

**DR. BHUBANESWAR BOROOAH 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  
Tel: 09957033199/ 09957033212, Fax: 0361-2472636  
Email: [bbci\\_info@yahoo.co.in](mailto:bbci_info@yahoo.co.in)

NIT No. BBCI-TMC/Equip-436 /NIT/ 2224 / 2021

Date: 12/07/2021

**Tender Documents**

1. Notice for invitation of Tender  
  
NIT No. : BBCI-TMC/Equip-436/NIT/2224/2021  
Date of publication : 12/07/2021  
Last Date of Submission : 27/08/2021 upto 2:00 PM  
Opening of Technical Bid : 27/08/2021 at 3:00 PM
2. Instructions to the Supplier.
3. Tender Form - Application
4. Schedule of Specification of the item tendered and Compliance report on the prescribed form and on CD.
5. Conditions of the tender (General as well as Special)
6. Valid Letter of authority from the Principal to the Indian agent duly signed, executed and stamped
7. 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.
8. Disclosure of existing customers to whom supply of equipment / service made available in India.
9. Certificate that only price bid (**7 forms**) are attached.
10. Commercial Offer form – Price Bid terms for arriving at lowest commercial bid.
11. Commercial offer /Price bid format of BBCI, Guwahati.
12. For any queries on the NIT, vendor may write to the following e-mail address:  
**E-mail : [bbci\\_info@yahoo.co.in](mailto:bbci_info@yahoo.co.in)**
13. Vendor to submit BOQ without mentioning price in the technical bid.



Senior Administrative Officer  
Dr B Borooah Cancer Institute, Guwahati

**Instructions to Suppliers**

Suppliers are requested to take note of the following instructions while filling the Tender form for submission of Technical and Commercial offer:

1. The tenderer should furnish the full 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 bidder should be having a legal entity either of individual/partners or a body corporate which may sue or may be sued in India jurisdiction.
3. The 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
4. The bidder should have necessary license under the prevailing laws of the land and competent to undertake import and export process of goods and services.
5. The bidder should have tax payment capability by producing 3 years Assessment Clearance Certificate as and when asked for in addition to PAN and TAN No.
6. The bidder should provide GST No. and License No. as may be required for manufacturing of item and/or import from foreign origin.
7. Experienced bidder should attach certificate of their past experience in support of their capability in the field of dealing with the item tendered.
8. The successor / heirs in office will be responsible for the liabilities created by the bidder in respect to the item / services offered by bidder.
9. The risk of loss in transit of the goods / services shall be the responsibility of the bidder.
10. The bidder will be solely responsible for the activities, and 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 bidder will be responsible for abiding with international laws including rules relating to package etc. applicable to the item / services offered by the bidder.
12. The bidder will be responsible for ensuring compliance with 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 bidder will be responsible for safe transit of the goods under proper goods insurance coverage and under standard / appropriate conditions.
14. The supplier 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. The 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 by the supplier 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.
16. For any queries on the NIT, vendor may write to the following e-mail address:  
**E-mail : [bbci\\_info@yahoo.co.in](mailto:bbci_info@yahoo.co.in)**
17. Vendor to submit BOQ without mentioning price in the technical bid.
18. The 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.
17. The 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.
18. The bidder is responsible for installation and commissioning of the equipment without damaging infrastructural image/face of our building/installation site. Temporary destruction and reconstruction 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 bidder shall make good the same at his own cost.
19. The bidder should obtain clearance from structural consultant before starting the work (wherever applicable).
20. The installation certificate will have to be issued by the concerned head of the Dept. after final AERB approval for clinical commissioning and the warranty period will commence from that date.
21. The bidder should ensure that the technical bid complete in all respect should be sealed in a separate cover and commercial/price Bid should be sealed in separate cover and both the envelopes should be kept and sealed in a suitable size cover which should be superscribed with name of the equipment, **tender No. & the EMD receipt number and date.**
22. The bidder is also advised to ensure that the Commercial offer and the Technical offer papers are signed by the authorized persons and rubber stamp should be put wherever asked for.
23. The offers should be submitted within the scheduled time limits and delay if any occurred in submission on account of any reason whatsoever shall not be condoned and such delayed offers received late shall be liable for rejection.
24. The bidder or his authorized representative will be entitled to participate in the tender opening Process to take note of the proceedings of disclosure.

25. Any change in policy decision made by the BBCI management before awarding the contract will be binding on the vendor.

**26. Conditional & incomplete offers will not be accepted.**

27. The Director, BBCI reserves the right of cancellation, adding, reducing or deferring the purchase without assigning any reason thereof at any stage in the processing of tenders received and no claim in this behalf from any tender in any way shall be entertained/tenable/entitled for compensation in one way or the other. In such case of cancellation the bidder will be refunded with the earnest money deposit without any payment of interest of original EMD receipt. The Director, BBCI on enquiry will disclose the reasons for rejecting a tender or non-issuing a tender document.

Certified that I have read the above instructions carefully and taken note of them.

**Signature**

**Name of authorized person for bidder with seal**

**DR. B BOROOAH CANCER INSTITUTE  
A.K. AZAD ROAD, GOPINATH NAGAR  
GUWAHATI-781016, ASSAM**

**TENDER FORM**

**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. <b>(Recent)</b>
	Fax <b>(Recent)</b>
	E-Mail <b>(Recent)</b>
7. Legal entity of the bidder whether Firm / Society / Company / Other entity	
a. Registration No.	b. Authority with whom registered
c. License 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
13. Name & Address of the Bankers of the bidders.	
14. Authority / Delegation / Licence No. & Date granted by the principal to the representative bidder	
15. PAN No.  TAN No.	
16. Registration No. granted by Central Excise Commissioner for Service tax	
17. CST No. / VAT No. / ST 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 TMC 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 under signatory will be personally responsible.

**Signature**

**Name of authorized person for bidder with seal**

Date:

**TECHNICAL COMPLIANCE FORMAT**

Serial # 4-A

**Technical Specification for supply & installation of 'PATIENT TRANSFER TROLLEY (height adjustable) in OT'**

Sr. No.	BBCI tender specification	Technical offer of the bidder	compliance	
			Yes/ No	Remarks



**TECHNICAL COMPLIANCE FORMAT**

Serial # 4-B

**Technical Specification for supply & installation of 'ANAESTHESIA MACHINE (LOW-END) FOR BRACHYTHERAPY OT'**

Sr. No.	BBCI tender specification	Technical offer of the bidder	compliance	
			Yes/ No	Remarks

**TECHNICAL COMPLIANCE FORMAT**

Serial # 4-C

**Technical Specification for supply & installation of 'OT Table (General Surgical)'**

Sr. No.	BBCI tender specification	Technical offer of the bidder	compliance	
			Yes/ No	Remarks

**TECHNICAL COMPLIANCE FORMAT**

Serial # 4-D

**Technical Specification for supply & installation of**

**'SYRINGE PUMP FOR ICU, OT, DAY CARE CHEMOTHERAPY''**

Sr. No.	BBCI tender specification	Technical offer of the bidder	compliance	
			Yes/ No	Remarks

**TECHNICAL COMPLIANCE FORMAT**

Serial # **4-E**

**Technical Specification for supply & installation of  
'INFUSION PUMP FOR ICU, OT, DAY CARE CHEMOTHERAPY'**

Sr. No.	BBCI tender specification	Technical offer of the bidder	compliance	
			Yes/ No	Remarks

**TECHNICAL COMPLIANCE FORMAT**

Serial # **4-F**

**Technical Specification for supply & installation of  
'ICU BED for Immediate Post-Operative Recovery Ward'**

Sr. No.	BBCI tender specification	Technical offer of the bidder	compliance	
			Yes/ No	Remarks

**TECHNICAL COMPLIANCE FORMAT**

Serial # **4-G**

**Technical Specification for supply & installation of 'DEFIBRILLATOR'**

Sr. No.	BBCI tender specification	Technical offer of the bidder	compliance	
			Yes/ No	Remarks

