

**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: [bbcinfo@yahoo.co.in](mailto:bbcinfo@yahoo.co.in)

NIT No. BBCI-TMC/Equip-433/NIT/ 2244 - B / 2021

Date: 13.07.2021

**Tender Documents**

1. Notice for invitation of Tender  
NIT No. : BBCI-TMC/Equip-433/NIT/ 2224-B /2021  
Date of publication : 13/07/2021  
Pre-Bid Meeting : 28/07/2021 (Wednesday) at 10:30 AM  
Last Date of Submission : 13/09/2021 upto 2:00 PM  
Opening of Technical Bid : 13/09/2021 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 (6 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 **qty. 01 No.**  
For getting information on finishes, Layout plan on Autocad, furniture etc. and other details the vendor to contact following officials of BBCI:
  - i) Sr. Medical Physicist cum RSO, BBCI (Mob : 9864071570) (for Technical Clarifications)
  - ii) HoD, Radiation Oncology, BBCI (Mob: 9864035015) (for Technical Clarifications)
  - iii) Sr. Administrative Officer, BBCI (Mob : 8697034302) (for tender or administrative issues)
  - iv) Asst. Executive Engineer, BBCI (Mob : 9864079410) (for Turn Key scope of works)

Vendor to submit BOQ without mentioning price in the technical bid.  
Scope of turnkey works is enclosed as **SCHEDULE-II**.



Senior Administrative Officer  
Dr B Borooah Cancer Institute

**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.

For getting information on finishes, Layout plan on Autocad, furniture etc. and other details the vendor to contact following officials of BBCI, Guwahati:

- i) Sr. Medical Physicist cum RSO, BBCI (Mob : 9864071570) *(for Technical Clarifications)*
- ii) HoD, Radiation Oncology, BBCI (Mob: 9864035015) *(for Technical Clarifications)*
- iii) Sr. Administrative Officer, BBCI (Mob : 8697034302) *(for tender or administrative issues)*
- iv) Asst. Executive Engineer, BBCI (Mob : 9864079410) *(for Turn Key scope of works)*

Vendor to submit BOQ without mentioning price in the technical bid.

Scope of turnkey works is enclosed as **SCHEDULE-II**.

16. 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 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 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. The bidder may contact the following relating to any of the item published in Tender Notice;
  - i) Sr. Medical Physicist cum RSO, BBCI (Mob : 9864071570) *(for Technical Clarifications)*
  - ii) HoD, Radiation Oncology, BBCI (Mob: 9864035015) *(for Technical Clarifications)*
  - iii) Sr. Administrative Officer, BBCI (Mob : 8697034302) *(for tender or administrative issues)*
  - iv) Asst. Executive Engineer, BBCI (Mob : 9864079410) *(for Turn Key scope of works)*
  - v) Store, BBCI at Tel No. 6001029234 *for any other clarification*
26. Any change in policy decision made by the BBCI management before awarding the contract will be binding on the vendor.
27. **Conditional & incomplete offers will not be accepted.**
28. 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)
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	<p>Tel. No. &amp; Mobile No.</p> <p>Fax</p> <p>E-Mail</p>
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. GST 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

**Technical Specification for supply, installation & commissioning of “CONVENTIONAL SIMULATOR”**

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-433/NIT/2244-B/2021 dtd.13/07/2021”** for **“Conventional Simulator”**. The tender should contain the technical bid and the commercial bid which would be received **on or before 13/09/2021** in the **Administrative Department**, BBCI, at Guwahati-781016 **up to 2:00 PM. Technical Bids will be opened on 13/09/2021 at 3:00 PM in the Conference Hall of the Institute** 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.700/-** 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.700/-** 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 :**  

An Earnest Money Deposit of **Rs.5,00,000/-** (Rupees five lakhs only) **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.
  
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 BBCI.

