the country of Origin to the port in India					
7.	Shifting charges from the place of off-loading i.e. airport / seaport in India to the place of installation (e.g. clearing charges, insurance charges in India etc.)					
8	Total CIF Price/Cost					
9.	INR price for indigenous supply (if any)					
10	Comprehensive Annual Maintenance Contract (AMC) for the period of 8 years payable periodically after warranty (<i>exclusive of GST/taxes</i>) (No exclusion). AMC charges should be quoted in INR only. <i>Net of discounts. Year-wise break-up of CAMC charges should be shown separately in the commercial offer</i>					
11	Total cost of equipment for 10 years (excluding customs duty) for arriving at L1 (i.e. Equipment cost with 2 year warranty and 8 years Comprehensive AMC charges)					
12	Turnkey cost (if any)					
13	Customs duty and other statutory levies to be added by the Purchaser (not to be filled by the tenderer)					
14	Specify other charges, if any					
15	Non-comprehensive AMC charges (3rd –10th year) to be quoted year-wise in the commercial offer					

Certified that the above information is correct & true to the best of my knowledge and belief. In case any information is legal suppressed, and /or found false and incorrect, the under signatory will be personally responsible for the consequences, and that the tender is liable to be rejected summarily without assigning any reason.

Date:

Signature
Name of authorized person for bidder with seal

Schedule - I

A. Technical Specification for supply & installation of Patient Monitor (5 Para):

- 1) Should have ECG, SpO2, NIBP, Respiration and Temperature as standard parameters.
- 2) Should display at least 5 waveforms of selected parameters simultaneously.
- 3) Should have inbuilt continuous battery backup of minimum four hours; upgradable to 6 hours
- 4) Display: Color TFT display size of 12" or more. Specify the viewing angle of the display.
- 5) Should have dual temperature monitoring either in Celcius or Fahrenheit.
- 6) Should have facility for displaying multi-screen configurations
- 7) Should be able to store & display at least 48 hours of tabular & graphical trends of all parameters. Should also have full disclosure of waveforms for minimum 48 hours.
- 8) Should be suitable for monitoring adult & pediatric patients & neonate patients.
- 9) The SpO2 technology should be Fast & should sense in hypotension, shivering & motion.
- 10) Should have oscillometric Technology for measurement of NIBP with Auto, STAT and Manual modes.
- 11) Should have different patient type selection
- 12) Should be able to analyze arrhythmias & ST segment changes. Monitor should be upgradable to monitor 12 lead ECG with ST maps.
- 13) Should be able to give visual & audible alarms with three levels of volume adjustment.
- 14) Should have connectivity to Central station through Ethernet card.
- 15) USB port should be available to directly export tabular trend data. Monitor should also be able to export data in HL7 format.
- 16) Should be European CE/US-FDA approved.
- 17) Equipment should be supplied with
 - a) compatible 5 lead ECG cable (1 No.),
 - b) SpO2 (Pediatric and Neonatal) probe 2 Nos.,
 - c) NIBP Cuff with connecting hose-tube of Neonate, Pediatric & Adult (2 each),
 - d) Temperature probe (4 Nos. - 2 esophageal Temperature probe and 2 skin Temperature probe)
- 18) Warranty: 2 years on equipment from the date of installation along with all accessories. CMC for 8 years after completion of warranty period of 2 years.
- 19) Power Supply:

Power input to be 220-240VAC, 50Hz fitted with Indian plug.
- 20) The company should mention the make & model name/number of the quoted equipment and submit the technical brochure of the quoted model in the Technical Bid along with compliance sheet as per technical specifications.

- 21) The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90% .
- 22) User Manual and service manual in English should be handed at the time of installation.
- 23) 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. Location and details of the service facilities (tier-wise) should be provided, clearly indicating services which can be delivered locally and services for which machine/ components will need to be taken outside.
- 24) Year of introduction of the quoted model internationally and provide documentary evidence.
- 25) Installations List of the quoted model only, evidence must be provided in technical bid.
- 26) List of important spare parts and accessories with their part number and costing.
- 27) Post Installation end user training is must and documented, which need to be submitted along with installation report.

B. Technical Specification for supply & installation of Patient Monitor (3 Para):

- 1) Should have ECG, SpO2, NIBP and Respiration as standard parameters.
- 2) Should display at least 3 waveforms of selected parameters simultaneously.
- 3) Should have inbuilt continuous battery backup of minimum four hours; upgradable to 6 hours.
- 4) Display: Color TFT display size of 10" or more.
- 5) Should have facility for displaying multi-screen configurations.
- 6) Should be able to store & display at least 72 hours of tabular & graphical trends of all parameters.
Should also have full disclosure of waveforms for minimum 48 hours.
- 7) Should be suitable for monitoring pediatric, neonate & adult patients.
- 8) The SpO2 technology should be Fast & should sense in hypotension, shivering & motion.
- 9) Should have oscillometric Technology for measurement of NIBP with Auto, STAT and Manual modes.
- 10) Should have different patient type selection.
- 11) Should be able to analyze arrhythmias & ST segment changes. Monitor should be upgradable to monitor 12 lead ECG with ST maps.
- 12) Should be able to give visual & audible alarms with three levels of volume adjustment.
- 13) Should have connectivity to Central station through Ethernet card or Wireless Connectivity.
- 14) USB port should be available to directly export tabular trend data. Monitor should also be able to export data in HL7 format.
- 15) Should be European CE/US-FDA approved.
- 16) Equipment should be supplied with compatible 5 lead ECG cable (1 Nos.), SpO2 (Pediatric and Neonate) probe 2 Nos. each, NIBP Cuff with connecting hose-tube of Adult, Pediatric & Neonate (1 each) & Operating/user Manual (1 No.)
- 17) **Power-Supply:**
Power input to be 220-240VAC, 50Hz fitted with Indian plug.
- 18) Warranty: 2 years on equipment from the date of installation along with all accessories. CMC for 8 years after completion of warranty period of 2 years.