**DR. B BOROOAH CANCER INSTITUTE  
A.K. AZAD ROAD, GOPINATH NAGAR  
GUWAHATI- 781016**

**GENERAL & SPECIAL CONDITIONS OF THE TENDER**

1. Tender will be submitted or dropped in the drop box available in the purchase department in Two Bids in sealed cover super scribed with Tender No. **“BBCI-TMC/EQUIP-436/NIT/2224/2021 dtd.12.07.2021”** for the following **“OT, ICU and DAY CARE CHEMOTHERAPY EQUIPMENT”**

Sl.No.	Equipment	Quantity
A	Patient Transfer Trolley (height adjustable) in OT	04 (four)
B	Anaesthesia Machine (low-end) for Brachytherapy OT	01 (one)
C	OT Table (Generator Surgical)	02 (two)
D	Syringe Pump for ICU, OT & Day Care Chemotherapy	09 (nine)
E	Infusion Pump for ICU, OT & Day Care Chemotherapy	10 (ten)
F	ICU Bed for Immediate Post-Operative Recovery Ward	06 (six)
G	Defibrillator	01 (one)

The tender should contain the technical bid and the commercial bid which would be received **on or before 27/08/2021** in the **Administrative Department**, BBCI, at Guwahati-781016 **up to 2:00 PM. Technical Bids will be opened on 27/08/2021 at 3:00 PM** in the presence of the attending bidders. Time and date of opening of the Price Bid will be intimated only to the bidders who are technically qualified after evaluation of the Technical Bid.

**2. 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.300/-** (Rupees Three Hundred only) plus applicable GST (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 **<http://www.bbcionline.org/tenders.php>**. 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.300/-** plus applicable GST 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.

**3. Earnest Money Deposit :**

**Earnest Money Deposit (EMD) 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.

**The amount of EMD to be deposited are as follows:**

Sl.No.	Equipment	Quantity	EMD amount
A	Patient Transfer Trolley (height adjustable) in OT	04 (four)	Rs. 8,000/-
B	Anaesthesia Machine (low-end) for Brachytherapy OT	01 (one)	Rs. 1,680/-
C	OT Table (Generator Surgical)	02 (two)	Rs. 60,000/-
D	Syringe Pump for ICU, OT & Day Care Chemotherapy	09 (nine)	Rs. 3,780/-
E	Infusion Pump for ICU, OT & Day Care Chemotherapy	10 (ten)	Rs. 6,200/-
F	ICU Bed for Immediate Post-Operative Recovery Ward	06 (six)	Rs. 18,000/-
G	Defibrillator	01 (one)	Rs. 2,240/-

4. **The bids received without paying the tender document charges and EMD charges shall not be considered.**
5. The technically suitable offers shall be shortlisted and the commercial bid will be opened of such technically successful bidders only.
6. The concept of lowest commercial offer will be accepted subject to technical suitability.
7. The successful 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.
8. Successful bidder will be issued with a Letter of Intent if required which will be followed by a Purchase Order.
9. The bidder will also be under obligation to submit the technical specifications & Compliance of the specified item not only in the form of hard copy but also on CD detailing on the left side components and their technical specifications in the prescribed format.
10. A complete product catalogue, literature/publication/user information paper should be submitted in the Technical Bid along with the design, drawing etc. including the weight, volume and size of the equipment.
11. The bidder may separately quote and submit for other variants including those which are work in progress and likely to be marketed in the next couple of years, if they satisfy the requirement for the specified item / equipment.
12. The 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. Vendor is responsible to maintain the equipment till the end of its life.
13. The bidder will have to submit the certificate of Disclosure stating that the Model has been supplied to the users with their details i.e. Name, Address and Tel. No. & E-Mail.



14. The 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. The drawing schedule has to be specified in the technical bid.
15. Compliance to National standards of the country of origin of the manufacturer should be certified by the bidder.
16. Literature/Certificate containing the information of the life of the equipment should also be submitted. This criterion is very important and to be noted as a special condition for the tender acceptance.
17. The replacement of defective parts during the warranty period shall be **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.
18. 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.
19. 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 the hospital and commissioning is done at the entire satisfaction of the authorized officer / user scientist. 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 the hospital.
20. 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.
21. Technical strength of the bidder for providing supply, installation and commissioning and maintenance thereafter will be the one of the most important criteria for technical suitability.
22. The 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.
23. The compliance report shall be properly filled up and duly signed.
24. Each and every page of the technical offer as well as the commercial offer to be submitted separately should be signed and sealed. No overwriting is permissible and such document having correction is liable to be rejected. However, cutting will be permissible on attestation by the authorized person.
25. 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. 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.

26. 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.
27. 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.**
28. **Forfeiture of the EMD:** 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 Performance Guarantee/Security Deposit for faithful Performance of the contract within the stipulated time, the amount of EMD shall be forfeited to BBICI.
29. Those vendors 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.

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

- a) EMD of the successful tenderer shall be refunded after the receipt of installation certificate and 10% Performance Bank Guarantee.
- 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.
30. If the tenderer is not capable of quoting particular item Tenderer should clearly mention in the Technical bid in the compliance report. For the cases where the compliance report the tenderer not mentioned anything then management shall presume that it is inclusive of the cost quoted by the tenderer.

## PART-I

### TECHNICAL BID

1. Tenderer name, address of headquarters, telephone number, fax number, and website
2. Tenderer contact name and title, address, telephone number, fax number, e-mail address and resume/CV
3. List of tenderer senior management and directors with brief resumes
4. Does the tenderer qualify as a diverse business? If yes, include a copy of relevant certification.
5. How many years has the firm, in its present form, been in business?
6. Describe tenderer's form of corporate organization and corporate governance with supporting documents. List and briefly describe lines of business.
7. (i) How many employees does the firm employ locally –  
(ii) How many nationally –  
(iii) How many internationally –
8. Describe authorization and signature process within the tenderer for any agreement that might result from this RFP. Identify the personnel authorized to sign contracts for the firm.
9. Provide audited financial statements for the past three (3) years and most current interim statements with any recommendations made by external auditors and discussion of any significant subsequent events or changes since the interim statement.
10. The bid should include the following:
  - Copy of PAN No.,
  - Copy of GST No.,
  - Income Tax Returns for last three years.
  - Latest Letter of Authority from the 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***
  - ***Certificate of country of origin of the goods and services offered, to be confirmed by a certificate of origin at the time of shipment.***
11. ***Technical compliance in the enclosed format at Serial No#4***
12. Please identify and describe any significant outstanding or settled legal or non-compliance matters for the previous 5 (five) years, including any penalties levied on the tenderer for defaults of any kind, by courts of law/ regulatory authorities. This is restricted to business involving the tenderer equipment only.
13. Has the company been cited for or does the company have business activities that contribute to the violation of human rights? If yes, describe in detail.

**14. References**

Provide a minimum of four references (preferably hospitals) including client name, address, contact person, phone, contract period, and scope of services provided.

**15. Terms and financing**

Quoted prices must be valid for at least 180 days (extendable by 3 months at the request of purchaser) from the date the RFP responses are due.

**16. Quality**

Service and quality are extremely important to the success of BBCI. Describe how the tenderer will monitor the service and quality of products and services provided.

**17. Network (if any)** – 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.

18. In case the offer is submitted by an Indian Agent on behalf of foreign principal, the following documents should be submitted failing which their offer is liable to be ignored:

- a) Photocopy of agency agreement between foreign principals and Indian agent showing the percentage or quantum of agency commission and a letter of authority authorizing them to submit tender on their behalf.
- b) The type and nature of after sales service to be rendered by the Indian Agent.

19. The bidders having their warehouses/service center and facilitation center nearby will be desirable and advantageous for attending the calls to reduce the down-time.

