

# BIDDING DOCUMENT

FOR

## SUPPLY OF INSTRUMENTS /EQUIPMENT FOR MEDICAL COLLEGE HOSPITALS OF ASSAM

IFB NO.: DME/187/2011/1261

Due for opening on

27-02-2012

at

3.00 PM

*Bidding Document issued to M/S.....  
on dated ..... against the receipt of Rs.5000/- (Rupees Five thousand ) only  
in the form of Bank Draft/Bankers' Cheque No.....  
Dated.....*

*Director of Medical Education, Assam.*



**GOVERNMENT OF ASSAM  
DIRECTORATE OF MEDICAL EDUCATION, ASSAM,  
SIXMILE, KHANAPARA, GUWAHATI-781022.**

**GOVERNMENT OF ASSAM**  
**OFFICE OF THE DIRECTOR OF MEDICAL EDUCATION, ASSAM**  
**SIXMILE, KHANAPARA, GUWAHATI-22**

FAX NO-0361-2366236

No. DME/IFB/187/2011/1261

Dated 24 -01-2012

**INVITATION FOR BIDS**  
**(NATIONAL COMPETITIVE BIDDING)**

Sealed Bids (Two envelop System) are invited from the intending manufacturers or accredited dealers for supply and installation of Equipments/ Instruments for use in the Medical College Hospitals of Assam under the Health & F.W. Department, Govt. of Assam.

IFB No.DME/IFB/187/2011/1261 ( Radiology)

CLOSING DATE & TIME FOR RECEIPT OF BIDS : 27-02-2012 At 2.00 P.M.

BIDS OPENING DATE & TIME : 27- 02-2012 At 3.00 P.M.

1. Bid Schedule :

| Name of the Deptt. | Name of Items                                                     | EMD ( Bid Security) | Tender Fee  |
|--------------------|-------------------------------------------------------------------|---------------------|-------------|
| <b>Radiology</b>   | 1. Direct Digital Radiography System with Flat-Panel Detector     | Rs. 3.00 Lacs       | Rs. 5,000/- |
|                    | 2. High Speed, Heavy Duty Computed Radiography System (CR System) | Rs. 0.50 Lacs       |             |
|                    | 3. 800 mA High Frequency X-Ray Machine with IITV                  | Rs. 0.60 Lacs       |             |
|                    | 4. 100mA X-Ray Machine portable.                                  | Rs. 0.25 Lacs       |             |
|                    | 5. Portable Ultrasound B & W.                                     | Rs. 0.30 Lacs       |             |
|                    | 6. Digital Color Doppler Ultrasound System                        | Rs. 0. 50 Lacs      |             |
|                    | 7. Premium High End Colour Doppler USG System..                   | Rs. 1.00 Lacs       |             |

- Bidding documents are available for sale at this office during the office hours on all working days from **27-01-2012** till a day prior to the closing date of receipt of bid indicated above, against the payment of non-refundable Tender fee as mentioned above per group in the form of a crossed demand draft/Banker's Cheque in favour of the "Director of Medical Education, Assam, Sixmile, Khanapara, Guwahati-22." Payable at SBI-Dispur Branch (Guwahati). Bidders desirous of having bidding documents by post shall have to submit a big size self-addressed envelop affixing postal stamp of Rs. 300/- (Rupees Three Hundred only) along with the Bank Draft/Bankers Cheque of Tender fee as stated above indicating the Tender Identification Code No. The bidding documents can also be downloaded from the official web site of NIC, Govt. of Assam ([www.assamgovt.nic.in](http://www.assamgovt.nic.in)) and NRHM, Assam ([www.nrhmassam.in](http://www.nrhmassam.in)). In case of bid documents downloaded from the website mentioned above the required fees as mentioned above per group has to be deposited at the time of submission of tender. In case of any disparity between the printed version of the tender documents sold through the Directorate and the downloaded version, the printed will be prevail.
- It is the responsibility of the bidders to ensure that their bids are dropped in the tender box in the office of Directorate of Medical Education, Assam, Six mile, Khanapara, Guwahati-22 by the closing date and time stipulated above.
- The bid documents are not transferable.
- The undersigned is not bound to accept the lowest rate and reserve the right to reject or cancel the tender without assigning the reason whatsoever.
- The Vendor will quote only for one model against the specification of the Equipments/ Instruments shown in the Bid document. In case the Vendor is interested to offer two models against the same specification, the Vendor has to deposit separate E.M.D. as per Schedule of requirement.**

Sd/- Prof.D.Hazarika.  
Director of Medical Education, Assam

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## Schedule-1

### TERMS AND CONDITIONS:

1. This Invitation For Bids (National Competitive Bidding) is open to all eligible manufacturer and/or their accredited dealers
2. Bid must reach the office of the Director of Medical Education, Assam, Sixmile, Khanapara, Guwahati-781022 as in the date and time as stipulated in the IFB. A late Bid will not be accepted under any circumstances and for reasons what so ever.
3. All Bids duly sealed must be addressed to the Director of Medical Education, Assam, Sixmile, Khanapara, Guwahati-781022 and IFB No with Tender Identification Code should be **super scribed prominently** in the covering envelope along with full name and address of the Bidder.
4. The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Governor of Assam, herein after referred to as “the Purchaser” will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tender process.
5. It is the responsibility of the Bidder to ensure that their Bid, whether sent by post or by courier or by person are dropped in the Tender Box in the office of the Director of Medical Education, Assam, Sixmile, Khanapara, Guwahati-781022 within the stipulated date and time as mentioned in the IFB. The DME, Assam will not undertake any responsibility whatsoever for postal delay in process of submission of Bids.
6. The Bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the bidder’s risk and may result in the rejection of its bid.
7. **Bidders shall submit their bids in two parts as under:**
  - a) **Technical bids**, in triplicate, consisting of technical details bringing out clearly in a separate sheet, the deviations in specifications if any from that of ‘Technical Specifications’ and also clause-by-clause compliance of specifications along with the commercial terms and conditions and bid security.
  - b) **Price bids** showing only item wise prices in a separate sealed cover inside the main cover.
  - c) It may be noted that when the main cover is opened on the date and time scheduled for Bid opening, only the technical bids will be opened and read out in public.
  - d) Bidders whose technical bids are found substantially responsive will be informed of the date and time of opening of their price bids. Price bids of others will be returned to them unopened before opening the price bids of others.