- 19) The company should mention the make & model name/number of the quoted equipment and submit the technical brochure of the quoted model in the Technical Bid along with compliance sheet as per technical specifications.
- 20) The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90% .
- 21) User Manual and service manual in English should be handed at the time of installation.
- 22) 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. Location and details of the service facilities (tier-wise) should be provided, clearly indicating services which can be delivered locally and services for which machine/ components will need to be taken outside.
- 23) Year of introduction of the quoted model internationally and provide documentary evidence.
- 24) Installations List of the quoted model only, evidence must be provided in technical bid.
- 25)
- 26) List of important spare parts and accessories with their part number and costing.
- 27) Post Installation end user training is must and documented, which need to be submitted along with installation report.

C. Technical Specification for supply & installation of Ventilator for Pediatric to adult Patient:

- 1) Should be advanced technology ventilator for use in ICU, dedicated for ventilating pediatric to adult patients and should be upgradable to neonatal patient in future.
- 2) Should be employing multi-microprocessor controlled system with individual selection of various ventilation parameters and PEEP. Rapid trigger response time in all modes for minimum work of breathing.
- 3) Should have tilt-able and rotatable LCD/TFT colour graphic display of at least 12" or more size touch screen. And should patient data with pressure, flow and volume curves with display of 3 waveforms simultaneously, trends and measurement values.
- 4) Should have standalone quiet compressor (< 50 bd noise) based system and compressor should be from same manufacturer.
- 5) Should have the following modes.
 - a). Volume and Pressure Controlled modes
 - b). SIMV (Pressure controlled and volume controlled) with pressure support
 - c). Spontaneous modes like CPAP / PEEP
 - d). Advanced mode like Pressure Regulated volume control mode and volume support mode.
 - e). Airway Pressure Release ventilation
 - f). Non-invasive ventilation.
 - g) Volume Support mode should be optionally available.
- 6) Should have the facility for following settings:
 - a). Tidal Volume: Minimum 20 ml and maximum of 2000 ml or more in Volume control
 - b). PEEP 0- 40 cmH2O.
 - c). Pressure support upto 80 cmH2O
 - d). Flow Pattern: Square, Decelerating
 - e). Respiratory Rate upto 80 bpm or more
 - f). Inspiratory Plaetau upto 60% of Inspiratory time
 - g). SIMV Rate upto 60 cycles/min
 - h). FIO2: 21% - 100%
 - i). Inspiratory and Expiratory flow and pressure Trigger Sensitivity
 - j). Manual Cycle, Inspiratory Pause, Expiratory Pause.
 - k). O. I : E ratio 1:10 to 4:1

- 1). Apnea time: 15 to 45 sec
- 7) Should be able to monitor and measure the following parameters
 - a). Airway pressure: Peak, Mean, Plateau, PEEP.
 - b). Total breath rate.
 - c). O₂ concentration.
 - d). I:E ratio.
 - e). Tidal volume: Inspired, Expired.
 - f). Minute volume: Inspired, Expired.
 - g). End expiratory flow.
 - h). Inspiratory time.
 - i). Total PEEP.
 - j). Compliance: Static and dynamic
 - k). Resistance: Inspiratory and expiratory.
 - l). Work of breathing index
 - m). P 0.1 (Occlusion pressure)
 - n). Time constant
 - o). Elastance of lung
 - p) Leakage monitoring
- 8) Should have automatic self-test, flow and oxygen sensor calibration.
- 9) Should have automatic leakage compensation.
- 10) Should have the facility for both Pressure triggering and Flow triggering
- 11) Should have Inspiratory and Expiratory hold maneuver 0 to 30 sec.
- 12) Should have Manual breath facility.
- 13) Should have Compiled trend analysis at least for 24 hours for all measured parameters.
- 14) Should have Compiled trend analysis at least for 24 hours for all measured parameters.
- 15) Should have facility to measure:
 - a. Pressure / Volume loops
 - b. Flow/ volume loops
- 16) Should display minimum 2 curves/graphs /loops simultaneously on the screen
 - a). Should have audio-visual alarms for the following parameters:
 - b). Peak inspiratory pressure – High & Low
 - c). FiO₂ – high & low
 - d). Respiratory rate – high & low
 - e). Tidal volume – high & low
 - f). Minute volume – high & low
 - g). Apnea
 - h). Gas supply failure
 - i) Battery Low
- 17) Should have integrated port for nebulization with setting of duration of nebulization time or external nebulizer should be provided as standard.
- 18) Should have Oxygen therapy function to provide high flow oxygen via nasal cannula or oxygen mask. (optional)
- 19) Should have PV tool procedure for finding out optimal PEEP (Optional)
- 20) Should have integrated battery with not less than 60 minutes backup.
- 21) Should have event log: 500 Alarms and event logs.
- 22) Should have directly screen shot and data export function by USB in readable format without need of manufacturer specific software.
- 23) Spares should be available for 10 years after installation.
- 24) Should be US F.D.A. / European CE approved from notified body.