**20. At the time of opening of Part –I Technical Bid if a tenderer has included price or any other charges in Part –I or has failed to submit Part-II separately in a sealed envelope, such tenders will be disqualified. The tender opening officer shall make a clear mention regarding the above aspects on the front page of the tender.**

## **PART - II**

### **COMMERCIAL BID**

1. 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 (xiv) of General Financial Rules 2005 vide DAE letter No. 1/5(3)/2012-Budget/ 2483 dated February 20, 2014).**
2. The detailed price of the equipment should be quoted in **Part II** of the tender in separate envelope in the prescribed proforma i.e. **Serial # 11 (A,B,C,D,E,F,G)**
3. The quoted rate should be **FOR: Destination i.e. Dr B Borooah Cancer Institute, Guwahati, Assam**
4. Any request for rate revision till currency of contract shall not be considered.
5. The currency of all quoted rates shall be in Indian Rupees. All payment shall be made in Indian Rupees.
6. The price Bid shall contain price for supply at Dr B Borooah Cancer Institute, Gopinath Nagar, A K Azad Road, Guwahati-781016, Assam along with mentioning complete breakup i.e. Basic Price, applicable GST along with HSN Code, as per the format at **Serial # 11 (A,B,C,D,E,F,G)** (Price Bid)  
  
(If zero ‘0’ OR ‘-’ is quoted in GST column; Basic price would be deemed to be including supply & installation (if applicable) and GST.
7. **The total CMC rates, offered shall be considered while tabulating and comparing prices for deciding the lowest qualified bidder.**
8. **In case if the respective columns / row of CMC are left blank in the prescribed price bid format it shall be considered as zero.**
9. Tender Inviting Authority reserves the right to place order with CMC or without CMC.
10. It shall be responsibility of the tenderer to arrange for customs clearance and delivery of equipment at his own cost, risk and consequences (if applicable). However, at the time of clearance, online custom duty will be paid by BBICI. The vendor has to confirm the custom duty amount in time.
11. **Validity :** The tender shall be valid for a period of **180 days** from the date of the opening of the technical bid. Validity of the tender shall be extended if required.

12. **Terms of Payment** : 100% payment within 60 days will be released after the successful supply, installation & acceptance by user department at Dr B Borooah Cancer Institute on submission of Performance Bank Guarantee @ 10% of purchase order value from a nationalized bank for 27 months.

**For payment, supplier should submit the following documents**

- a) **Three copies of Invoice**
- b) **Packing list / delivery challan**
- c) **Installation Report**
- d) **Any other documents, if required.**

**GST (Goods & Service Tax):**

- GST rates applicable on your quoted item may please be informed
  - In the event of increase / decrease in GST, detailed justification and supporting evidence may be submitted for our consideration
  - HSN Code for relevant item should be clearly mentioned.
13. **Warranty** : The materials offered shall be guaranteed / warranted for satisfactory performance for a period of 02 years from the date of supply & acceptance OR installation, whichever is later, against manufacturing defects, bad workmanship, faulty materials, etc.
- **Warranty / guarantee period and terms of guarantee / warranty including accessories, details of preventive / periodic maintenance, frequency and task description must be specified.** Vendors are required to provide 2 years warranty from the date of supply & acceptance OR installation & commissioning, whichever is later or item / product / equipment, tenders not confirming to this clause are liable to be rejected.
  - **Spares** : If required for any of the item, essential spares 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 if CAMC is applicable prices should be frozen for the next 08 years.
  - **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.

**14. CMC (Comprehensive Maintenance Contract)**

- Bidder shall also quoted CMC rates (exclusive of GST / Tax) for respective items for a period of 08 years on yearly basis after warranty period of 02 years. The rates of CMC for the prescribed period to be shown separately in price bid.
- The total CMC rates, offered shall be considered while tabulating and comparing prices for deciding the lowest qualified bidder
- In case if the respective columns / row of CMC are left blank in the prescribed price bid format it shall be considered as zero.
- Tender Inviting Authority reserves the right to place order with CMC or without CMC.

**15. Uptime Guarantee:**

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 300 days out of a period of 365 days a year (i.e. 95% uptime) 24X7. The ten hours non-functioning of the equipment or any part thereof will be considered as one day down time. Total 3000 hours in a year will be considered as Uptime guarantee. Working time is 8.00 a.m. to 6.00 p.m. on week days and 8.00 a.m. to 4.00 p.m. for Saturdays. The equipment shall be fully functional as part of the uptime and if it is partly functional it shall be considered as downtime and deduction shall be made on Pro-rata basis i.e. if the equipment is 70% functional 30% downtime shall be applicable. The decision of the BBCI management or its representative in determining the % of the downtime shall be final and binding. Essential period to shut down the installation entirely or partially shall also be included in the down time while calculating the 95% guaranteed uptime i.e. all features as per specifications in purchase order should be functional for uptime. The supplier / agent shall be required to pay a penalty for every day 0.1% of the total cost of the equipment per day per machine excluding 150 hours permissible downtime. This rate shall increase commensurate with the rate increase of CMC. 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 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. Preventive maintenance to be done on holidays only. Preventive maintenance and breakdown will not be clubbed. The bills should be raised quarterly and will be paid at the end of every quarter only.

**16. Spares parts (Applicable for AMC ):**

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.

**17. 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 2 years warranty and **8 years** thereafter.
- c) Consumables not covered under CMC shall be listed separately and prices either in INR or foreign currency shall be indicated during the period of CMC.

18. **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.

19. The amount / rate of taxes as may be levied should be indicated separately in the commercial offer.

20. 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.

## **Special General terms and conditions :**

Please refer page **serial # 10** regarding conditions to identify the lowest tenderer.

1. Network (**if any**) – 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.
2. **Please quote all the models including state of the art. Bidder not quoting their high end model shall be rejected.**
3. BBCI reserves the right to purchase all OR any of the quantities tendered.
4. Delivery site:  
**1) DR. BHUBANESWAR BOROOAH CANCER INSTITUTE, A. K. AZAD ROAD, GOPINATH NAGAR, GUWAHATI-781016**
5. Conditional & incomplete offers will not be accepted.
6. Offers with conditions / ambiguity shall be liable to be rejected.
7. Rules and regulations of BBCI will be deemed to have been incorporated in this tender and shall form part of the contract.
8. Tenderers having a services centre locally will be preferred.
9. The tenderer /contractor/company should furnish along with tender an affidavit duly notarized on Non judicial stamp paper of Rs.100/- affirming as under:
10. That the firm or any of its Directors/ partner / proprietor / Agent, is never blacklisted/penalized/defaulted/disqualified by any government institution/ Hospital or Court of law or any Regulatory Authority within last 5 years or that no such action is pending or in process within last 5 years. The price quoted is the lowest for the configuration quoted.  
  
Registered company shall furnish CIN No. as well as DINs of Director, and shall update the information from time to time. Director's office and permanent residential address shall be furnished.  
  
N.B. The affidavit must be as per the details mentioned above. Any change in the text matter is not accepted and BBCI reserves the right to reject such offers.
11. Tenders / offers with conditions like discount / rebate / waiving off some charges etc. Subject to some condition will not be considered.
12. **At the time of opening of Part –I if a tenderer has included price or any other charges in Part –I or has failed to submit hardcopy / print copy of Part- I (Technical Bid) in a sealed envelope, such tenders are liable to be disqualified. The tender opening officer shall make a clear mention regarding the above aspects on the front page of the tender.**

Certified that I have gone through the above stated general as well as special terms and conditions of the tender and taken note of them for compliance in toto.

**Signature**

Date :

**Name of authorized person for bidder with seal**



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

**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 / equipment's 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 Comprehensive 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**

Date :

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

**UNDERTAKING**

To,

The Director,

1. I, the under signatory hereby undertake 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**

Date :

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

**Schedule of disclosure of existing customers to whom supply of similar 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**

Date :

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

**CERTIFICATE**

This is to certify that the price bid contains only Form No. **Serial # 11-A, Serial # 11-B, Serial # 11-C, Serial # 11-D, Serial # 11-E, Serial # 11-F, Serial # 11-G.** And there are no other values and conditions attached.