The Bids should be duly marked and sealed, as “Original”, “Duplicate” and “Triplicate”. The sealed bids viz. Original, Duplicate and Triplicate of Technical and Price Bids as mentioned above should be put together finally in a big envelope, which should be sealed as per the clause 3 above.
8. It may be noted that Technical bids will be opened and read out in presence of bidders or their authorized representative if they desire to remain present on the date and time scheduled for Bid opening,
9. The original, duplicate and triplicate copies of the bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the contract. Written power-of-attorney accompanying the bid shall

indicate the letter of authorization. The person or persons signing the bid shall initial all pages of the bid, except for un-laminated printed literature.

10. In the event of any discrepancy between original, duplicate and triplicate bids, the original shall govern.
11. The bidder shall complete the bid forms and the appropriate price schedule (**Annexure-II and Annexure-III**) furnished in the bidding documents, indicating for the goods to be supplied, a brief description of the goods, their country of origin, quantity and prices.
12. For comparison of bids, the purchaser will grant a margin of preference to goods in accordance with the Govt. standing procedures, provided the bidder shall have established to the satisfaction of the purchaser that the goods are eligible for price/purchase preference.
13. However, the quantum of price/purchase preference to be allowed shall be determined by the purchaser on the merits of individual cases based on the prevailing Government policy as per the Assam Preferential Store Purchase Act and his decision shall be final and binding and the purchaser and/or the Government of Assam shall entertain no representations on this ground.
14. To assist in the examination, evaluation and comparison of bids, the purchaser may, at its discretion, ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.
15. Preliminary examination: The purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required EMD has been furnished, whether the document have been properly signed, whether the bid validity is as required and whether the bids are generally in order.
16. **Bid from accredited dealers without proper authorisation from the manufacturers shall be treated as non-responsive and shall be rejected.**
17. The bid shall remain valid for 365 (three hundred and sixty five) days after date of bid opening. The Purchaser shall reject a bid valid for a shorter period. In exceptional circumstances, the purchaser may solicit the bidder's consent to an extension of the period of tender validity. The request and the responses thereto shall be made in writing. The EMD (bid security) provided under clause 19 shall also be suitably extended. A bidder may refuse the request without forfeiting its bid security. A bidder granting the request will not be required nor permitted to modify its bid.
18. The contract should be completed within 45 days from the issue of formal supply order.
19. **The bidder must furnish EMD (bid security) as per the schedule of requirement unless otherwise exempted under Govt. Orders/Rules in force.**
20. **The EMD** (bid security) shall be demonstrated in the Indian Rupees and shall be in one of the following forms:
  - a) Post Office Cash Certificates, National Savings Certificates (Certificates which are not held in the name of the bidder shall not be accepted).
  - b) Post Office Savings Bank Pass Book and

- c) Deposit Receipts or Bank Guarantees (in the prescribed pro forma given at **Annexure-X** issued by any of the scheduled banks).
21. Any bid from a bidder who fails to furnish EMD (furnish a notarized copy of the registration certificate for the item quoted), not secured in accordance with clause 19 and 20 will be summarily rejected by the purchaser, as non-responsive.
22. Unsuccessful bidder's EMD (bid security) will be discharged / returned as promptly as possible. The bidders are advised in their own interest to send a pre-receipted challan along with their bid so that the return of EMD (bid security) after the bid have been rejected, is made within the stipulation period.
23. The successful bidder's EMD (bid security) will be discharged /returned upon the bidder executing the contract and after furnishing the Performance security, pursuant to clause 32.
- 24. The prices must be quoted in Indian Rupees. Bids, where prices are quoted in any other way shall be treated as non-responsive and rejected. The bidder shall indicate on the appropriate price schedule (Annexure-III) attached to these documents the unit prices and total bid prices of goods it proposed to supply under the contract.**
25. The Purchaser will technically evaluate all bids previously determined to be responsive and compare the bids previously determined to be substantially responsive and technically acceptable.
26. The Purchaser's evaluation of a bid will include and take into account:  
**The goods manufactured indigenously or goods of foreign origin already located in India:** excise duty, sales tax and other similar taxes and duties, which will be payable on the goods if a contract is awarded to the bidder and the purchaser's evaluation of a bid will exclude and not take into account the additional features like training in India or abroad offered free or at an additional cost unless specifically asked for in the 'Technical Specifications'.
27. The comparison shall be of F.O.R. site and delivered and commissioned at consignee's end. The purchaser's evaluation of bid will take into account, in addition to the bid price and the price of incidental services, the following factors, in the manner and to the extent indicated in clause 28 and in the 'Technical Specifications':
- Cost of inland transportation and other costs within India incidental to delivery of the goods to their final destination at consignee's site,
  - delivery schedule offered in the bid,
  - deviations in payment schedule from that specified under clause 49.
  - the cost of guarantee/warranty and
  - the Performance and productivity of the equipment offered.
28. Pursuant to clause 27, following evaluation methods will be followed:
- Inland transportation, insurance and incidentals:**  
Bidder shall quote separately for inland transportation, insurance and other incidentals for delivery of goods to the site.
  - Applicable Taxes:**  
Bidder shall quote separately for all applicable taxes payable to the Govt. for delivery of goods to the site.