- 25) Expiratory valve/cassette should be of complete cleaning, disinfection and autoclaving capability and supply 2 nos with each ventilator.
- 26) Compressor should be US-FDA approved / European CE certified. And should display pressure generated.
- 27) Hinged arm/ patient circuit-holder and ventilator trolley should be from the same manufacturer.
- 28) The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90% .
- 29) User Manual and service manual in English needs to be handed along with installation report.
- 30) 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. Location and details of the service facilities (tier-wise) should be provided, clearly indicating services which can be delivered locally and services for which machine/ components will need to be taken outside.
- 31) List of important spare parts and accessories with their part number and costing.
- 32) Post Installation end user training is must and documented, which need to be submitted along with installation report.
- 33) Warranty: 2 years on equipment from the date of installation along with all accessories. CMC for 8 years after completion of warranty period of 2 years.
- 34) Certificate of calibration and inspection from factory.
- 35) Must submit User list and performance report / testimonial for the same quoted model.
- 36) **Power Supply**
Power input to be 220-240 V-AC 50 Hz.
- 37) **The equipment should be supplied with following standard Accessories:**
 - i) Reusable Circuit : Adult (1 Set.) And Ped (1 Set). with each Ventilator
 - ii) Disposable Pediatric patient circuit: 10 Nos. with each Ventilator.
 - iii) Heat & Moisture exchanging Filter: 10 Nos. with each Ventilator.
 - iv) Trolley from OEM. along with Humidifier bracket.
 - v) Tube holder OEM.
 - vi) Compressor of same make mounted on trolley.
 - vii) Autoclavable Expiratory valve and autoclavable flow sensors- 2 (Two) quantity with each ventilator otherwise add 50 (Fifty) quantity disposable/ semi reusable flow sensors along with 2 (Two) autocable expiratory valves.
 - viii) Face mask for NIV: 1 sets of reusable masks of sizes (Small, Medium, large).
 - ix) Test Lung- 1 No.
- 38) Year of introduction of the quoted model internationally and provide documentary evidence.
- 39) Installations List of the quoted model only, evidence must be provided in technical bid.

D. Technical Specification for supply & installation of Infusion Pump:

Delivery of medications indicated for infusion therapy, mains and battery operation.
The Infusion Pump

- 1) Should be operated on drip rate Peristaltic finger pump method.
- 2) Should be compatible with most of the IV set (macro/micro drip sets).
- 3) Intended for use on adult/pediatric.
- 4) Easy dose rate calculation, easy loading and operation process.
- 5) Infusion Volume limit should be 1ml to 9999ml
- 6) Should have a volume infused display from 0 to 999.9ml.
- 7) Should have volume and drop control.
- 8) Equipment should fit on IV stand, should be compact.
- 9) Equipment should be capable to deliver IV fluid, Blood, PCA and drugs.
- 10) Comprehensive alarm system for following parameters should be available:
Occlusion, end of infusion, lock mode, air in line, door open, low battery, system malfunction, etc.
- 11) Equipment should be compatible with all standard IV sets including pediatric IV sets.
- 12) Battery charging time should be less than 8 hours for depleted battery.
- 13) Battery backup should be up to 2 hours at 125 ml/hr
- 14) Pole clamp material should be of metal or hard Teflon.
- 15) Should have drip sensor.
- 16) Should have purge function.
- 17) Overall accuracy of flow should be +/-10% or better.
- 18) Should have bright LED/LCD display showing infusion parameters.
- 19) Air bubble sensor should be available.
- 20) Equipment should be capable for preventing free flow and back flow.
- 21) Should be light weight, please mention weight.
- 22) **Power Supply**
Should work with Power input to be 220-240 V-AC
50 Hz.
- 23) Standardized IV set of 10 Nos. to be supplied with each pump.
- 24) Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission / FDA (US) Copy of the certificate shall be produced along with the technical bid.
- 25) The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90% .
- 26) User Manual and service manual in English and need to be submitted along with installation report.
- 27) 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. Location and details of the service facilities (tier-wise) should be provided, clearly indicating services which can be delivered locally and services for which machine/ components will need to be taken outside.
- 28) List of important spare parts and accessories with their part number and costing.
- 29) Post Installation end user training is must and documented, which need to be submitted along with installation report.
- 30) Warranty: 2 years on equipment from the date of installation along with all accessories. CMC for 8 years after completion of warranty period of 2 years.
- 31) The company should mention the make & model name/number of the quoted equipment and submit the technical brochure of the quoted model in the Technical Bid along with compliance sheet as per technical specifications.
- 32) Year of introduction of the quoted model internationally and provide documentary evidence.
- 33) Installations List of the quoted model only, evidence must be provided in technical bid.