**Signature**

**Name of authorized person for bidder with seal**

Date :

**COMMERCIAL OFFER / PRICE BID (terms for arriving at Lowest commercial bid)**

**Name of the equipment : "Dosimetry Items – Medical Physics Equipment".**

**Total cost of equipment for a period of Ten years.**

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

**10.1.2 The total cost of equipment shall be calculated as under:**

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 of the day when the financial bids are opened will be considered) + applicable taxes, duties, govt. levies as imposed from time to time + clearance charges + 2 years warranty + 8 years CMC – Buyback offer (if any).
- For INR quote FOR Destination basis which shall be inclusive of applicable taxes, duties, govt. levies etc. without octroi will be considered + 2 years warranty + 8 years CMC – Buyback offer (if any).
- **Total cost shall mean and include all taxes, duties and levies by Government for total qty. 1 No.**

10.1.3 If the CMC values are not mentioned, then offer will be disqualified.

10.1.4 Tenderers are strictly advised to submit price bid in the enclosed prescribed format.

10.1.5 Prices / discounts offered by the vendors must be unconditional and without ambiguity.

**10.1.6 Special General terms and conditions:**

**10.1.7 Please quote all the models including state of the art. Bidder not quoting their high end model is liable to be rejected.**

10.1.8 BBCI reserves the right to purchase all OR any of the quantities tendered.

10.1.9 Conditional & incomplete offers will not be accepted.

10.1.10 Rules and regulations of BBCI will be the part of contract.

**COMMERCIAL OFFER / PRICE BID FORMAT – PART II****(A) Name of the equipment : “PATIENT TRANSFER TROLLEY (HEIGHT ADJUSTABLE) IN OT”**\*The details of the price of the equipment should be quoted in Part-II of the tender in a **separate sealed envelope**.

Sl. No.	Items Description / Specification	HSN Code	Quantity	Unit Rate (Basic Price) (INR)	GST % & GST Value (INR)	Total Unit price (INR)
1	Patient Transfer Trolley (Height adjustable) in OT Warranty 02 years + AMC / CAMC for 08 years		<b>04 nos.</b>			
1.1	CAMC charges for Patient Transfer Trolley (after warranty period)					
1.2	AMC charges for Patient Transfer Trolley (after warranty period)					
A	Yearly amount to be mentioned for AMC					
B	Yearly amount to be mentioned for CAMC					

**Note :**

- The quoted rate should be **FOR: Destination i.e. Dr B Borooah Cancer Institute, Guwahati, Assam**
- Any request for rate revision till currency of contract shall not be considered.
- The currency of all quoted rates shall be in Indian Rupees. All payment shall be made in Indian Rupees.
- The price Bid shall contain price for supply at Dr B Borooah Cancer Institute, Gopinath Nagar, A K Azad Road, Guwahati-781016, Assam along with mentioning complete breakup i.e. Basic Price, applicable GST along with HSN Code, as per the format at **Serial # 11-A (Price Bid)** (If zero '0' OR '-' is quoted in GST column; Basic price would be deemed to be including supply & installation (if applicable) and GST.
- The total CMC rates, offered shall be considered while tabulating and comparing prices for deciding the lowest qualified bidder.**
- In case if the respective columns / row of CMC are left blank in the prescribed price bid format it shall be considered as zero.**
- Tender Inviting Authority reserves the right to place order with CMC or without CMC.

Signature of the Bidder with Seal

**COMMERCIAL OFFER / PRICE BID FORMAT – PART II****(A) Name of the equipment : “ANAESTHESIA MACHINE (LOW-END) FOR BRACHYTHERAPY OT”**

\*The details of the price of the equipment should be quoted in Part-II of the tender in a **separate sealed envelope**.

Sl. No.	Items Description / Specification	HSN Code	Quantity	Unit Rate (Basic Price) (INR)	GST % & GST Value (INR)	Total Unit price (INR)
1	Anaesthesia Machine (low-end) for Brachytherapy Warranty 02 years + AMC / CAMC for 08 years		<b>01 no.</b>			
1.1	CAMC charges for Patient Transfer Trolley (after warranty period)					
1.2	AMC charges for Patient Transfer Trolley (after warranty period)					
A	Yearly amount to be mentioned for AMC					
B	Yearly amount to be mentioned for CAMC					

**Note :**

- The quoted rate should be **FOR: Destination i.e. Dr B Borooah Cancer Institute, Guwahati, Assam**
- Any request for rate revision till currency of contract shall not be considered.
- The currency of all quoted rates shall be in Indian Rupees. All payment shall be made in Indian Rupees.
- The price Bid shall contain price for supply at Dr B Borooah Cancer Institute, Gopinath Nagar, A K Azad Road, Guwahati-781016, Assam along with mentioning complete breakup i.e. Basic Price, applicable GST along with HSN Code, as per the format at **Serial # 11-B (Price Bid)** (If zero '0' OR '-' is quoted in GST column; Basic price would be deemed to be including supply & installation (if applicable) and GST.
- The total CMC rates, offered shall be considered while tabulating and comparing prices for deciding the lowest qualified bidder.**
- In case if the respective columns / row of CMC are left blank in the prescribed price bid format it shall be considered as zero.**
- Tender Inviting Authority reserves the right to place order with CMC or without CMC.

**Signature of the Bidder with Seal**

**COMMERCIAL OFFER / PRICE BID FORMAT – PART II****(A) Name of the equipment : “OT TABLE (GENERAL SURGICAL)”**

\*The details of the price of the equipment should be quoted in Part-II of the tender in a **separate sealed envelope**.

Sl. No.	Items Description / Specification	HSN Code	Quantity	Unit Rate (Basic Price) (INR)	GST % & GST Value (INR)	Total Unit price (INR)
1	OT Table (General Surgical) Warranty 02 years + AMC / CAMC for 08 years		<b>02 nos.</b>			
1.1	CAMC charges for Patient Transfer Trolley (after warranty period)					
1.2	AMC charges for Patient Transfer Trolley (after warranty period)					
A	Yearly amount to be mentioned for AMC					
B	Yearly amount to be mentioned for CAMC					

**Note :**

- a) The quoted rate should be **FOR: Destination i.e. Dr B Borooah Cancer Institute, Guwahati, Assam**
- b) Any request for rate revision till currency of contract shall not be considered.
- c) The currency of all quoted rates shall be in Indian Rupees. All payment shall be made in Indian Rupees.
- d) The price Bid shall contain price for supply at Dr B Borooah Cancer Institute, Gopinath Nagar, A K Azad Road, Guwahati-781016, Assam along with mentioning complete breakup i.e. Basic Price, applicable GST along with HSN Code, as per the format at **Serial # 11-C** (Price Bid) (If zero '0' OR '-' is quoted in GST column; Basic price would be deemed to be including supply & installation (if applicable) and GST.
- e) **The total CMC rates, offered shall be considered while tabulating and comparing prices for deciding the lowest qualified bidder.**
- f) **In case if the respective columns / row of CMC are left blank in the prescribed price bid format it shall be considered as zero.**
- g) Tender Inviting Authority reserves the right to place order with CMC or without CMC.

**Signature of the Bidder with Seal**



**COMMERCIAL OFFER / PRICE BID FORMAT – PART II****(A) Name of the equipment : “SYRINGE PUMP FOR ICU, OT & DAY CARE CHEMOTHERAPY”**\*The details of the price of the equipment should be quoted in Part-II of the tender in a **separate sealed envelope**.