29. **Purchaser's right to accept any bid and to reject any or all bids:** The purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject any or all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligations to inform the affected bidder or bidders of the grounds for the purchaser's action.
30. **Notification of award:** Prior to the expiration of the period of bid validity, the purchaser will notify the successful bidder in writing, by registered letter or by cable or telex or fax (to be confirmed in writing by registered letter), that its bid has been accepted. The notification of award will constitute the formation of the contract.
31. **Signing of contract:** At the same time, the purchaser notifies the successful bidder that its bid has been accepted, the purchaser will send the bidder the contract form provided in the bidding documents, incorporating all agreements between the parties. The successful bidder shall sign and date the contract form provided in the document. A registered Power of Attorney is to be supported with the bid in favour of the person(s) who will sign the bid as well as contract form if contract is awarded. (**Annexure-XII**)
32. **Performance Security:** Immediately after the receipt of notification of award from the purchaser, the successful bidder shall furnish the Performance Security. The supplier shall furnish Performance Security to the purchaser for an amount of **5% (five percent)** of the order value, valid for the entire period of warranty.  
However, if the supplier fails to execute the order or fails to perform the services as per contract in addition to other panel actions, the performance security shall be encased & the amount forfeited.
33. **Failure of the successful bidder to comply with the requirement of clause 31 or clause 32 shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD (bid security), in which event the purchaser may like the award to the next lowest evaluated bidder or call for new bids.**
34. The proceeds of the Performance Security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete its obligations under the contract.
35. **The Performance Security** shall be denominated in the Indian Rupees and shall be in one of the following forms:
- a) Post Office Cash Certificates, National Savings Certificates (Certificates which are not held in the name of the bidder shall not be accepted),
  - b) Post Office Saving Bank Pass Book and
  - c) Deposit Receipts or Bank Guarantees (in the prescribed pro forma given at **Annexure-XI** issued by any of the scheduled banks).
36. **Inspection and tests:** The purchaser or its representatives shall have the right to inspect and/or to test the goods to confirm their conformity to the contract. The purchaser shall notify the supplier in writing of the identity of any representatives for this purpose.
37. The inspections and tests may be conducted on the premises of the supplier, at point of delivery and/or at the goods final destination, where conducted on the premises of the supplier, all reasonable facilities and assistance including access to drawings and production data shall be furnished to the inspectors at no charge to the purchaser. Should any inspected or tested goods fail to conform to the specifications, the purchaser may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet specification requirements free of cost to the purchaser, within a period of **15(fifteen)** days of intimating such rejection. The purchaser's right to inspect,

test and, where necessary, reject the goods after the good's arrival at the final destination shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by purchaser or its representatives prior to the goods dispatch from the place of manufacture.

38. Nothing in clause 37 shall in any way release the supplier from any warranty or other obligations under the contract.

**39. Qualification Criteria:**

1. The bidder must be a manufacturer or their accredited dealers (specifically against this IFB for the subject goods) and had successfully executed contracts for similar and/or identical goods in the past three years prior to the date of Tender opening. In support of this, the bidder shall furnish Performance statement in the enclosed **Annexure-I**.
2. Notwithstanding anything stated above, the purchaser reserves the right to assess the bidder's capability and capacity to perform the contract satisfactorily before deciding on award of contract, should circumstances warrant such an assessment in the overall interest of the purchaser.

**40. Warranty:**

- i. The supplier warrants that the goods supplied under the contract are new, unused, or the most recent of current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials or workmanship (except insofar as the design or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in India, i.e. the country of final destination.
- ii. **The warranty should be as per the period mentioned in the Technical Specification.**
- iii. The purchaser/indenter shall notify the supplier in writing of any claims arising under this warranty.
- iv. Upon receipt of such notice, the supplier shall, with all reasonable speed, repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the purchaser for the replaced parts/goods thereafter.
- v. If the supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchase may have against the supplier under the contract.
- vi. The warranty for defective parts will begin de novo from the date of replacement. Supplier will pay customs duty and all expenses up to the destination for the replaced part.
- vii. **During the warranty period, the desired uptime of 95% of 365 days on a 24 hours basis shall be ensured.**

**41. Reasonability of rates/ firm price:**

- i. The bidder shall certify that the rates quoted are the lowest ones for any institution in the country.
- ii. During the period of the contract, if the price of any tendered item is reduced due to any reason including any Law or Act of the Central/State

Government, the bidder shall be statutorily bound to intimate the reduced rates immediately to the purchaser and shall charge the reduced rates. The purchaser is empowered to unilaterally effect such reduction as is necessary in rates, in case the bidder fails to notify or fail to agree to such reduction of rates.

- iii. Subject to the condition stipulated above, the prices shall remain firm for the validity period of tender and on no account any increase in price shall be entertained till completion of the tender period.
- iv. No bidder will be allowed at any time on any ground whatsoever, to claim revision of or modification in the rates quoted by him. The representation of the bidder that computation/ typographical or clerical error etc. has been committed in the bid and request for reversion on such plea shall not be entertained after opening of the bid.

**42. Contacting the Purchaser:** Subject to clause 18, no bidder shall contact the purchaser on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded. Any effort by a bidder to influence the purchaser in the purchaser's bid evaluation, bid comparison or contract award decisions shall result in the rejection of the bidder's bid and also banning of business dealings with the bidder for a period of three years from the date of such ban.

**43. Documents establishing good's eligibility and conformity to bidding documents:** The bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services, which the bidder proposes to supply under the contract. The documentary evidence of the goods and services eligibility shall consist of a statement in the price schedule. The documentary evidence of the goods and services conformity to the bidding documents may be in the form of literature, drawings and data and shall furnish:

- i. A detailed description of the goods essential technical and Performance characteristics,
- ii. A list giving full particulars, including available sources and current prices, of all spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period of years, following commencement of the goods used by the purchaser and
- iii. A clause-by-clause commentary on the purchaser's 'Technical Specification' demonstrating the goods and services substantial responsiveness to those specifications or a statement of deviations and exceptions to the provisions of the 'Technical Specifications'.

**44. Definition of Technical Specification:** For purposes of the commentary to be furnished to clause 43 (iii) above, the bidder shall note that standards of workmanship, material and equipment and references to brand names or catalogue numbers designated by the purchaser in its 'Technical Specifications' are intended to be descriptive only and not restrictive. The bidder may substitute alternative standards, brand names and/or catalogue numbers in its bid, provided that it demonstrates to the purchaser's satisfaction that the substitutions are substantially equivalent or superior to those designated in the 'Technical Specifications'.

**45. Statutory taxes/ duties :**

In case of any enhancement of Taxes and/ or duties or levy of fresh Taxes/ duties due to Statutory Act of the Govt., after date of submission of the tenders and during the contractual delivery period, additional or fresh levies so imposed will be allowed to be claimed as extra without any change in the price structure approved under the tender. For this purpose, the supplier shall produce a certificate from the authority concerned

certifying that the item supplied falls under particular tariff resulting in additional/ fresh levies for the supplied item.

However, the same shall not be borne by the purchaser in case such levies become applicable after expiry of the contractual delivery period stipulated in the contract.

Further, in case the bidder has been enjoying Excise Duty exemption on any criteria like turnover etc. and at a later date, during currency of the contract, even if Excise Duty becomes chargeable on goods manufactured, the same shall be to the supplier's account and shall not be borne by the purchaser.