E. Technical Specification for supply & installation of Defibrillator with Pediatric paddles :

- 1) It should be a latest technology, advanced Low Energy Biphasic defibrillator monitor with Recorder, within a maximum energy of 220 Joules.
- 2) It should have integrated Automated External Defibrillator (AED). Manual selection maximum upto 220 J.
- 3) It should be light weight, compact, easy to carry and Easy to operate.
- 4) It should have device status indicator for readiness of use.
- 5) It should have facility of manual defibrillation and upgradable to External Pacing.
- 6) It should have in built 3 channel ECG recorder.
- 7) Should have Display- TFT coloured LCD at least 8" diagonal for viewing messages and ECG waveform of 5 seconds
- 8) Should have a built in 50mm strip printer/ thermal recorder
- 9) It should be capable of storing trends and patient data.
- 10) It Should have event summary facility for recording and printing at least 250 events and 50 waveforms.
- 11) Should have Arrhythmia alarms.
- 12) Should have synchronous cardioversion.
- 13) Should have external paddles with paddles contact indicator – for good paddle contact. Both Adult and pediatric paddles should be available.
- 14) It should have biphasic mode, with range of 1 to 220 joules, charge time less than 5 seconds.
- 15) Fully charged in-built battery backup with provision for 20 shocks of 200 joules with 3 hours monitoring OR at least 150 shocks of 200 joules without monitoring.
- 16) It should be capable of printing Reports on Event summary, configuration, self test, battery capacity etc.
- 17) It should have facility for self test/check before usage and set up function.
- 18) It should have SPO2 and NIBP integrated facility, EtCO2 (optional)
- 19) It should have user friendly 1, 2, 3 color coded operation.
- 20) It should have battery capacity indicator on battery.
- 21) . System configuration, accessories, spares and consumables:
 - a) Adult external paddles-01 No.
 - b) Pediatric external paddles -01 No. (preferably built-in adult paddles)
 - c) Patient cables-02 Nos.
 - d) Complete set of ECG Leads- 02 Nos.
 - e) ECG Rolls-15 (fifteen) Nos.
- 22) It he unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90% .
- 23) It should be capable of operating on mains power Input of 120-240 V, 50/60Hz and as well as battery.
- 24) **Standards, Safety:**
 - 24.1 It should meet international safety standards, US-FDA and CE certification.
 - 24.2 Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC60601-2-25 Safety of Electrocardiograms
 - 24.3 Should conform to international test protocols on exposure to shock forces and to vibration forces. The standard should be documented.

34) **25. Documentation:**

25.1 User Manual and service manual in English should be handed at the time of installation.

25.2 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.

Location and details of the service facilities (tier-wise) should be provided, clearly indicating services which can be delivered locally and services for which machine/ components will need to be taken outside.

25.3 List of important spare parts and accessories with their part number and costing.

25.4 Post Installation end user training is must and documented, which need to be submitted along with installation report.

25.5 Certificate of calibration and inspection from factory.

25.6 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.

25) **Warranty:** 2 years on equipment from the date of installation along with all accessories. CMC for 8 years after completion of warranty period of 2 years.

26) Year of introduction of the quoted model internationally and provide documentary evidence.

27) Installations List of the quoted model only, evidence must be provided in technical bid.

F. Technical Specification for supply & installation of ECG Machine 12 channel :

The ECG Machine should be able to acquire all 12 Leads simultaneously and interpret them. It should have interpretation facility of the amplitudes, durations and morphologies of ECG waveforms and associated rhythm for adult and pediatric patients.

- 1) Should have 8" or better, high resolution color touch-screen.
- 2) Should have Alphanumeric keyboard and one touch operation.
- 3) Should have 12 leads simultaneously.
- 4) Should be Automatic measurement and interpretation tested with authoritative CSE/AHA/MIT database.
- 5) Should be Built in rechargeable Li-ion battery for 300 ECG report printing.
- 6) Should have minimum 500 ECG recordings storage capacity.
- 7) Rhythm should be Single or Three channel selectable.
- 8) Support external printer via USB port.
- 9) Should have Auto/Manual/Rhythm/R-R/off.
- 10) Should have built in thermal Printer with A4 printer paper integrated into the system.
- 11) Record speed should 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s (+_ 3%).
- 12) Should have Automatic Baseline Adjustment.
- 13) Data transmitting to PC via LAN/Wi-Fi in numeric and PDF format.
- 14) Preferable to have option to read linear/2 D BARCODE for patient data(connection to HIMS)
- 15) Trolley should be provided with the machine.
- 16) **Power Supply:**
 - a. Built-in Li-Ion battery should have back-up for recording and printing at least for 4 hours on full charge.

- b. Option for second Li-Ion battery for additional extended back-up.
- c. Power input to be 220-240VAC, 50Hz fitted with Indian plug.

17) **Standards, Safety:**

- a. It should meet international safety standards, US-FDA or European CE certification.
- b. Electrical safety conforms to standards for electrical safety IEC-60601-1 General requirements and IEC60601-2-25, Safety of Electrocardiograms.

- c. The unit shall be capable of storage and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90%.

18) **System configuration, accessories, spares and consumables:**

- a) 12 Leads ECG Machine with Interpretation - 01
- b) Patient Cable -02
- c) Chest Electrodes Adult-(set of six) -02 sets.
- d) Chest Electrodes Pediatric-(set of six) -02 sets
- e) Limb Electrodes (set of 4)- 02 sets of Adult and 02 sets of Pediatrics
- f) Thermal Paper A4 Size for 200 patients
- g) ECG Gel pack of 250 ml – 2Nos.
- h) Local ECG trolley with lockable front synthetic wheels- 01 No.

19) **Documentation:**

- a. User Manual and service manual in English should be handed at the time of installation.

- b. 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. Location and details of the service facilities (tier-wise) should be provided, clearly indicating services which can be delivered locally and services for which machine/ components will need to be taken outside.

- c. List of important spare parts and accessories with their part number and price.

- d. Post Installation end user training is must and documented, which need to be submitted along with installation report.

- e. Certificate of calibration and inspection from factory.

- f. Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.

20) **Warranty:**

2 year on equipment from the date of installation along with all accessories. CMC for 8 years after completion of warranty period of 2 years.

21) Year of introduction of the quoted model internationally and provide documentary evidence.

22) Installations List of the quoted model only, evidence must be provided in technical bid.