Sl. No.	Items Description / Specification	HSN Code	Quantity	Unit Rate (Basic Price) (INR)	GST % & GST Value (INR)	Total Unit price (INR)
1	Syringe Pump for ICU, OT & Day Care Chemotherapy Warranty 02 years + AMC / CAMC for 08 years		<b>09 nos.</b>			
1.1	CAMC charges for Patient Transfer Trolley (after warranty period)					
1.2	AMC charges for Patient Transfer Trolley (after warranty period)					
A	Yearly amount to be mentioned for AMC					
B	Yearly amount to be mentioned for CAMC					

**Note :**

- The quoted rate should be **FOR: Destination i.e. Dr B Borooah Cancer Institute, Guwahati, Assam**
- Any request for rate revision till currency of contract shall not be considered.
- The currency of all quoted rates shall be in Indian Rupees. All payment shall be made in Indian Rupees.
- The price Bid shall contain price for supply at Dr B Borooah Cancer Institute, Gopinath Nagar, A K Azad Road, Guwahati-781016, Assam along with mentioning complete breakup i.e. Basic Price, applicable GST along with HSN Code, as per the format at **Serial # 11-D (Price Bid)** (If zero '0' OR '-' is quoted in GST column; Basic price would be deemed to be including supply & installation (if applicable) and GST.
- The total CMC rates, offered shall be considered while tabulating and comparing prices for deciding the lowest qualified bidder.**
- In case if the respective columns / row of CMC are left blank in the prescribed price bid format it shall be considered as zero.**
- Tender Inviting Authority reserves the right to place order with CMC or without CMC.

Signature of the Bidder with Seal

**COMMERCIAL OFFER / PRICE BID FORMAT – PART II****(A) Name of the equipment : “INFUSION PUMP FOR ICU, OT & DAY CARE CHEMOTHERAPY”**\*The details of the price of the equipment should be quoted in Part-II of the tender in a **separate sealed envelope**.

Sl. No.	Items Description / Specification	HSN Code	Quantity	Unit Rate (Basic Price) (INR)	GST % & GST Value (INR)	Total Unit price (INR)
1	Infusion Pump for ICU, OT & Day Care Chemotherapy Warranty 02 years + AMC / CAMC for 08 years		<b>10 nos.</b>			
1.1	CAMC charges for Patient Transfer Trolley (after warranty period)					
1.2	AMC charges for Patient Transfer Trolley (after warranty period)					
A	Yearly amount to be mentioned for AMC					
B	Yearly amount to be mentioned for CAMC					

**Note :**

- The quoted rate should be **FOR: Destination i.e. Dr B Borooah Cancer Institute, Guwahati, Assam**
- Any request for rate revision till currency of contract shall not be considered.
- The currency of all quoted rates shall be in Indian Rupees. All payment shall be made in Indian Rupees.
- The price Bid shall contain price for supply at Dr B Borooah Cancer Institute, Gopinath Nagar, A K Azad Road, Guwahati-781016, Assam along with mentioning complete breakup i.e. Basic Price, applicable GST along with HSN Code, as per the format at **Serial # 11-E (Price Bid)** (If zero '0' OR '-' is quoted in GST column; Basic price would be deemed to be including supply & installation (if applicable) and GST.
- The total CMC rates, offered shall be considered while tabulating and comparing prices for deciding the lowest qualified bidder.**
- In case if the respective columns / row of CMC are left blank in the prescribed price bid format it shall be considered as zero.**
- Tender Inviting Authority reserves the right to place order with CMC or without CMC.

Signature of the Bidder with Seal

**COMMERCIAL OFFER / PRICE BID FORMAT – PART II****(A) Name of the equipment : “ICU BED for Immediate Post-Operative Recovery Ward”**\*The details of the price of the equipment should be quoted in Part-II of the tender in a **separate sealed envelope**.

Sl. No.	Items Description / Specification	HSN Code	Quantity	Unit Rate (Basic Price) (INR)	GST % & GST Value (INR)	Total Unit price (INR)
1	ICU Bed for Immediate Post-Operative Recovery Ward. Warranty 02 years + AMC / CAMC for 08 years		<b>06 nos.</b>			
1.1	CAMC charges for Patient Transfer Trolley (after warranty period)					
1.2	AMC charges for Patient Transfer Trolley (after warranty period)					
A	Yearly amount to be mentioned for AMC					
B	Yearly amount to be mentioned for CAMC					

**Note :**

- The quoted rate should be **FOR: Destination i.e. Dr B Borooah Cancer Institute, Guwahati, Assam**
- Any request for rate revision till currency of contract shall not be considered.
- The currency of all quoted rates shall be in Indian Rupees. All payment shall be made in Indian Rupees.
- The price Bid shall contain price for supply at Dr B Borooah Cancer Institute, Gopinath Nagar, A K Azad Road, Guwahati-781016, Assam along with mentioning complete breakup i.e. Basic Price, applicable GST along with HSN Code, as per the format at **Serial # 11-F** (Price Bid) (If zero '0' OR '-' is quoted in GST column; Basic price would be deemed to be including supply & installation (if applicable) and GST.
- The total CMC rates, offered shall be considered while tabulating and comparing prices for deciding the lowest qualified bidder.**
- In case if the respective columns / row of CMC are left blank in the prescribed price bid format it shall be considered as zero.**
- Tender Inviting Authority reserves the right to place order with CMC or without CMC.

Signature of the Bidder with Seal

**COMMERCIAL OFFER / PRICE BID FORMAT – PART II****(A) Name of the equipment : “Defibrillator”**

\*The details of the price of the equipment should be quoted in Part-II of the tender in a **separate sealed envelope**.

Sl. No.	Items Description / Specification	HSN Code	Quantity	Unit Rate (Basic Price) (INR)	GST % & GST Value (INR)	Total Unit price (INR)
1	Defibrillator Warranty 02 years + AMC / CAMC for 08 years		<b>01 no.</b>			
1.1	CAMC charges for Patient Transfer Trolley (after warranty period)					
1.2	AMC charges for Patient Transfer Trolley (after warranty period)					
A	Yearly amount to be mentioned for AMC					
B	Yearly amount to be mentioned for CAMC					

**Note :**

- a) The quoted rate should be **FOR: Destination i.e. Dr B Borooah Cancer Institute, Guwahati, Assam**
- b) Any request for rate revision till currency of contract shall not be considered.
- c) The currency of all quoted rates shall be in Indian Rupees. All payment shall be made in Indian Rupees.
- d) The price Bid shall contain price for supply at Dr B Borooah Cancer Institute, Gopinath Nagar, A K Azad Road, Guwahati-781016, Assam along with mentioning complete breakup i.e. Basic Price, applicable GST along with HSN Code, as per the format at **Serial # 11-G (Price Bid)** (If zero '0' OR '-' is quoted in GST column; Basic price would be deemed to be including supply & installation (if applicable) and GST.
- e) **The total CMC rates, offered shall be considered while tabulating and comparing prices for deciding the lowest qualified bidder.**
- f) **In case if the respective columns / row of CMC are left blank in the prescribed price bid format it shall be considered as zero.**
- g) Tender Inviting Authority reserves the right to place order with CMC or without CMC.

**Signature of the Bidder with Seal**

## Schedule – I

### Technical Specification for supply and installation of “OT, ICU and Day Care Chemotherapy Equipment”

Please quote the standard warranty and AMC prices up to 10 years from the date of installation after warranty

#### **[A] Patient Transfer Trolley (height adjustable) in Operation Theatre**

Patient Transfer Trolley:

1. Overall dimensions:  
length 1900 mm \* width 715 mm  
Stretcher size approximately length 1800 mm \* Width 550 mm
2. Top should be of two sections.
3. Should have height adjustable by foot operated Hydraulic pump.  
Minimum height 660 mm and maximum height 900 mm
4. Back rest raised mechanically.
5. Should be capable of Trendelenburg positioning
6. Lockable high grade Synthetic twin wheel castors for easy mobility
7. Should have corner round shape buffers.
8. Should have an oxygen cylinder holder.
9. Should have telescopes IV pole made up of Stainless steel.
10. Should have swing-away side rails made up of Stainless steel.
11. The body of the Transfer Trolley should be pretreated and of powder coated paint for long lasting.
12. Should have 35 mm thick PU mattress of High density foam.
13. Should meet medical safety and performance standards.
14. **Warranty:** 2 years on equipment from the date of installation along with all accessories.  
CMC/AMC for 8 years after completion of warranty period of 2 years.