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 indicating:
  - a) Ex-works cost of the entire equipment with 2 years of warranty and **essential** accessories and optional accessories separately.
  - b) F.O.B. cost (including handling, inland freight & documentation charges) of the entire equipment and **essential** accessories and optional accessories separately.
  - c) The freight & insurance charges (up to installation, commissioning and testing).
  - d) Total amount of the equipment on **Dr B Borooah Cancer Institute, Guwahati**
  - e) The delivery period of the equipment and the time required for installation / commissioning of the equipment must be mentioned.
  - f) The offer would be **Dr B Borooah Cancer Institute, 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.
  - g) In case the offer is in INR – terms of supply shall be FOR Destination including applicable taxes duties, government levies (taxes and duties shall be indicated separately).
  - h) It shall be responsibility of the tenderer to arrange for customs clearance and delivery of equipment at his own cost, risk and consequences. However, at the time of clearance, online custom duty will be paid by BCCI. The vendor has to confirm the custom duty amount in time.
3. **Turnkey** – Separately quote for a turnkey completion of the existing site approved by AERB including AHU, firefighting infrastructure. Any repair / damages which may occur due to faulty turnkey work shall be to the account of the successful tenderer.  
For getting information on finishes, Layout plan on Autocad, furniture etc. and other details the vendor to contact following officials of BCCI, Guwahati :
  - i) Sr. Medical Physicist cum RSO, BCCI (Mob : 9864071570)
  - ii) Asst. Executive Engineer, BCCI (Mob : 9864079410)
  - iii) Sr. Administrative Officer, BCCI (Mob : 8697034302)Vendor to submit BOQ without mentioning price in the technical bid.  
Scope of turnkey works is enclosed as **SCHEDULE-II**.
4. **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.
5. **Mode of Payment :**
  - a) **Terms of payment for offer in foreign currency:** Unconfirmed irrevocable letter of credit for 100% payment. All bank charges within India to buyer's account and Outside India it will be on the sellers account. 80% payment will be released through Letter of Credit on receipt of all required original documents. Balance 20% payment will be released on i) successful installation and commissioning ii) acceptance and certification by the user dept. and iii) submission of 10% performance bank guarantee in INR for warranty period plus three months from date of installation.

**b) Terms of payment for offer in INR** : 80% payment against delivery at purchase's site and preliminary inspection and balance 20% after commissioning and final acceptance and submission of 10% performance bank guarantee in INR for warranty period plus three months from date of installation.

6. **Warranty : 2 YEARS WARRANTY AND 8 YEARS CMC**

**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 02 years warranty **plus quote separately for 8 years CMC** after the warranty period. CMC charges shall be quoted exclusive of taxes (if any). Tenders not confirming to this clause are liable to be rejected. CMC shall cover the entire scope of supply without any exclusions.

7. **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 TMC 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 Rs.3,000/- per hour for the 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.

8. **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.

9. **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.



10. **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.
11. The amount / rate of taxes as may be levied should be indicated separately in the commercial offer.
12. 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. **Turnkey** – Separately quote for a turnkey completion of the existing site approved by AERB including AHU, firefighting infrastructure. Turnkey charges will not be considered for identifying the lowest bidder. The detailed scope of turnkey work for “**Conventional Simulator**” will be discussed after finalizing equipment with the vendor.
3. **Please quote all the models including state of the art. Bidder not quoting their high end model shall be rejected.**
4. **Pre Bid meeting** will be held on **28/07/2021 (Wednesday) at 10:30 AM** through video conferencing considering the present situation due to COVID-19 pandemic. The authorized representatives of the bidder may participate in the Pre-Bid meeting either from TMH, Mumbai or BBCI, Guwahati.
5. Queries from the vendor should reach to the Purchase Dept. before two days from date of pre bid meeting.
6. BBCI reserves the right to purchase all OR any of the quantities tendered.
7. Delivery site:  
**1) DR. BHUBANESWAR BOROOAH CANCER INSTITUTE, A. K. AZAD ROAD, GOPINATH NAGAR, GUWAHATI-781016**
8. Conditional & incomplete offers will not be accepted.
9. Offers with conditions / ambiguity shall be liable to be rejected.
10. Rules and regulations of BBCI will be deemed to have been incorporated in this tender and shall form part of the contract.
11. Tenderers having a services centre locally will be preferred.
12. The tenderer /contractor/company should furnish along with tender an affidavit duly notarized on Non judicial stamp paper of Rs.100/- affirming as under:

13. 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 BCCI reserves the right to reject such offers.