G. Technical Specification for supply & installation of Portable ABG Machine :

- 1) Fully Automatic, fast electrolyte & Blood gas analyzer.
- 2) Instrument should be portable weighing less than 1 kg suitable for patient bedside monitoring and battery operated (Rechargeable battery)
- 3) Instrument should have test menu which should include electrolytes, blood gases, lactate, hemoglobin, hematocrit, glucose etc.
- 4) Sample Volume - Less than 100 micro Litre.
- 5) The single use test cartridge should be self-contained with all the reagents, sensors & calibrating solutions required for running the test.
- 6) All the blood test should be performed in disposable test cartridges.
- 7) Sample should be whole blood from arterial, venous or capillary.
- 8) The total time required should not be more than 2 minutes including calibration and analysis of sample.
- 9) Data display should be on well-illuminated, adequate size screen display.
- 10) Data storage for at-least 1000 patients.
- 11) Equipment should have Auto Calibration with every patient sample.
- 12) Ambient working temperature - 15 to 35 degrees C.
- 13) Equipment should be provided along wireless thermal printer.
- 14) Equipment should have inbuilt barcode reader for easy identification of Patient ID, operator ID, Cartridge and control lot numbers.
- 15) In case of breakdown company should provide temporary arrangement to conduct the test.
- 16) Equipment should be capable of electrochemical measurement using different modes such as amperometric, potentiometric and conductometric.
- 17) Supplying Company should have well equipped Service Center in Guwahati & must give written undertaking in Technical Bid to provide after Sales Service within 24 hours of breakdown reporting.
- 18) Warranty of 2 years and 8 years CMC after completion of warranty period.
- 19) The parent company should assure supply of reagents, consumables and spares for 10 years from the date of installation. Written document in company/ manufacturer letter head, need to be submitted in technical bid.
- 20) It must be US-FDA / European CE approved.
- 21) Must submit User list and performance report.
- 22) Instruments with gas cylinders used for calibration will not be suitable for this Tender.
- 23) Post Installation end user training is must and documented, which need to be submitted along with installation report.
- 24) Detailed operating manual should be supplied at the time of installation.
- 25) **Standard scope of supply:**
 1. Analyzer.
 2. Wireless Thermal printer with power adapter.
 3. 4 (Four) Nos. of rechargeable batteries.
 4. Battery recharger 1 (one) No.
 5. cartridge 1 (one) pack of 25 tests (as per user requirement)
 6. User manual.
- 26) Rates of consumables & accessories should be submitted in commercial bid.
- 27) Rates of consumables & accessories should be submitted in commercial bid.
- 28) Certificate of calibration and inspection from factory must be submitted at the time of installation.
- 29) Power Supply: Power input to be 220-240 V-AC 50 Hz.
- 30) The company should mention the make & model name/number of the quoted equipment and submit the technical brochure of the quoted model in the Technical Bid along with compliance sheet as per technical specifications.
- 31) Year of introduction of the quoted model internationally and provide documentary evidence.
- 32) Installations List of the quoted model only, evidence must be provided in technical bid.

H. Technical Specification for supply & installation of Portable Ultrasound with Echo:

The portable Ultrasound should be a state of art fully digital, compact Doppler point of care ultrasound machine with weight less than 7.5 kg and pin-less transducer technology is required with following technical features:

- 1) Unit should be able to give very high image quality with advance technologies like compound imaging for better cardiac contrast resolution, tissue differentiation and edge detection, equivalent to high end cart based systems. Please specify the technology.
- 2) System should be able to support speckle reduction imaging for better tissue margins and improve contrast resolution by reducing artifacts and improving visualization of texture patterns & needle tip within the image, please specify the technology.
- 3) The system shall have both online Read as well as offline write zoom facility.
- 4) Imaging modes of real time 2D, Doppler and cardiac evaluation for 2D echo required.
- 5) System must have fast start up to scanning in less than 30 seconds from off condition, for use in critical and emergency situations.
- 6) Cine memory on all modes.
- 7) The system must have a dedicated vascular package, cardiac calculation packages.
- 8) Flat LCD/TFT Monitor of above 10" inches with flicker free image.
- 9) Alphanumeric soft keys keyboard with easy access scans controls & touch pad, facility to sanitize the system keyboard to avoid cross contamination.
- 10) The system must have the ability to function by AC/DC or battery power with the same degree of functionality, the battery life shall be at least 2 hours.
- 11) The system must have archive capability for storage and retrieval of images and video data.
- 12) Data transfer facility should be available as standard, to transfer images etc. easily into another system/computer etc. via : Standard cables & parts which must be provided with the system.
- 13) The system shall support the all DICOM functionality, storage, print, and work-list , also ready to connect to PACS.
- 14) System should posse's software for the Enhanced needle visualization to track the needle clearly in both in-plane and out-of-plane tracts during the procedures.
- 15) The trolley with locking mechanism for safety & security of the system should be provided.
- 16) **Transducers to be supplied as standard**
 - a). 4-8 (+/-1) MHz multi-frequency broadband curved array transducer for general purpose, abdominal, deep nerve access applications. 1 No. (for Pediatric patient)
 - b). 4-8 (+/-1) MHz frequency range cardiac transducer. 1 NO. (For Pediatric patient)
 - c) 6-13 (+/-1) MHz high frequency probe. 1 No. (For Vascular access in Pediatric patient) along-with one number of biopsy needle guide kit and software.
 - d). Mobile cart with transducer holder, space for printer and main unit lock chain.
- 17) Installations List of the quoted model only, evidence must be provided in technical bid.
- 18) Should be European CE/US-FDA approved.
- 19) **Power Supply**

Power input to be 220-240 V-AC 50 Hz.
- 20) **Warranty:** 2 years on equipment from the date of installation along with all accessories. CMC for 8 years after completion of warranty period of 2 years.
- 21) The company should mention the make & model name/number of the quoted equipment and submit the technical brochure of the quoted model in the Technical Bid along with compliance sheet as per technical specifications.
- 22) User Manual and service manual in English should be handed at the time of installation.
- 23) 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. Location and details of the service facilities (tier-wise) should be provided, clearly indicating services which can be delivered locally and services for which machine/ components will need to be taken outside.