**46. Penalty for delay in delivery:**

**Non-performance of the contract provisions may make the bidder liable to be disqualified to participate in any tender for the next 5 years, in addition to forfeiture of EMD / Performance Security and other penal provisions.**

**47. Force majeure:**

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

**48. Fraud & Corruption:**

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

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

During the process of evaluation of a bid or proposal for award of a contract, if it is detected that a bidder directly or through agent has engaged in corrupt, fraudulent, collusive or coercive practice in competing for the contract in question, then a) the bid shall be rejected and b) declare the firm ineligible for a specific period or indefinitely to participate in a bidding process.

In the bid document itself, an undertaking has to be furnished in the format at **Annexure-VII**.

**49. Local conditions:**

It will be imperative on the bidder to fully acquaint himself of all local conditions and factors that would have any effect on performance of the Contract. The purchaser shall not entertain any request for clarifications from the bidder regarding such local conditions nor shall accept any offer conditional to the local factors. No request for any

change of price or extension of time schedule of delivery of goods shall be entertained after purchaser accepts the bid.

**50. Adjudication/Review board:**

Any dispute arising out of or during execution of the contract shall be settled with mutual agreement through an Adjudication/Review Board appointed by the Health & F.W. Department, Govt. of Assam.

**51. Saving clause:**

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

**52. Laws governing the contract & jurisdiction:**

The contract shall be interpreted in accordance with the laws in force in India. All disputes shall be subject to the jurisdiction of appropriate court situated at Guwahati.

**53. Payment Terms:**

**1.Procedure for payment:** The paying authority on production of the following documents shall make 100% Payment.

- a. Invoice in triplicate are to be submitted to the paying authority along with the other documents after completion of the supply.
- b. Stock Entry Certificate is to be obtained in the body of the Invoice in triplicate.
- c. The original Challan Copy.
- d. Test certificates.
- e. Warranty certificates.

**54. The bidder must submit the following documents along with the others as mentioned above in the Technical Bid with their tender:**

- i. Up to date valid VAT registration certificate.
- ii. **Sale Tax clearance Certificate up to date, minimum up to 31 Dec 2011 from Superintendent of Sales Tax.**
- iii. Up to date valid manufacturing license.
- iv. GRN/TIN and PAN.
- v. Literature/catalogue/leaflet in support of the tendered item.
- vi. Up to date dealer/ distributor certificate.
- vii. ISO/GMP and other quality certificate issued from competent authority.
- viii. Declaration on details of manufacturing unit, installed capacity of the item quoted, testing facilities and nearest after sales service facility with details of technical personnel, along with non - conviction certificate/ declaration for the past 3 years. (**Annexure IV**)
- ix. **Last 3 (three) years Turn Over Rs. 5.00 Crores** and Statement for the last 3 financial years i.e. 2008 – 09, 2009-2010 and 2010-11 in the specified format (**Annexure V**) certified by the Auditor/ Chartered Accountant.
- x. Undertaking in the form at **Annexure-VI** confirming acceptance of all terms and conditions of the tender
- xi. An undertaking on fraud and corruption as per **Annexure-VII**.
- xii. Manufacturer Authorization letter as per the format enclosed at **Annexure-VIII**.

- xiii. The bidder shall impart education and training to upgrade the skills of the medical professionals at various levels for which a tentative programme shall be submitted.
- xiv. The bidders shall duly fill in the agreed terms and conditions as per **Annexure IX**.

**55. Additional Terms and Conditions:**

- a. Total monetary value of similar nature of work performed during each of the last three years must be furnished by the bidder which are as follows:
  - i) Experience in works of a similar nature and size for each of the last three years, and details of works underway or contractually committed; and clients who may be contacted for further information on those contracts;
  - ii) Evidence of access to line (s) of credit and availability of other financial Resources facilities (20% of Contract Value), certified by the Bankers (Not more than 3 Months old);
  - iii) Authority to seek references from the Bidder's Bankers;
  - iv) Information regarding any litigation, current or during the last three years in which the Bidder is involved, the parties concerned, and disputed amount;
- c. Bids from Joint ventures are not acceptable.
- d. The bidder must be a profit making one for the last three years.
- e. Information on Bid Capacity (works for which bids have been submitted and works which are yet to be completed) as on date of this bid.
- f. The bidder shall impart education and training to upgrade the skills of the medical professionals at various levels for which a tentative programme shall be submitted.
- g. The bidder shall provide backup services of trained Technical Personnel on 24 hours basis for emergency programming.
- h. Bid shall be type – written and correction, if any, in the bid shall invariably be attested with full signature by the bidder with date, failing which the bid shall be considered ineligible for evaluation. Corrections done with correction fluid shall also be duly attested.

**56. AMC/CMC:**

Bidder shall quote for annual maintenance charges **for** the specified period as shown in the technical specification of each item, after the expiry of the warranty period. This cost will be added to the bid price during evaluation and preparation of the comparative statement. Rate of Comprehensive Maintenance Contract (CMC), i.e. cost of labour plus spares should be quoted separately.

**SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR  
AVAILABILITY OF CREDIT FACILITIES**

**BANK CERTIFICATE**

This is to certify that M/s

.....

..... Is a reputed company with good financial standing.

If the contract for the work, namely .....

.....

..... is awarded to above  
firm, we shall be able to provide overdraft/credit facilities to the extent of Rs.

.....

..... to meet their working capital requirements for executing the  
above during the contract period.