**[B] Anaesthesia machine (Low end) for Brachytherapy OT**

Compact three gas Anaesthesia workstation with an integrated Ventilator for infants/pediatric to adult patients, Airway Monitor and Anaesthesia Monitor with a single power switch for the Workstation.

**Technical Details:**

1. Anaesthesia machine constructed from welded tubular / epoxy powder painted steel.
2. Stainless steel top and at least 2 lockable drawers and electrical outlet to be provided.
3. Should have a large caster wheel with foot brake.
4. The system should have an inbuilt at least 90 minutes battery backup for anaesthesia machine, ventilator, multipara monitor and Gas delivery system.
5. The anesthesia system should have an integrated passive scavenging system with a pressure relief valve.
6. In case of electricity and battery failure, manual ventilation, gas and agent delivery should be possible.
7. Gas Delivery System:
  - a) Should have pin index yokes for Oxygen & Nitrous Oxide besides separate connection for central gas supply for oxygen, Nitrous Oxide and Air.
  - b) The machine should have separate colour coded pressure gauges for cylinders & central supply lines mounted in front of Anaesthesia machine for better visibility.
  - c) The gas connection should be non-interchangeable.
  - d) Having reservoir based audible and visual oxygen failure alarm of at least 7 seconds.
  - e) Dual cascaded flow meter for oxygen, nitrous oxide and single for compressed air, accurately calibrated with an accuracy of + 2.5 % and range of at least 10 ltr./min.
  - f) Emergency oxygen flow of at least 35-70 ltr / min with non lockable push button to be provided.
  - g) Having mechanical hypoxic guard with automatic cutoff of N<sub>2</sub>O. There should be Oxygen flow of at least 200 ml, even below total 500 ml fresh gas flow with 23% oxygen concentration.
  - h) Oxygen flush at 30-70 L/min bypassing the vaporizer

8. Flow Meter: a. Dual cascade type flow meter tubes for Oxygen & N<sub>2</sub>O, single tube for Air.

Vaporizer

- a) Machine should have the possibility to mount two quick mount type vaporizers for easy interchangeability.
- b) The Vaporizer design should be maintenance free and should not require calibration for life time.
- c) Vaporiser should have a delivery range of 0 to 6 volume %.
- d) Having latest vaporizers for sevoflurane and Isoflurane; all should be temperature, pressure and flow compensated, with key filling arrangement and should be quick and mountable.
- e) Agent Capacity should be a minimum 225 ml of free volatile anesthetic agent.
- f) All sensor connection shall be internal to help prevent disconnection

**9. Breathing System:**

- a) Should have fresh gas de-coupled, Fully autoclavable semi closed circle absorber system
- b) Should have adjustable pressure relief valve from 5 to 75 mbar
- c) Should have change over from Spontaneous to Bag ventilation with a single step.
- d) The work station should be supplied with at least 2 sets of closed circuit, system for adult and pediatric patients each.
- e) Should have an external fresh gas outlet for connecting Magill/ Bain's / Pediatric circuits.
- f) There should not be any collection of condensed water in the breathing circuit.
- g) Should be integrally fitted with at least 1.5 litre capacity reversible canisters, double chamber type of CO<sub>2</sub> absorber system having provision to bypass.
- i) The firm should regularly supply CO<sub>2</sub> absorbent soda lime for the closed circuit system.

**10. Anesthesia Ventilator:**

- a) Electronically controlled Pneumatically/ Electrically driven integrated anesthesia Ventilator, should not require change of bellows for adults and infants with integrated PEEP.
- b) Ventilator should automatically compensate for fresh gas by adjusting fresh gas flows for changes in fresh gas flow, small system leak changing lung compliance or compression losses.
- c) Facility to change I:E Ratio should be provided.

- d) Alarming setting should be available for low and high and tidal volume, minute volume airway pressure and apnea.
- e) Modes: Volume controlled, Pressure Controlled, Pressure Support /SIMV PS/ Manual/ Spontaneous.
- f) Tidal Volume: 20-1400 ml
- g) PEEP:0-20 mbar
- h) Breathing Frequency:up to 60 BPM
- i) I E Ratio: 4:1 to 1:4
- j) Inspiratory pause: 0-50% of Ti.
- k) Frequency 1 to 60 1/min : E=2:1 to 1:3

### 11. Airway Monitor:

- a) Monitor should be a multi-parameter module with a minimum 15 inches colour TFT display with 8 channels.
- b) The monitor should not require any lengthy start-up procedure or calibration. It should be ready to monitor as soon as the on / off switch is pressed.
- c) Should have 24 hours graphical and numerical trend with split screen facility of all parameters with at least 15 critical alarms summary.
- d) Should be able to monitor and display all parameters in a single screen.
- e) **Integrated monitor for electronic monitoring and display:** Expiratory Tidal Volume, Expiratory Minute Volume, PEEP, Peak & Mean and Plateau airway pressure, Frequency, Waveform display for Airway pressure, FiO<sub>2</sub> Monitoring.

12. Alarm Limits & Alarms Adjustable high/low limits with audio and visual alarms for: Tidal Volume, Minute Volume, Airway Pressure (including stenosis and disconnect), Insp Oxygen concentration, Audio power supply fail alarm, Fail to cycle warning(apnoea).

**13. Patient Monitor:** This should be integrated, Screen size: Minimum 10 inch or more, it should be modular for easy up gradation, should be capable of monitoring the following parameters.

- a) **ECG:**Leads 3 to 5, Provision for 12 lead ECG along with print out facility, Protection from the interference of electrosurgical apparatus, Waveform-ECG or SpO<sub>2</sub>selectable, Arrhythmia Detection, Heart rate detection from ECG/Pulse Auto change.
- b) **SpO<sub>2</sub>:** Range: from 0 to 100% (accuracy:  $\pm 2\%$ ), Sensitivity should be good, waveform: ECG or SpO<sub>2</sub> selectable/Auto change, Should be supplied with proper probes (10each)for neonatal, Pediatric and adult patients.
- c) **NIBP:**Range: neonate/pediatric to adult, Modes: Auto/Manual Numeric display: Systolic, Diastolic, Mean.
- d) **ETCO<sub>2</sub>:**Capnographs should be available with a patient monitor and mandatory accessories should be supplied as standard.



**System Configuration Accessories, spares and consumables: -**

Should be supplied with the following Standard Accessories.

- a. 5 Lead ECG cable with cords- 02 Nos.
- b. SPO2 finger probe for Adult, Paediatric and neonatal application. – Should be supplied with proper probes (10 each)for neonatal, Pediatric and adult patients.
- c. NIBP cuff for conventional Adult, extra-large for adult,Paediatric and neonatal application – Should be supplied with proper size 5 cuffseach for Neonatal, Pediatric, Adults (Arm and Thigh Cuffs) and Extra Large for obese patients.
- d. Vaporizers: Isoflurane (1 nos.) ; Sevoflurane - 1 nos.
- e. Capnography Sensor - 1 No.

14. Both Anaesthesia delivery system & multipara monitor must be US FDA approved or European CE Marked (Should be from notified body).The quoted model of Anaesthesia Workstation should conform to CE standards, EN 60601-2-13 (Requirement for safety and essential performance of anesthesia system) and US-FDA approved.

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

16. a) The unit shall be capable of being stored continuously in ambient temperature of 0 - 50-degree C and relative humidity of 15-90%

b) The unit shall be capable of operating continuously in ambient temperature of 10 - 40-degree C and relative humidity of 15-90%

17. **Power input:** 220-240V/ 50 Hz AC Single phase fitted with appropriate Indian plugs and sockets.Power cord should be minimum 5 mtrs. long

Power Backup: Anesthesia machine and Patient monitor should have inbuilt maintenance free battery pack with minimum back-up of 90 minutes.

**18. Documentation:**

a). Operating and detailed service manual should be supplied at the time of installation.

b) Rates of consumables & accessories should be listed.

c) Certificate of calibration and inspection from the factory.

d) 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.

f) The manufacturer should have their own service center in India and local Service facility in Assam.