- 24) List of important spare parts and accessories with their part number and costing must be submitted in commercial bid.
- 25) Year of introduction of the quoted model internationally and provide documentary evidence.
- 26) Post Installation end user training is must and documented, which need to be submitted along with installation report.

I. Technical Specification for supply & installation of Mobile X-ray with DR Unit :

X-ray Machine with flat panel Detector

The Unit should be compact, light-weight, easily maneuverable, mobile Digital Radiography Unit on wheels with spring balanced, suitable for bedside X-rays for ward and ICU patients. The unit should be a digital system with flat panel detector where the flat panel detector and console software should be from same manufacturer/brand. The system should be compatible with network printer of any make & model (to be configured by the vendor).

1) The Generator:

- A. Must be microprocessor controlled technology offering output of 8 kW or above.
- B. It should have a digital display of mAs and kV and an Electronic timer. Unit offered should have settings of KV & mAs.
- C. Kv range: 40kV to 100 kV or more.
- D. Max. current: 100 mA or more.
- E. mAs range should be 0.5 to 200 mAs or more.
- F. Shortest exposure time : should be 1 ms or better
- G. The generator should have automatic line compensation function
- H The exposure release switch should be provided with cord of at least 3 meters.

2) X-ray Tube:

- A. Output displayed should match the output of the generator.
- B. Focal Spot size should be:
 - i. Large Focus: 1.5 mm or less
 - ii. Small Focus: 0.6mm or less
- C. Mention the heat storage capacity of the rotating anode.

3) Flat Panel Detector:

- A. The digital detector should be latest full field AED wireless flat panel detector FPD) of size 14" * 17" or more.
- B. The detector Scintillator material should be made up of Cesium Iodide / Gadolinium Oxysulfide or better, and sensor with thin film transistor (TFT) and Amorphous Silicon Technology.

- C. The detector should be capable of doing out of bucky radiography and also lateral supine radiography.
- D. The detectors should have high DQE of 65% @ 0 lp/mm or more.
- E. The Detector should have a minimum spatial resolution of 2.7 LP /mm or more.
- F. Detector array size: should be minimum of 2k * 2.4 k pixels or higher.
- G. Pixel pitch: 175 microns or less.
- H. A to D conversion : 16 bits.
- I. The Detector offered should be light in weight with less than 3 (three) kgs.
- J. Images pre-viewing should be available immediately after exposure in the console laptop.

- K. The battery must be latest lithium-Ion Type. 3 (Three) Nos. of batteries along with battery recharger should be provided. These batteries must be available as spare for the entire life of the equipment (ie. 10 yrs from the date of installation).

- L. The detector offered should be capable of handling 200 images or more exposures or 3 hours of operation in single full charge.

- M. Detector & console software should be mandatorily from the same manufacturer.

- N. The detector should be able to work at normal room temperature and humidity.

- O. Offered detector should have uniform load bearing capacity of 300 Kgs over the whole area of detector. Load limit -local load 120kgs on an area of 40mm in diameter. Detector should be having fall protection and bending protection.

4) **Console Workstation:**

- A. The console should have a Laptop with monitor size 12" or more.
- B. The work-station should enable capture and to view the image, and provide post processing features.
- C. The basic processing features should include, zoom, contrast and brightness setting. unit should have capability of storage of images with a memory of at-least 3000 images. All advanced features of the software provided should be well described in the technical bid for evaluation.
- D. System should all the exporting/ archiving through USB device/ CD/DVD writer.
- E. System should be able to seamlessly transfer images to PACS and network printer (to be configured by the vendor at the time of installation).
- F. Workstation Laptop must be provided with FHD quality display, HD graphic card with licensed Genuine Windows 10 / Linux based operating system, intel i5 processor or above, 1 TB hard disk, minimum of 6 GB RAM.
- G. During the life of the X-ray equipment if the workstation computer fails, the entire software must be loaded and activated free of cost on another computer by vendor.
- H. In case of updating of OS, the updated software must be provided by the vendor.
- I. In the event of breakdown of workstation, recovery of data should be done by vendor free of cost.

5) **Mobile Stand:**

- A. The mobile unit must move on sturdy wheels, manually driven with appropriate braking facility.
- B. Should have lockable detector storage compartment should be provided with proper safety cushions for detector storage.

- 6) Two light weight lead aprons along with two thyroid shields and lead glass spectacles two numbers should be provided with the unit and apron stand one number.
- 7) The mobile X-ray system should have AERB type approval and the copy of same must be submitted in technical bid.
- 8) Installations List of the quoted model only and contact references of the users, along with contact details of users for verification must be provided.
- 9) Complete system should be European CE/US-FDA approved.
- 10) Warranty: 2 years on equipment including workstation (hardware and software) from the date of installation along with all accessories. CMC for 8 years after completion of warranty period of 2 years applicable on all items as above.
- 11) Dedicated application specialist from the manufacturer must be provided at the site of installation for providing demonstration of the unit and configuring users applications.
- 12) The company should mention the make & model name/number of the quoted equipment and submit the technical brochure of the quoted model in the Technical Bid along with compliance sheet as per technical specifications.
- 13) The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90% .
- 14) User Manual and service manual in English should be handed at the time of installation.
- 15) 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. Location and details of the service facilities (tier-wise) should be provided, clearly indicating services which can be delivered locally and services for which machine/ components will need to be taken outside.
- 16) List of important spare parts and accessories with their part number and costing must be submitted in commercial bid.
- 17) **Power Supply:**
 - a. Power input to be 220-240VAC, 50Hz fitted with Indian plug.
 - B. UPS with minimum 15 minutes backup should be provided for the workstation.
- 18) Post Installation end user training is must and documented, which need to be submitted along with installation report.
- 19) Year of introduction of the quoted model internationally and provide documentary evidence.
- 20) Installations List of the quoted model only, evidence must be provided in technical bid.