\_\_\_\_\_  
(Signature)

Name of the Bank

Senior Bank manager

Address of the Bank

**Address of the Purchaser/Paying authority:**

**DIRECTOR OF MEDICAL EDUCATION, ASSAM,  
SIXMILE, KHANAPARA, GUWAHATI-781022.  
TELE-FAX NO.:0361-2366236**

**Consignee:**

- i. Principal-cum-Chief Supdt, Gauhati Medical College & Hospital- Guwahati.
- ii. Principal-cum-Chief Supdt, Assam Medical College & Hospital – Dibrugarh.
- iii. Principal-cum-Chief Supdt, Silchar Medical College & Hospital -Silchar.
- iv. Principal-cum-Chief-Supdt, Jorhat Medical college & Hospital, Jorhat
- v. Principal-cum-Chief-Supdt, Fakhruddin Ali Ahmed Medical College & Hospital, Barpeta

**Installation site:** **Gauhati Medical College Hospital, Guwahati.  
Assam Medical College Hospital, Dibrugarh.  
Silchar Medical College Hospital ,Silchar.  
Jorhat Medical College & Hospital, Jorhat.  
Fakhruddin Ali Ahmed Medical College & Hospital, Barpeta**

**Terms of Delivery:** **F.O.R. Destination Gauhati Medical College Hospital,  
Guwahati, Assam Medical College Hospital, Dibrugarh,  
Silchar Medical College Hospital, Silchar, Jorhat Medical  
College & Hospital, Jorhat & Fakhruddin Ali Ahmed Medical  
College, Barpeta Barpeta.**

## Schedule-2

### SCHEDULE OF REQUIREMENT

| Name of the Department . | Brief Description of Goods                                                                                                                                                                                                                                                                                                                                   | Installation site                       | Delivery/Installation/ Commissioning Period                                                       |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Radiology</b>         | 1. Direct Digital Radiography System with Flat-Panel Detector<br>2. High Speed, Heavy Duty Computed Radiography System (CR System)<br>3. 800 mA High Frequency X-Ray Machine with IITV<br>4. 100mA X-Ray Machine portable.<br>5. Portable Ultrasound B & W.<br>6. Digital Color Doppler Ultrasound System.<br>7. Premium High End Colour Doppler USG System. | Medical College & Hospital of the State | Maximum 45 days. However, Bidders may quote earliest delivery/Installation /Commissioning period. |

Note:

1. Bidder must affix court fee stamp (I.P.O in case of Bidders outside the State of Assam) of Rs.8.25 (Rupees eight and paise twenty five only) on the Technical Bid (Original Copy).
2. **Bidder should submit a soft copy (in CD) of Technical Bid (only technical specifications/details of the goods and services proposed to be supplied under contract) to help in preparation of Comparative Statement which should be inserted in the Technical Bid (Original Copy). Any discrepancy between soft and hard copy, the hard copy (printed and signed documents) shall prevail.**
3. All the materials should be well packed to avoid any breakage during transit.
4. The responsibility for providing after sale service would rest on the Principal equipment supplier.
5. The Principal shall be solely responsible for warranty period and maintenance of the equipment even if there is any change in the accredited dealer during the above period.
6. **Bidders shall submit their bids in two parts.**
7. Bid security (EMD) to be furnished in favour of Director of Medical Education, Assam, Sixmile, Khanapara, Guwahati-781022.
8. Bidders shall submit their Performance statement as per Performa along with certificate from the users and copy of the orders for the equipment quoted.
9. **The quantity mentioned is only the tentative requirement and may increase or decrease as per the decision of Tender Inviting Authority. The rates quoted should not vary with the quantum of the order or the destination.**

## **PART-II: SCOPE OF INCIDENTAL SERVICES:**

- A. Installation, Commissioning, Demonstration, on-site training, Performance Supervision of on-site assembly, Start-up of the supplied Goods.
- B. The bidder shall impart education and training to upgrade the skills of the medical professionals at various levels for which a tentative programme shall be submitted.
- C. Detailed Operations and Maintenance Manual for each appropriate unit of the supplied Goods are to be provided by the successful bidder.

## **PART-III: TERMS OF DELIVERY**

**The equipment has to be delivered at the site of the following Institutions:**

- i. Gauhati Medical College & Hospital, Guwahti (GMC&H)
- ii. Assam Medical College& Hospital, Dibrugarh (AMC&H)
- iii. Silchar Medical College& Hospital, Silchar (SMC&H).
- vi. Jorhat Medical College& Hospital, Jorhat (JMC&H).
- vii. Fakhruddin Ali Ahmed Medical College& Hospital, Barpeta (FAAMC&H)

The periodic requirement of each medical college will be directly communicated to the supplier by letter / fax / e-mail / telephone and the same shall be delivered to the indenting authority without any delay.

**Schedule-3**  
**TECHNICAL SPECIFICATION**

**Radiology**

**1) Direct Digital Radiography System with Flat-Panel Detector**

**1. Generator**

- 800 mA or more, with microprocessor controlled high frequency X-Ray generator with power output of 80 KW
- Specify KV and mA range
- Specify exposure time range

For trauma patients the generator should have minimum exposure time.

There should be provision for automatic exposure control.

-Unit must be AERB type approved.

**2. X-Ray Tube**

- Ceiling suspended/Floor mounted U-arm fitted, dual detector.
- Dual focus tube
- Mention size of each focus
- Tube loading should be at least 30 KW for small and at least 80 KW for large focus
- Motorized movement of ceiling suspended tubes
- Mention range of tube movements in vertical, longitudinal and horizontal planes
- Electromagnetic locks collision protection sensor
- Field size programming should be possible

**3. Horizontal Bucky Table**

- Adjustable height floating top compact bucky table with digital flat panel detector.
- Mention range of vertical, horizontal and longitudinal movements of the table.
- Foot switches for – adjusting height, longitudinal/side to side movements, locking, light adjustment.
- Removable grid.
- Automatic exposure control should be available.

**4. Vertical Bucky**

- Counter balanced adjustable height vertical Bucky with digital flat panel detector.
- Detector movement should be synchronized with movement of the X-ray tube.
- Vertical detector system should be tilt table (-150 to + 900) and should travel from 1' to 6 ½' above floor level.
- Automatic exposure control.
- Patient display.

**5. Detector System**

- Digital flat panel detector system.
- Detector type –**Amorphous Selenium**
- Minimum size of detector must be 14"x17"
- Image matrix size 3k X 3k pixels
- Pixels size to be mentioned
- Image resolution should be 3lines pair/mm or more
- Specify picture elements
- Tube assembly movement to be automatically synchronized with the detector movement.
- Should allow centered/de-centered collimation
- Specify refresh cycle (time for second exposure)

**6. Operating Station**

- Should have a high resolution monitor minimum 19" size (TFT) with minimum 1024x1024 or more display matrix and antireflective front screen.