14. Tenders / offers with conditions like discount / rebate / waiving off some charges etc. Subject to some condition will not be considered.

- 15. 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, BCCI, 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 & Serial # 12. 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 : CONVENTIONAL SIMULATOR**

**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**

i) Name of the equipment : **CONVENTIONAL SIMULATOR** for BBCI, Guwahati on buy back basis

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

Sr. No.	Particulars	Quantity	Unit Rate (indicate currency clearly)	Amount (indicate currency clearly)
1.	Ex-works cost of the <b>complete</b> item with <b>2 year of warranty</b> (including training as per tender)	<b>1 No.</b>		
2 (a)	Discount offered on the price of the basic equipment			
2 (b)	Buy back offer for existing Nucletron's SIMULIX Evolution CBCT (Simulator machine, installed in 2008) including the cost of decommissioning & dismantling, and removing the parts to a designated place as directed by the user department. Buy back does not include UPS of the unit (third party item), it means only for buyback of the Simulator machine.			
3.	Add : Inland handling, Packing and forwarding charges upto the Port of shipment/boarding			
<b>4.</b>	<b>Total FOB cost BBCI</b>			
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.	<b>Total CIF Price, BBCI</b>			
8	<b>INR price for indigenous supply (if any)</b>			
9.	Comprehensive Maintenance charges (CMC) for the period of 8 years payable periodically after warranty ( <i>exclusive of taxes</i> ) ( <b>No exclusion</b> ). CMC charges should be quoted in INR only. <i>Net of discounts</i>			
10	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 CMC charges)			
11	Customs duty and other statutory levies to be added by the Purchaser ( <b>not to be filled by the tenderer</b> )			
12	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.) to be added by the Purchaser ( <b>not to be filled by the tenderer</b> )			
<b>13</b>	<b>Total cost of equipment (Sl.No.10 + 11 + 12) to be taken for arriving at the final price (after converting the currency to INR)</b>			
<b>14</b>	Site preparation charges (in INR) of <b>Conventional Simulator</b> (Location) as per Turnkey BOQ enclosed. (will not be considered for arriving at lowest tender)			

Signature

Name of authorized person for bidder with seal



**COMMERCIAL OFFER / PRICE BID FORMAT – PART II**

**SITE PREPARATION CHARGES (TURNKEY OFFER) OF CONVENTIONAL SIMULATOR. QTY. 1 no. for BBCI, Guwahati as per Turnkey BOQ enclosed. (Site preparation charges (Turnkey Offer) will not be considered for arriving at lowest tender)**

<b>Sr. No.</b>	<b>Particulars</b>	<b>Qty.</b>	<b>Unit Rate in INR only</b>	<b>Total Amount in INR</b>
1.	Ex-works cost of the entire bill of material with <b>1 year of warranty</b>	<b>1 no.</b>		
2.	Discount offered on the price of the basic equipment			
3.	Add : Inland handling, Packing and forwarding charges upto the Port of shipment/boarding			
<b>4.</b>	<b>Total FOB cost BBCI</b>			
5.	Agency Commission charges to be paid to Indian agent (if any to be paid in Indian rupees)			
6.	Freight & Insurance, loading, unloading charges etc. from the manufacturing plant till the installation site.			
7.	<b>Total FOR Destination (installation site at BBCI, Guwahati)</b>			