## **[C] OT Table (General Surgical)**

- 1) The OT Table top and Padding should be of radiolucent material X-ray access for fluoroscopy with C-Arm.
- 2) Five section table top including head plate, back plate, kidney bridge, seat-plate and two section leg plates and should have foam padding for outstanding positioning comfort and highest patient safety.
- 3) Load capacity should be not less than 200 kg.
- 4) Tables should have facilities to operate smooth and quiet movements like high, low, Lateral right / left tilt, Trendelenburg & reverse Trendelenburg movement, flex & reflex position and these movements should be actuated by electro-hydraulic or electromechanical (stepper controlled) system & operate through hand control.
- 5) The OT table should function with maintenance-free batteries and the batteries should work for a minimum 1 week or 25-35 surgical cases with one complete charge. Specify the battery details in technical bid.
- 6) The OT table should have battery support with Alarm / indicator, to ensure functionality without any interruption in case of power failure.
- 7) All metal components of the table should be made of corrosion resistant alloy or stainless steel (SS304 grade).
- 8) Mechanical Caster brake systems should be available for optimum stability.
- 9) The Head and Foot section should be removable and interchangeable.
- 10) Detachable & split leg plate for lithotomy position
- 11) OT table should be eccentrically mounted so that the C-arm can be moved uninterrupted for 2/3<sup>rd</sup> length of the bed from anyone end of the bed.
- 12) OT table should have stainless steel accessory rails on both sides of the table to hold accessories.

### **Technical Specifications:**

- 13) Length of the table top 1910 mm or better.
- 14) Width of the table with rails 550 mm or better.

### **Functions through remote:**

- 15) The highest position with pad  $\geq 1030$  mm.
- 16) The lowest position with pad  $\leq 700$  mm.
- 17) Lateral Tilt on either side  $\geq 20$  degree
- 18) Trendelenburg position  $\geq 20$  degree
- 19) Reverse Trendelenburg position  $\geq 20$  degree
- 20) Backplate up position  $\geq 80$  degree
- 21) Backplate down position  $\geq 40$  degree

**Manual Functions:**

- 22) Head plate up  $\geq 45$  degree
- 23) Head plate down  $\leq 90$  degree
- 24) Kidney Bridge  $\geq 120$  mm (if present)
- 25) Leg plate Up  $\geq 20$  degree
- 26) Leg plate down  $\geq 90$  degree

**27) OT table should be supplied with following as standard accessories:**

- i) Padded Arm-rest with Strap & clamp – 2 sets.
- ii) Knee crunch/support for lithotomy position - 1 set.
- iii) Patient body strap / belt - 1 No.
- iv) Corded Hand control remote - 1 No.
- v) Lateral support - 1 No.

28) **Power Supply:** Should work with Voltage 220-240V AC, 50Hz. Should provide power cord with 3 point Indian-type male plug. Fuse should be available for electrical safety.

29) OT table should be European CE or US-FDA / BIS, ISO certified.

**Documentation:**

30) Operating and detailed service manual should be supplied at the time of installation.

31) Rates of consumables & accessories should be listed.

32) Certificate of calibration and inspection from the factory.

33) 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 the compliance sheet as per technical specifications.

34) The manufacturer should have their own service center in India and local Service facility in Assam.

35) **Warranty:** 2 years on equipment from the date of installation along with all accessories. CMC/AMC for 8 years after completion of warranty period of 8 years. Post warranty service should be affirmed by the Principal / manufacturer.

## **[D]      Syringe Pump for ICU, OT & Day Care Chemotherapy**

1. The syringe pump should be programmable, user friendly, safe to use and should have a battery back up and comprehensive alarm system.
2. Flow rate programmable from 0.1 to 999 ml/hr. or more in steps of 0.1 ml/hr. with user selectable flow set rate option. SAVE last infusion rate even when the AC power is switched OFF.
3. Bolus rate should be programmable to 1-1800 ml/h. or more with infused volume display. Reminder audio after every 0.5 ml delivered bolus. SAVE last Bolus rate even when the AC power is switched OFF.
4. Automatic calculation of bolus rate after the input of the bolus volume-and time.
  - Bolus in mg, µg, IE, mmol, mEq und optionally weight-based (Dosage Unit/kg) as well as in ml; additionally automatic calculation of bolus rate after bolus infusion.
5. Display of Drug Name with a provision of memorizing Up to 1500 drugs or more can be utilized in the pump.
6. Drug data in the pump should have:
  - a) Display drug name up to 30 or more characters
  - b) Tall lettering for drug names
  - c) Concentration in dosage units (e.g. xx mg in 50 ml)
  - d)Default value for continuous rate in ml/h and in unit dose
  - e) Assignment of different colors per drug is desirable.
  - f) Visual representation of current dose rate relative to defined safety limits for each specific drug.
7. Keep Vein Open (KVO) must be available 1.0 ml/hr. or set rate if lower than 1.0 ml. Users should have the choice to disable KVO whenever desired.
8. Operational in intravenous, epidural, enteral etc. delivery routes.
9. Selectable Occlusion pressure trigger levels selectable from 300/500/900 mmHg
10. a) Should have a bright LED/LCD display showing infusion parameters.
  - b) For delivery monitoring, run indicators should be on the display.
11. Real-time infusion pressure level permanently visible, with clearly defined limits.
12. Must Work on commonly available ISO/CE/FDA APPROVED/CERTIFIED 20, 50/60 ml Syringes with accuracy of minimum of +/-2% or better.
13. Automatic detection of syringe size & proper fixing. Must provide alarm for wrong loading of syringe such as flanges out of slot; disengaged plunger, unsecured barrel etc.
14. Should have Automatic /Semi-automatic drive to prevent unintentional bolus during syringe changes.
15. Anti-bolus system to reduce pressure on sudden release of occlusion.

16. Should have a comprehensive alarm package including: Occlusion limit exceed alarm, Near end of infusion pre-alarm & alarm, Volume limit pre-alarm & alarm, KVO rate flow, Low battery pre-alarm and alarm, AC power failure, Drive disengaged and preventive maintenance.
17. Should have Key/Function Lock.
18. Should have Standby Mode and Standby time adjustable from 1 min to 24 hours in steps.
19. Should have rechargeable Lithium-Ion Battery having at least 5-6 hour backup for about 5ml/hr. flow rate with 50ml syringes. Larger battery life and indication of residual life will be preferred.
20. Manual pusher with plunger protection guard and vertical stacking features of pumps must be possible with locking mechanisms.
21. **Standards and Safety**
  - 21.1 Should be a US-FDA or European CE approved product.
  - 21.2 Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements
  - 21.3 Manufacturers should be ISO certified for quality standards.
  - 21.4 Certified for meeting IEC60601-2-24: Particular requirements for the safety of infusion pumps and controllers
  - 21.5 Should meet IEC 529 Level 3 (IP3X)(spraying water) for enclosure protection , water ingress.
  - 21.6 Electrical Safety Classification Class I/II, Type CF and Internally powered equipment.
22. The unit shall be capable of storing and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90%.
23. User Manual and service manual in English and need to be submitted along with installation report.
24. Manufacturer should have a local service facility. The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance tests as per guidelines provided in the service/maintenance manual.
25. List of important spare parts and accessories with their part number and costing.
26. Post Installation end user training is must and documented, which need to be submitted along with the installation report.
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. Certificate of calibration and inspection from the factory.
29. **Power Supply**

Power input to be 220-240 V-AC 50 Hz. 3-Pin Top India Style to be provided with power cord.
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.