- Operating console should have facility for patient identity entry, viewing and processing images, documentation
  - Specify time for the image to appear on screen after exposure
  - Next exposure should be possible while processing is in progress on the operating station
- 7. Image Viewing and Reporting Station and Documentation**
- Should have high resolution, minimum 19" size (TFT) monitor.
  - Image acquisition matrix should be minimum of 3K x 3K.
  - Image display matrix should be of high resolution, minimum of 1.5 K x 1.5 K.
  - High luminescence display for diagnostic image viewing.
  - Post acquisition image processing, viewing, reprocessing, hard copy documentation and onward transmission should be possible.
  - Should be connected to a Dry chemistry Laser Camera of at least 500 DPI / PPI for documentation. The camera should accept all size films up to 14"x17" size.
  - Long term storage facility.
- 8. Image storage and Transmission**
- Hard disc storage capacity should be minimum of 10,000 images
  - The systems should support storage of images on compact discs/DVD
  - The system should be DICOM 3.0 (or higher version) ready (like send, receive, print, record on CD/DVD, acknowledge etc.) for connectivity to any network, computer/PC etc. in DICOM format.
  - Easy integration and networking should be possible with any other existing/future networking including other modalities, HIS and RIS and PACS
  - A stand alone independent workstation connected with Digital X-ray .It should be capable of performing 2D post processing for all digital X-ray .
  - **Optional requirement in workstation :**  
 Capability of performing 2D/3D post processing for digital X-ray, CT, MRI,PET and DSA images along with image fusion and comparison of multimodality images .The basic application should be available for Digital X-ray reporting, automatic image/study sorting,3D VRT,ROI and MPR.
- 9. Accessories**
- Voltage stabilizer for complete system
  - UPS for the computer with 15 minutes backup
  - Dry chemistry laser camera with at least 500 DPI / PPI resolutions to take all size of films up to 14"x17" size
  - Image viewing and reporting station
  - Minimum necessary furniture and fire extinguisher system.
  - Flicker free Ultra-thin(LCD/TFT) viewing panel :56inchX17 inch
  - Lead glass window(1no)-100cmX120cm
  - Required Lead lining for Entrance Door(two nos)
  - Lead apron-3 nos (.5mm lead equivalent double breast type)
9. a. - Image composition accessory should be available to allow acquisition of whole spine & extremity images.
9. b. - Any other accessory useful for trauma work should be mentioned.
- 10. Installation**
- The cost of alteration and preparation in a specified built in area on turn key basis which will include civil, electrical and air conditioning and maintenance of air conditioning during the warranty period is to be borne by the firm.
  - This work should be done in consultation with the Department of Radiology of Concerned Medical College.
  - Power supply to be clarified.
- 11. Warranty : Warranty 5 (Five) Years . AMC/CMC 5 (Five) Years.**

## 2) High Speed, Heavy Duty Computed Radiography System (CR System) including imaging Plates & High Speed, High Resolution Dry Laser Printer

### Digitizer, Imaging Plate and related Software and Hardware

System should have the ability to process 60 or more numbers of cassettes / imaging plates per hour for the largest size (14 X 17'')

System should be efficient to get the first image transfer on the monitor within 55 sec or less.

Pan Zoom facility of the image directly should be possible while checking the quality of the image and detect patient motion etc.

Image storing /archiving facility for at least 10000 images locally without resources to workstation to allow quick view and quality check. Should have at least 320 GB Hard Disk

System should have touch screen graphical user interface to allow easy use and minimal operator training

For easy selection different preset should be provided for various anatomies

System should have the mechanism to accept exposed cassettes with patient Demographic mode

Should be capable of writing CDs universally and should have all processing facilities like rotate, crop, zoom, annotations etc.

System should provide TRUE Printing facility for direct measurement for orthopaedics work

System should have software security like user names and password to prevent unauthorized operation

System should provide free text to be applied to the image for easy documentation

Supplier should have their service centre inside the State concerned for prompt service, provide details of service center(s) address (es) along with Service Engineer's details. List of Installations of equivalent models/systems in the State concerned.

Screen size of the console should be at least 17'' size of LCD, Medical Grade Monitor

Should have broad range of application like General Radiography, Mammography, Orthopedic and Dental

Automatic Cassette identification through barcode reader

The equipment should have IP Cassettes of size 8'' X 10'', 10'' X 12'' and 14'' X 17''.

The No. of cassettes required will depend on institutional demand.

**The price is of each size cassette to be quoted separately in the price –bid, including prices of Memmography Cassette .**

### Dry Laser Imager/Printer

Camera/Printer should have inbuilt quality control like densitometer to ensure consistency in print.

It should be able to print at least 5 sizes films

8X10 inch, 10X12 inch, 11X14 inch, 14X14 inch, 14X 17 inch and should have at least 3 trays online and any size film can be loaded in any drawer for uninterrupted printing of all sizes.

Pixel Size should 100 microns or less.

Camera/Printer should be capable of loading at least 300 films or more at a time. High density camera for quality output- quote density.

It should have minimum resolution 500 ppi/dpi or more.

Camera should be DICOM ready  
Bit depth of the printer should be at least 14 bits.

## 2. SOFTWARE

The system should include the following software application as standard:

- i. Full leg / full spine image processing
- ii. Quality control software
- iii. Software for printing on any DICOM printer and to print user defined formats and layouts. (multiple images on film, true size printing etc)
- iv. Software for storing images on any DICOM 3 (or newer versions) compliant stations.
- v. Should have built in image processing software

### **Optional:**

- i. Software masking of the collimation areas
- ii. Special attention should be placed on pediatric and mammography applications.

3. The CR system should have compatibility of upgradeability of PACS.

4. The CR system should have a separate online UPS compatible with the unit, to take care of power failure, for at least 15 minutes back up for the whole system.

5. The C.R. system should have software security features like user names and password to prevent unauthorized operation.

The company should provide demonstration of the quoted equipment and final technical approval will be based on satisfactory demonstration.

**Warranty : Warranty 3 (Three) Years . AMC/CMC 5 (Five) Years.**

## **3) 800 mA High Frequency X-Ray Machine with IITV**

### **Technical Specification:**

The high power R/F system should have a High Frequency inverter type generator & remote controlled diagnostic table. The Unit should be over table tube system compact and occupy minimum space. The unit must be AERB type Approved.