Signature

Name of authorized person for bidder with seal

## Schedule – I

### Technical Specification for supply, installation & commissioning of Conventional Simulator

Isocentrically mounted X-ray simulator machine capable of simulating all radiotherapy treatment machines		
<b>Please quote the model which includes latest state of the art equipment and meets the basic minimum specifications. The quoted model should be latest introduced with end of life not before 10 years from the date of installation at TMC (BBCI).</b>		
	Name of Vendor	
		Make:
		Model:
		Year of introduction:
		Year of up gradation:
		Expected end of support (H/W & S/W):
		Work in progress and future models:
A	Essential Parameters	
	<b>Parameters</b>	<b>Specifications</b>
1	Gantry	Rotation range : at least should have $\pm 185^{\circ}$ CW and CCW
		Isocenter height from floor : 100 cm to 130 cm
		Gantry rotation speed : Variable up to $360^{\circ}/\text{min}$ continuously
		Gantry position readout : Digital and mechanical
		Gantry position readout accuracy : $\pm 0.5^{\circ}$
		Anti-collision system : Should have both logic and touch guard anti-collision mechanism
		Shift in isocenter with gantry rotation : within 2mm dia.
		Readout of Focus to Axis Distance (FAD) : Digital and mechanical; Location : Local & remote
		Accuracy of FAD movement : $\pm 1\text{mm}$
		Focus to detector distance (FDD) indicator : Digital and mechanical; Location : Local & remote

2	Collimator	Rotation range : $\pm 100^{\circ}$ (CW and CCW)
		Rotation speed : Please Specify
		Collimator position readout : Digital and mechanical
		Collimator position readout accuracy : $\pm 0.5^{\circ}$
		Collimator should have the facility of independently moving field delineating wires
		Optical Distance Indicator range : 60 cm - 120 cm with $\pm 2$ mm accuracy
		Shift in isocenter with collimator rotation : within 2mm dia.
		Field size range with delineating wires : $2 \times 2 \text{ cm}^2$ to $40 \times 40 \text{ cm}^2$ at isocenter
		Accuracy of reticule scale : $\pm 1$ mm
		Optical field size accuracy with delineators : $\leq 2$ mm
		Delineator wire movement speed : Please Specify
		Anti-collision system : Please Specify
		Distance of collimator end to isocenter : Please Specify
		Collimator control : Local and remote
		Field size readout : Digital; Location : Local and Remote
		<b>Collimator Shutter :</b>
		Field size range : $1 \times 1 \text{ cm}^2$ to $45 \times 45 \text{ cm}^2$ at isocenter
		Mode : Tracking, symmetrical, asymmetrical & independent
		Readouts : Digital; Location : Local & remote with $\pm 1$ mm accuracy
3	Treatment Couch	Movements of couch and range (cm):
		- Longitudinal : Please Specify
		- Lateral : Please Specify
		- Vertical : Please Specify
		- Isocentric : Please Specify
		Table top material : Carbon fiber with negligible beam attenuation
		All movements should be motorized & manual mode.
		All movements should have locking mechanism
		Shift in isocenter with couch rotation : within 2mm dia.
		Shift in isocenter with couch vertical motion : $\pm 2$ mm
		Couch dimension : Please Specify
		Couch movements control panel : Local & remote
		Maximum patient load at the fully extended position (towards gantry) : Please Specify
		Maximum table sag with maximum load at extended position of the couch : Please Specify
		Anti-collision system : Please Specify

4	X- ray tube	Should have small and large focus
		Focal spot size :
		- Small : ____ mm × ____ mm
		- Large : ____ mm × ____ mm
		Maximum tube voltage (kV) : Please Specify
		Maximum tube current (mA) : Please Specify
		Type of anode : Rotating
		Maximum and minimum RPM for anode : Please Specify
		Anode angle : Please Specify
		Anode heat storage (HU) and heat dissipation rate (HU/sec) : Please Specify
		Heat integrator with digital readout shall be provided to indicate percentage heat load used.
5	X-ray Generator	X-ray generator output (kW) : Please Specify
		Three phase, high frequency generation of high voltage waveform is required.
6	Simulation mode	Fixed : SSD/SAD with radiographic and fluoroscopic mode
		<b>Radiographic Mode:</b>
		Radiographic mA control range : 10-500 mA
		Radiographic mAs control range : 1-500 mAs
		Radiographic kVp control should range from 40-150 kV in 1 kV steps
		Generator should be controlled by software for kV, mA & mAs with independent selector
		<b>Fluoroscopic Mode:</b>
		Fluoroscopic rating should preferably ranging from 20 mA to 80 mA at 125 kVp
		Fluoroscopic kVp control should range from 40-120 kVp in 1 kV steps
		Fluoroscopic mA range : 10-50 mA, mAs range : 1-5 mAs
		Automatic brightness control should be available
7	Flat Panel Detector System	Receptor type : Amorphous Silicon TFT scintillator
		Detector area : More than 40 x 40 cm <sup>2</sup>
		Pixel matrix : Minimum of 1024 x 1024
		Lateral, Longitudinal & vertical movement ranges (cm) of detector panel : Please Specify
		Automatic re-centering with beam central axis option should be available