J. Technical Specification for supply & installation of Pediatric Patient Bed 5 fubnctions for ICU:

Specifications of Motorized Pediatric ICU Beds with Adjustable Bedside Table.

- 1) Bed Size approx. 1670mm (L) x 840mm (W) x 400mm to 700mm Height (+/- 10% for all)
- 2) Mattress for above, HD foam with washable antibacterial zipper cover.
- 3) Safe working load of 150Kg and patient weight bearing capacity should be 60Kgs or more.
- 4) 3 section Polypropylene detachable tops fitted top bed frame with perforated design for easy breathing of mattress.
- 5) 3 Section platform
- 6) Adjustable backrest, height, trendelenburg and reverse-trendelenburg functions.
- 7) Electronic controls of above movements of the platform with remote.
- 8) Backrest angle: 0-70 degree and foot rest angle 0-30 degree.

- 9) One manual pull lever on both sides of bed for flattening of bed at the lowest height for CPR. Optionally the zero positioning function can also be on remote.
- 10) Battery backup with inbuilt battery charger should be provided.
- 11) Should have powder coated metal frame.
- 12) The base frame shall be mounted on 125 mm diameter non-rusting twin wheel castor with central & directional locking mechanism.
- 13) Twin wheel castors with castor housing and wheels made from high grade non floor staining synthetic materials and integrated thread guards. Wheel centre having precision ball bearing to run smoothly.
- 14) The bed shall have polymer molded head and foot side panels detachable by hand without need of any tool. Four corner rubber buffers.
- 15) Bed shall have split type swing down railing, 2 on each side (head and middle sections) made from polymer molded material. These shall be fitted to the mattress support sections and should be able to raise and lock through spring lock mechanism through an operating lever. When put down, they should undergo and level with bed frame.
- 16) Railing shall avoid any finger and neck entrapments.
- 17) Stainless steel IV Pole which can also mount syringe pump.
And IV pole sockets should be available at four corners of the bed.
- 18) Products should be European CE/FDA approved.
- 19) The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90% .
- 20) The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90% .
- 21) The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90% .
- 22) User Manual and service manual in English need to be submitted at the time of installation.
- 23) 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. Location and details of the service facilities (tier-wise) should be provided, clearly indicating services which can be delivered locally and services for which machine/ components will need to be taken outside.
- 24) List of important spare parts and accessories with their part number.
- 25) Back plate should be radiolucent and should have x-ray cassette holder under back plate of bed.
- 26) The company should mention the make & model name/number of the quoted equipment and submit the technical brochure of the quoted model in the Technical Bid along with compliance sheet as per technical specifications.
- 27) Warranty: 2 years on equipment from the date of installation along with all accessories. CMC for 8 years after completion of warranty period of 2 years.
- 28) **Electrical Specifications:**
Nominal 220- 240 V AC
Switch Mode power supply operating range 90V to 300V; 47/63 Hz;
Rechargeable Maintenance-free batteries for Power backup: 2 x 12 V
- 29) Year of introduction of the quoted model internationally and provide documentary evidence.
- 30) Installations List of the quoted model only, evidence must be provided in technical bid.
- 31) **Accessories:**
 - i) 12mm diameter stainless steel SS304 telescopic heavy duty IV rod with 2 hooks with provision to park when not in use.
 - ii) Urine/ drainage bag holder – two Nos. (1 on either side of bed)
 - iii) Chart holder – one

iv) Mattress with 4 inch thick PU Foam of 40 density, covered with superior cover material (water proof, anti- bacterial and flame retardant properties)

v) Oxygen cylinder Cage

32) **Adjustable Bed Side Table** (from same manufacturer): 1 No. with each Bed

i. Overall Size of top should be 810 mm x 352 mm W

ii. Fitted with gas spring mechanism shall have latch pressing mechanism for lowering down the table top: the raising of the top shall be done by merely lifting up without pressing the latch.

iii. The gas spring shall be housed in aluminium extruded telescopic section for smooth sliding up and down from approx. 760 to 1050 mm

iv. Two sections top shall be fixed on 19 mm square ERW tube frame Work. Fixed section is provided with rounded SS railing of mm dia rod on three sides.

v. Bigger section of the table top should be hinged & could be inclined to raise position options front side of bigger section of the top should be provided with raised PVC edge to prevent things from slipping off top.

vi. Base of adjustable table should be made from 40 mm x 20 mm x 16 mm rectangular tube welded to 40 mm x 75 mm x 5 mm thick channel connecting length 640 mm and should be fitted with four castor Wheel Dia 50 mm.

viii. M.S. tubular part, Linkages, flats are to be In House, Pre-treated, Shot Blasting and Epoxy powder coated as per ISI standard, 50 to 60 microns.