### **System Configuration:**

1. 80 kW Generator, Remote controlled R/F Table
2. 12" Image Intensifier, Multi Leaf collimator with auto collimation.
3. High capacity X Ray tube
  - A. X-ray High Voltage Generator
    - 80kW High voltage generator with inverter frequency of not less than 50 kHz. Maximum output: 80kW(800ma @100kv)
    - Radiographic kV range: 40 - 150kV at 1kV step
    - Radiographic mA range: 10 – 800 mA at 12.5% steps
    - Radiographic mAs range: 0.5 – 800 mAs at 12.5% steps
    - Anatomical program memory–user programmable
    - LED readout for exposure parameter display.
    - Microprocessor controlled with automatic exposure control.
    - Automatic setting of optimal digital radiography parameters from fluoroscopy parameters ( kV, mAs)
  - B. R/F Table

- Remote controlled operation of table movement
- Table tilt: + 90 deg ~ - 25 deg
- Lateral movement of table top: Not less than 22 cm
- Table should be Motorized Elevating type for easy patient access
- Longitudinal movement: Not less than 800 mm. Movement of imaging unit is preferred for patient safety.
- Oblique tilt Motorized and remote operated +/- 30deg With 1.5 FFD Extension
- Cassette / Film size: 8 x 10 inch ~ 14 x 17 inch.
- Exposure programs: Up to 4 on 1 should be possible on Cassette Spot Film L 3 on 1 for 14 X 17 and 12 X 10 should be possible.
- Rapid spot filming should be possible. Multi Cassette Size Spot Film Device, X Ray Grid: 12:1, 60 lines/cm
- Remote console with integrated Table Control and Monitor mount
- Table side controls for controlling the table movements

**C. Image Intensifier & Camera**

- Input field:12" ,Resolution: Not less than 45 lp/cm
- Contrast ratio: Not less than 30:1
- CCD camera 400K or better with Last Image Hold
- Desk combined with console,
- 15" or more Monochrome LCD Medical Grade

**D. X Ray Tube High Speed Rotating anode tube of 9000 rpm or better**

- Anode heat capacity – not less than 400 KHU
- Focal spot size – Small focus - not more than 0.6mm
- Large focus - not more than 1.2 mm
- Short term rating - 36 kW / 80 kW or better
- HT cable pair 18 mtrs or more

**E. Accessories:** - For Local Operation Use - LCD Colour monitor 15", with Monitor cart & Foot switch for examination room.

- Sub-divisional (up-down) spot (SFD), G.I. Examination kit (Compression cone (flat & triangle) & Barium cup holder), Compression band, Auxiliary tabletop,

Interphone: Bedside: Microphone, Remote console: Microphone, Partition wall with lead window Glass - 1000 x 800 mm ,

**F.** The System should be upgradeable to Digital and DSA in future.

**Warranty : Warranty 3 (Three) Years . AMC/CMC 5 (Five) Years.**

**4) 100 mA Mobile X-Ray Machine**

|                       |                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Out put Rating</b> | 8KW as per ISI:7620 (Part 1)                                                                                                                                     |
| <b>(Radiography)</b>  | 100 mA at 45 to 100 KVP<br>50 mA at 45 to 100 KVP<br>25 mA at 45 to 100 KVP                                                                                      |
| <b>KVP Range</b>      | 45 to 100 -120 KVp in Steps of 5 KVP/Step                                                                                                                        |
| <b>Timer</b>          | Solid State Electronic Timer with timing range from 0.04 to 8 Sec. in 24 steps                                                                                   |
| <b>Control Panel</b>  | Attractively and Ergonomically designed control panel having Digital display of mAs, KVP and Radiographic mA.<br>Independent Voltmeter to indicate line voltage. |

mA meter, Voltage compensator- and Fine to coarse to compensate provided. Booster transformer is provided in control panel for stabilization of filament voltage.  
Tech. Selector for selection of Rad mA, KVP Selector from 45 to 100 KVP, Bucky selector switch to be provided.

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Safety Features</b> | Automatic trip off overload circuit breaker<br><br>Electronic overload protection with simultaneous protection from high input voltage /KVP/mA/Time provided.<br><br>Fuses for all circuits provided in the machine                                                                                                                                                                                                                                |
| <b>Tube Head</b>       | Self contained Tube Head containing Stationary Anode X-Ray Tube. Compact Heavy Duty Full Wave Rectified H.T. Transformer, Filament transformer and High Voltage Silicon Rectifiers etc. All Oil emerged and hermetically sealed. Tube Head can be tilted 360 degree with full flexibility for use in operation theatres and in ward for bedside Radiography.                                                                                       |
| <b>Tube Stands</b>     | Mobile stand with 4 wheel design, which ensures easy Mobility Counter Balance (MCB) and steering. Counter Balanced articulated tube carriage allowing smooth movements of the tube head in vertical and horizontal plane. Lead lined cassette storage box. Double steel Rope for counter balancing gives additional safety as per ISI-7620. Large castor nylon wheels for easy mobility stand is designed for maximum maneuverability of the unit. |
| <b>Power Supply</b>    | 10 KVA, 230-440 Volts AC 3 Phase supply, maximum allowable line regulation $\pm 10\%$ with Line Resistance of 0.4 Ohms as per IS: 7620(1).                                                                                                                                                                                                                                                                                                         |
| <b>Note</b>            | AERB type approval of the tube is must<br>Local/ Technical backup system within the step<br>Good Performance Report.                                                                                                                                                                                                                                                                                                                               |

**Warranty : Warranty 2 (Two) Years . AMC/CMC 3 (Three) Years.**

### **5) Portable Ultrasound B & W**

- Portable ultrasound machine with digital beam former.
- Scanning mode: convex
- Display mode: b mode, m mode ,b+b and b+m
- Monitor screen should be 12"X 15" high resolution non interlace flicker free monitor latest technology
- Display depth: 25 cm max
- Magnification: 8 steps
- Facility for image zoom, image reverse, image freeze and image magnification, reduction
- Alphanumeric keyboard for character entry and character display
- Gynecology measurement facility for uterus, cervix, special probe for gynecology to be provided
- All Obstetrical measurement facility.
- 3/ 3.5 MHz convex probe.
- 5-6 MHz Multi frequency Endo Cavitory probe.
- Black and white thermal printer with at least 10 no. Rolls, mobile stand.
- 2 probe connector USB port with 128 frame cinelooop facility.