8	Laser Alignment System	A total of 4 lasers. 2 lateral lasers, one above gantry projecting a cross and one sagittal laser system should be provided - Green color
9	Optical & radiation field congruence	1 mm for 3x3 to 20x20 cm <sup>2</sup> & 0.5% for >20x20cm <sup>2</sup>
10	Control console & In-room operations	A control console should be available in the simulation control room from which all the control movements of the simulator should be possible; indicate which functions are not available, if any
		Simulator should include an integrated digital imaging capability, allowing image acquisition and display at the console (radiographic & fluoroscopic)
		Automatic storage of images taken under particular patient name and ID
		Provision for zoom, pan, adjust window level for acquired image
		Tools for distance measurements, angle, etc. should be included
		Ability to change delineating wires (field size) on the image, collimator angle, gantry angle and couch movement from console
		It should be possible to simulate a patient at 80 cm and 100 cm SSD
		It should be possible to create multiple plans, multiple fields under a plan and multiple images for a patient
		Ability to compare multiple plans of a patient for comparison
		Ability to create automatic mirror field for any exposed field
		Operations of room light, lasers & ODI should be possible from console.
		Images taken at simulator should be able to transfer in DICOM format to existing systems or TPS
11	Computer systems	Computers provided in console room should be able to handle the digital image for post processing, analysis and planning
		One additional workstation shall be provided for image viewing and processing
		PC should be of latest technology and windows based operation
		Internal memory of at least 2TB shall be provided for storage of patient data
		DICOM transfer capability with other existing systems in the department should be available
		Two wall mounted 24" LCD monitors should be provided inside simulator room showing detail parameter
		All monitors provided should be of medical grade and size 24" or higher

<b>B</b>	<b>INSTALLATION REQUIREMENTS</b>	
1	Physical Dimensions and Weights	Generator
		Stand
		Gantry
		Auxiliary cabinet
		Patient Couch
		Control Console
2	Electrical Requirements	Load - Standby
		Ready
		Beam ON
		Input Voltage -Typical International:
3	Cooling Water	Temperature
	(please specify)	Flow
		Pressure difference (To specify)
4	Air Conditioning	Temperature
		Relative Humidity
		Air changes (To specify no. per hour)
5(a)	Turn Key Project	Vendor should visit the site and submit the quote of turnkey
5(b)	Buy Back of old existing Nucletron's Simulix Evolution CBCT (Simulator machine)	Buy back offer for existing Nucletron's Simulix Evolution CBCT (Simulator machine, installed in 2008) to be included in the offer. The buy-back offer must include the cost of decommissioning and dismantling of Nucletron's Simulix Evolution CBCT, and removing the parts to a designated place as directed by the user department. Buy back does not include UPS of the unit (third party item), it means only for buyback of the machine.
		Any requirements for installation of equipment should be mentioned during negotiation otherwise handing over fully functional machine will be the responsibility of the vendor.

<b>C</b>	<b>FINANCIAL BID</b>	Separately
	(specify separately for desirable items)	Cost
		Insurance up to installation & commissioning.
		Transport and rigging
		Installation
		Essential spare parts
		Up-gradation of equipment
<b>E</b>	<b>Validity of Quotation</b>	Please specify
<b>F</b>	<b>Local Service Support:</b>	Should have local service support/service engineer for attending the breakdown calls.
<b>G</b>	<b>Response Time:</b>	Should not be more than 12 hrs. from lodging a breakdown complaint on toll free or by email.
<b>H</b>	<b>Warranty from the date of commissioning</b>	2 Years for complete System
<b>I</b>	<b>CMC</b>	CMC :8 years CMC for complete system: Included 4 preventive maintenance/ year and all breakdown visits. All bought out items used in system should also be included in the warranty. CMC should include upgrades / update cost. No separate software license fees will be payable. <b>(Should include QA QC annually as per AERB norms.)</b>

<b>J</b>	<b>Uptime Guarantee (95%) / Penalty Clause</b>	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 TMC 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 <b>Rs.3000/-</b> per hour for the 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.
<b>K</b>	<b>Delivery Schedule</b>	Please specify
<b>L</b>	<b>Training of Staff</b>	Module based training for at least 2 weeks
		Two Radiation Oncologists
		Two Medical Physicists
		Two Radiotherapy technologists
		Onsite training for radiation oncologist, medical physicist and radiotherapy technologist on various modules Simulator machine & Work Station.