33) **Beside Locker with two compartments** (from same manufacturer): 1 No. with each Bed

K. Technical Specification for supply & installation of General Pediatric Patient Bed :

Specifications of Pediatric General Beds with Adjustable Bedside Table

- 1) Bed Size approx. 1670mm (L) x 840mm (W) x 400mm to 700mm Height (+/- 10% for all)
- 2) Mattress for above, HD foam with washable antibacterial zipper cover.
- 3) Safe working load of 150Kg and patient weight bearing capacity should be 60Kgs or more.
- 4) 2 section tops fitted top bed frame with perforated design for easy breathing of mattress.
- 5) Actuated backrest Adjustment, trendelenburg and reverse trendelenburg functions (with remote).
- 6) Backrest angle: 0-70 degree.
- 7) Battery backup with inbuilt battery charger should be provided.
- 8) Should have powder coated metal frame.
- 9) The base frame shall be mounted on 125 mm diameter non-rusting wheel castor with central locking mechanism.
- 10) Wheel castors with castor housing and wheels made from high grade non floor staining synthetic materials and integrated thread guards. Wheel centre having precision ball bearing to run smoothly.
- 11) The bed shall have polymer molded head and foot side panels detachable by hand without need of any tool. Four corner rubber buffers
- 12) Bed shall have split type swing down railing, 2 on each side (head and middle sections) made from polymer molded material. These shall be fitted to the mattress support sections and should be able to raise and lock through spring lock mechanism through an operating lever. When put down, they should undergo and level with bed frame
- 13) Railing shall avoid any finger and neck entrapments.
- 14) Stainless steel IV Pole which can also mount syringe pump.
And IV pole sockets should be available at four corners of the bed.
- 15) Products should be European CE/FDA/BIS approved.

- 16) The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90% .
- 17) User Manual and service manual in English should be supplied at the time of installation.
- 18) 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. Location and details of the service facilities (tier-wise) should be provided, clearly indicating services which can be delivered locally and services for which machine/ components will need to be taken outside.
- 19) List of important spare parts and accessories with their part number.
- 20) Back plate should be radiolucent and should have x-ray cassette holder under back-plate of bed.
- 21) The company should mention the make & model name/number of the quoted equipment and submit the technical brochure of the quoted model in the Technical Bid along with compliance sheet as per technical specifications.
- 22) Warranty: 2 years on equipment from the date of installation along with all accessories. CMC for 8 years after completion of warranty period of 2 years.
- 23) **Electrical Specifications:**
 Nominal 220- 240 V AC
 Switch Mode power supply operating range 90V to 300V; 47/63 Hz;
 Rechargeable Maintenance-free batteries for Power backup: 2 x 12 V
- 24) **Accessories:**
 - i) 12mm diameter stainless steel SS304 telescopic heavy duty IV rod with 2 hooks with provision to park when not in use.
 - ii) Urine/ drainage bag holder – two Nos. (1 on either side of bed)
 - iii) Chart holder – one
 - iv) Mattress with 4 inch thick PU Foam of 40 density, covered with superior cover material (water proof, anti-bacterial and flame retardant properties)
 - v) Oxygen cylinder Cage.
- 25) Year of introduction of the quoted model internationally and provide documentary evidence.
- 26) Installations List of the quoted model only, evidence must be provided in technical bid.
- 27) **Adjustable Bed Side Table**
 - i. Overall Size of top should be 810 mm x 352 mm W
 - ii. Fitted with gas spring mechanism shall have latch pressing mechanism for lowering down the table top: the raising of the top shall be done by merely lifting up without pressing the latch.
 - iii. The gas spring shall be housed in aluminium extruded telescopic section for smooth sliding up and down from approx. 760 to 1050 mm
 - iv. Two sections top shall be fixed on 19 mm square ERW tube frame Work. Fixed section is provided with rounded SS railing of mm dia rod on three sides.
 - v. Bigger section of the table top should be hinged & could be inclined to raise position options front side of bigger section of the top should be provided with raised PVC edge to prevent things from slipping off top.
 - vi. Base of adjustable table should be made from 40 mm x 20 mm x 16 mm rectangular tube welded to 40 mm x 75 mm x 5 mm thick channel connecting length 640 mm and should be fitted with four castor Wheel Dia 50 mm.
 - viii. M.S. tubular part, Linkages, flats are to be In House, Pre-treated, Shot Blasting and Epoxy powder coated as per ISI standard, 50 to 60 microns.
- 28) **Bedside Locker with two compartments** (from same manufacturer): 1 No. with each Bed

L. Technical Specification for supply & installation of Attendant Chair Cum Bed :

Attendant Chair cum bed should offer comfortable seating and sleeping for the patient's attendant.

- 1) Dimension: 1800 mm (L) * 780 mm (W)
- 2) Fixed height of attendant bed cum chair should be 520 mm or better.
- 3) Back-rest Adjustment: 0-60 degree
- 4) Should have Load bearing capacity of 120Kg or better.
- 5) Should have manual adjustment for back-rest, leg-section and mechanical chair position.
- 6) Should have arm rest. On either side of the attendant bed cum chair.
- 7) Should have a shelf/ tray at the bottom.
- 8) Should have pre-treated and powder coated metal frame.
- 9) The company should mention the make & model name/number of the quoted equipment and submit the technical brochure of the quoted model in the Technical Bid along with compliance sheet as per technical specifications.
- 10) Warranty: 2 years on equipment from the date of installation along with all accessories. CMC for 8 years after completion of warranty period of 2 years.
- 11) 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. Location and details of the service facilities (tier-wise) should be provided, clearly indicating services which can be delivered locally and services for which machine/ components will need to be taken outside.
- 12) Year of introduction of the quoted model internationally and provide documentary evidence.
- 13) Installations List of the quoted model only, evidence must be provided in technical bid