## **[E] Infusion Pump for ICU, OT & Day Care Chemotherapy**

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 999.9ml
6. Should have a volume infused display from 0 to 999.9ml.
7. Should have volume and drop control.
8. Equipment should fit on the IV stand, should be compact.
9. Equipment should be capable of delivering IV fluid, Blood 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 batteries.
13. Battery backup should be up to 2 hours at 125 ml/h.
14. Pole clamp material should be of metal or hard teflon.
15. Should have a drip sensor.
16. Should have purge function.
17. Overall accuracy of flow should be +/- 2% or better.
18. Should have a bright LED/LCD display showing infusion parameters.
19. Air bubble sensors should be available.
20. Equipment should be capable of preventing free flow and backflow.
21. Should be lightweight, please mention weight.

### **22. Power Supply**

Should work with Power input to be 220-240 V-AC, 50 Hz. 3-Pin Top India Style to be provided with power cord.

23. i) Should have a 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.  
ii) Should be certified for meeting IEC60601-2-24: Particular requirements for the safety of infusion pumps and controllers

- iii) Should meet IEC 529 Level 3 (IP3X) (spraying water) for enclosure protection, water ingress.
  - iv) Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements.
24. The unit shall be capable of storing and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90%.
  25. User Manual and service manual in English and need to be submitted along with installation report.
  26. Should have a local service facility. The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance tests as per guidelines provided in the service/maintenance manual.
  27. List of important spare parts and accessories with their part number and costing.
  28. Post Installation end user training is must and documented, which need to be submitted along with the installation report.
  29. **Warranty:** 2 years on equipment from the date of installation along with all accessories. AMC/ CMC for 8 years after completion of warranty period of 2 years.
  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.

**[F]                    Motorized ICU BED for Immediate Post-Operative Recovery Ward**

1. Bed Size approx. 2150mm (L) x 1050mm (W) x 450mm to 810mm Height (without Mattress).
2. Bed Platform size: 2070mm L x 1000mm W; Mattress Platform size: 1900 mm L x 850 mm W.
3. Five section Polypropylene detachable tops fitted on four section top bed frame with perforated design for easy breathing of the mattress.
4. Five section Polypropylene detachable tops fitted on four section top bed frame with perforated design for easy breathing of the mattress.
5. Back rest and leg rest both shall have detachable mattress guards.
6. 6-a)    Back rest: 0-60 degree inclination of the bed frame.  
6-b)    Knee rest: 0-40 degree inclination of the bed frame.
7. Back rest, knee rest and height adjustment positions operated by electromechanical adjustment through hand set; an additional nurses' control hand set, for operating and locking of above functions and shall have trendelenburg /reverse trendelenburg positions.
8. Simultaneous electromechanical adjustment of backrest and knee rest on both, handset and the additional nurses' hand set.
9. One touch key for converting bed into a high cardiac chair position of up to 17 degree on both hand set and nurses' set.
10. One touch key for flattening of bed at the lowest height for CPR on the nurses' handset.
11. Battery backup with inbuilt battery charger shall be provided, declare Backup time.
12. The handset and nurses' hand set shall have indications for power-on and the battery charge.
13. Manual pull lever on both sides of bed to quickly bring bed to a flat position. (Manual CPR position)
14. All electromechanical actuators need to be compatible with the class of IP54.
15. Backrest and knee rest shall retract as they are individually and simultaneously raised.
16. Bed frame shall be mainly made from 50mm x 25mm x 2mm thick ERW tube with proper support. This frame should be fitted on the base frame mainly made of 60 x 30 x 1.6mm ERW tubes on various supporting links.
17. The base frame shall be mounted on a 125 mm diameter non-rusting twin wheel castor with central & directional locking mechanism.
18. Twin wheel castors with castor housing and wheels made from high grade non floor staining synthetic materials and integrated thread guards. Wheel center having precision ball bearing to run smoothly.
19. The bed shall have polymer moulded head and foot side panels detachable by hand without need of any tool. Four corner rubber buffers.



20. Bed shall have split type swing down railing, 2 on each side (head and middle sections) made from polymer moulded 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 the bed frame.
21. Railing shall avoid any finger and neck entrapments and comply with IEC standards 60601-2-52
22. 31.7mm dia; 18G stainless steel outer covering tube with a knob to mount syringe pump.
23. 23.A) Products should be CE/ISO/BIS approved.
- 23.B) Should have General safety for medical beds IEC 60601-2-52
- 23.C) Should have General safety for medical electrical equipment IEC 60601-1-1
24. The unit shall be capable of storing and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90%.
25. User Manual and service manual in English.
26. Should have a local service facility. The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance tests as per guidelines provided in the service/maintenance manual.
27. List of important spare parts and accessories with their part number.
28. Back plate should be radiolucent and should have an x-ray cassette holder under the backplate of the bed.
29. 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.
30. Warranty: 2 years on equipment from the date of installation along with all accessories. AMC/ CMC for 8 years after completion of warranty period of 2 years.

### **31. Electrical Specifications:**

Nominal 230V AC

Switch Mode power supply operating range 90V to 300V; 47/63 Hz; Max 2A

Electric shock protection: Class 1

Degree of shock protection: Type B

Liquid Ingress Protection: IP54

Rechargeable batteries: 2 x 12 V sealed lead/Acid gel

Duty cycle: 10% (2 min for every 18 min)

Should be burr free and 3-Pin Top Indian style Power-cord.

### **32. Accessories:**

12mm diameter stainless steel SS304 telescopic heavy duty IV rod with 2 hooks with provision to park when not in use.

Urine bag holder – one

Chart holder – one

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

Oxygen cylinder Cage

Optional Accessory: Traction pulley attachment for trauma cases.

### **33. Adjustable Bedside Table**

1. Overall Size of top should be 810 mm x 352 mm W
2. Fitted with a gas spring mechanism shall have a 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.
3. The gas spring shall be housed in aluminum extruded telescopic section for smooth sliding up and down from approx. 760 to 1050 mm
4. 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.
5. Bigger section of the table top should be hinged & could be inclined to raise position options. The front side of the bigger section of the top should be provided with a raised PVC edge to prevent things from slipping off top.
6. Base of the 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.
7. 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.

## **[G]                    Defibrillator**

- 1) It should be a latest technology, advanced Low Energy Biphasic defibrillator monitor with Recorder, within a maximum energy of 360 Joules.
- 2) It should have integrated Automated External Defibrillator (AED). Manual selection maximum upto 360 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 colour LCD at least 8” diagonal for viewing messages and ECG waveform of 5 seconds
- 8) Should have a built in 50 mm 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 cardio-version
- 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 360 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) It should be capable of transferring data to PC through USB flash memory
- 22) System configuration, accessories, spares and consumables:
  - a) Adult external paddles – 01
  - b) Pediatric external paddles – 01 (preferably built-in adult paddles)
  - c) Patient cables – 02
  - d) Complete set of ECG Leads – 02
  - e) ECG Rolls - 5

- 23) The unit shall be capable of stored and operating continuously in ambient temperature of 10 – 50 deg C and relative humidity of 15-90%
- 24) It should be capable of operating on mains power Input of 120-240 V, 50/60 Hz and as well as battery.
- 25) Standards, Safety:
- 25.1 It should meet international safety standards, US-FDA and CE certification
  - 25.2 Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC60601-2-25 Safety of Electrocardiograms
  - 25.3 Drop Test-Withstands 1 meter drop to any edge, corner or surface
  - 25.4 Should conform to international test protocols on exposure to shock forces and to vibration forces. The standard should be documented.
- 26) **Documentation:**
- 26.1 User Manual and service manual in English should be handed at the time of installation.
  - 26.2 Should have local service facility. The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service / maintenance manual.
  - 26.3 List of important spare parts and accessories with their part number and costing.
  - 26.4 Post Installation end user training is must and documented, which need to be submitted along with installation report.
  - 26.5 Certificate of calibration and inspection from factory.
  - 26.6 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.
- 27) **Warranty** : 2 years on equipment from the date of installation along with all accessories. AMC/ CMC for 8 years after completion of warranty period of 2 years.

**Note:**

**Any software or hardware component required for basic functionality of the quoted features (for item A, B, C,D, E, F & G) which may be overlooked in the specification should be supplied by the vendor without any additional cost.**