<b>M</b>	<b>Equipment certification</b>	AERB type approval / NOC
		Enclose certification of calibration and inspection
		Log book with instruction for daily, weekly, monthly, quarterly and yearly maintenance check list.
<b>N</b>	<b>Other Information</b>	Vendor to provide following :
		(i) No. of similar models: India / World (enclose list of institutions)
		(ii) No. of certified engineers in India (enclose list of names)
		(iii) Remote Diagnostics Facility (India / Abroad) availability
		All consumables required for installation, standardization testing of system should be included in the cost
<b>O</b>	<b>Any other details</b>	Please specify
1)	<b>If 2 years warranty and 8 years CMC conditions are not adhered to, TMC (BBCI) reserves right to reject the offer.</b>	
2)	<b>Please provide online UPS with isolation transformer of adequate capacity for the complete systems. With minimum 30 min back up. Individual UPS for each Workstation and server.</b>	
3)	<b>Only Yes or No should be mentioned in compliance report and additional information should in remark columns.</b>	

**Note:** Any software or hardware component required for basic functionality of the quoted features which may be overlooked in the specification should be supplied by the vendor without any additional cost.

## **Schedule – II**

### **Scope of work for turn-key work for Conventional CT Simulator Unit**

*(The final detailing to be done after pre-bid meeting)*

#### **Civil works:**

1. Civil work modification as per present AERB norms and as required for the selected machine.
2. Dismantling and demolishing of RCC/ brick/ door- window works.
3. Flooring - Granite slab
4. Cover the duct by granite slab, floor ducting for cabling inside the bunker and console.
5. Wall finishing as required – tiles finishing
6. Ceiling finishing as required
7. Base plate pith as per machine's requirement.
8. Aluminum door- console room.
9. LEAD line door finished with wood & mica as per AERB/ site requirement.
10. Console table as per site requirement.
11. Public address system.
12. Two-way communication system.
13. LEAD line glass as per AERB/ site requirement.
14. Bath table granite/ SS finishing, size as per site requirement.
15. Revolving chair 6 Nos. (middle height) (Godrej make – Steel Store Well)
16. Cupboards for document keeping (8 feet height) – 2 Nos.
17. Steel Store Well 2 Nos. cupboard – 2 nos. (wooden) 5' x 10' x 2½'
18. Powder coated steel rack for storage of thermoplastic molds (size 6 ft x 2 ft x3 ft) – 2 nos.
19. Door inter-lock system machines. Quality – 2 units
20. Painting and color washing as per requirement.
21. Dehumidifiers – as per room-size and humidity requirements.
22. Patient Attendant's Chair – 3 seaters – 3 nos. Godrej make
23. SS letter for machine room as directed by the department.
24. IT networking

#### **Electrical works:**

1. Dedicated cast iron/ copper/ chemical earthing – 4 Nos.
2. False Ceiling light as per site requirement.
3. Console room power points, AC power point, laser power point as per site requirement.
4. All electrical wirings and power point accessories as per required specification.
5. All internal cable connection between UPS to machine and UPS to console.
6. Distribution box as per requirement
7. Cubical panel as per site requirement.
8. 2 ton split AC (make: Blue star/ Carrier/ Voltas) for machine room – 2 Nos with all accessories which should include starter, stabilizer, copper pipe, drain pipe, etc.
9. 1.5 ton split AC (make: Blue star/ Carrier/ Voltas) for console room – 3 Nos with all accessories which should include starter, stabilizer, copper pipe, drain pipe, etc.
10. MCCB, MCB as per requirement.
11. Ceiling fan as per requirement