**Warranty : Warranty 2 (Two) Years . AMC/CMC 3 (Three) Years**

## 6) Specification of Digital Color Doppler Ultrasound System

- System shall provide all-digital broadband technology using all digital time delay circuits, implemented using ASICs. There shall be no analog delay line components employed in the construction of beam former.
- System should have minimum 1024 digitally processed channels for simultaneous formation, acquisition and delay processing of multiple ultrasound beams.
- The system must use a Frequency (Fusion Compounding) Compounding Technique whereby a broad bandwidth of digital signals are broken down into multiple sub-bands and processed in parallel before being “fused” into a single image to reduce speckle noise and optimize tissue contrast, while retaining spatial and contrast resolution.
- System should have 2D, M-Mode, Color Flow, PW, CW, Steerable CW and Directional Color Power Angio Facility, one button optimization for 2D and Doppler modes, Auto Doppler Calculation taking the entire sample acquired.
- System should have minimum 230 frames per second.
- The system should be capable of supporting the Extreme Resolution adaptive image processing technique that performs analysis at the pixel level.
- The system should support **broadband** Phased Array, Linear Array and Convex Array transducer technologies.
- Slide pot TGC & **gain optimization in the lateral walls(LGC)** with pre-defined curves.
- Triplex Imaging.
- 17” High Resolution non-interlaced LCD monitor with articulating arm & tilt & swivel facility.
- System should have maximum scanning depth of 30 cm.
- System should at least **230 dB** full times input dynamic range.
- System should have cine loop image review up to 1000 frames and should have dual loop facility for simultaneous full screen left & right display.
- System should provide a technique that automatically maintains optimal angle to flow and assists in delivering accurate and consistent Doppler velocity measurements.
- System should be a new generation ergonomically designed to curb minimum injury to the sonographer / physician with keyboard platform moveable (up/down).
- Simultaneous real time display Angio/Color Doppler and Gray scale images side by side.
- System should support Tissue Harmonic Imaging facility in Phased Array, Convex Array, Linear Array.
- Linear Array should have extended field of view on side of the linear array.
- System should have minimum **3 active transducer connectors**
- Online Help function and system manual accessible via dedicated “Help” key on the control panel.
- System should have more than 200-gigabyte hard drive.
- On-board Image Management – should have facility to (A) direct digital storage of single B/W and Color image to internal hard disk and compact disk (B) direct digital storage of B/W and Color loops to internal hard disk and compact disk and (C) print patient reports & images directly on plain paper printer thru USB connector.
- Full functional measurement facility and calculation should be possible.
- Suitable UPS & Colour Inkjet Printer for direct printing to be quoted along with the system.

### Following Transducer to be quoted as standard:

- 2-5 MHz Broadband Curved Array Transducer with Tissue Harmonic Imaging for General Abdominal, Obstetrics & Gynaecology imaging.

- 4-8 MHz Broadband Curved Array Transducer with Tissue Harmonic Imaging for Trans-vaginal & Trans-rectal imaging.

**Warranty : Warranty 5 (Five) Years . AMC/CMC 5 (Five) Years**

## **7) Specifications for Premium High End Colour Doppler System :**

- The system should be latest and state of the art with fully digital technology equipment to incorporate the facility of 2D, M-Mode, CDI, PW, CW- Doppler, Power Doppler, directional power angio, (Contrast Imaging), Real time 3-D(4-D), Imaging for abdomen, obstetrics & Gynae, Cerebro-vascular, peripheral vascular, adult trans-cranial & superficial parts imaging like breast, scrotum, thyroid, musculoskeletal exam etc. and Cardiac **(optional)**
- 1 **Digital technology:** It should be fully digital technology with digital beam former and should have more than 20,000 digitally processed channels. Technical data sheet should be enclosed in technical bid to support the number of digitally processed channels on the system.
  - 2 **Monitor** should be at least 19 inch flat LCD display colour monitor.
  - 3 **Probe Ports:** System should have at-least three universal active probe ports with electronic switching facility from the keyboard without probe adapter.
  - 4 **Operating Modes** B-Modes B-mode, M-Mode, B/M Mode, Doppler Mode, Colour Flow, Power Doppler, DCA/DPA, Contrast imaging, B/Colour flow, PW, CW Doppler, Real-time 3D (4D imaging), Elastography Imaging. All should be available as standard.
  - 5 **Transducer:** Electronic Broad band transducers:
    - i) Convex Probe 2 - 5 MHz
    - ii) Linear probe 5-12 MHz
    - iii) Endo- Cavitory 4 - 8 Mhz. Volume 4-D endo-cavitory probe with biopsy guide attachment is to be provided.
    - iv) Transducer 2-6 MHz for 4D applications
    - v) Broadband Linear Array transducer 5-12 MHz for Cardiac & Musculoskeletal Application.
  - 6 **Frequency range:** System should support broad band probes spanning a frequency of 2-12 MHz
  - 7 **B mode & B colour** simultaneous should be available side by side real time display of B-Mode & Colour flow. Digital zoom facility for region of interest in real time and frozen images.
  - 8 **Grey Sheds:** System should have 256 gray shades.
  - 9 **Image storage facility** on in build hard disk or MOD/CD/DVD-RW/USB facility should be available. In built hard disk should have the capacity of 200 GB or more. System should have extensive image management capability including thumb nail review, cineloop editing etc.
  - 10 **Cine loop as well as cine scroll facility** in B Mode with storage of 800 or more images should be available. Cineloop frames should also be available for abdominal contrast applications
  - 11 **Auto trace & automatic Doppler calculations** should be available in live or frozen images. System should have high precision beam steered spatial image compounding for acquisition of more tissue image information and reduction of angle generated artifacts. It should have up to 9 beam-steered lines of sight. This should be demonstrated in convex, linear and endocavity probes.
  - 12 **Advanced measurements & calculation package** for abdominal, obst./gynae, urology & vascular, cardiac applications should be available.
  - 13 **Scanning Depth:** Should be capable of Scanning in a standard depth.
  - 14 **Frame Rate:** System should have an acquisition frame rate in 2D of 500 frames/second. Acquisition frame rate should be clearly mentioned in the technical quote.

- 15 **Dynamic Range:** System should have a very high dynamic range of at least 170 dB to pick up subtle echoes.
- 16 **THI:** System should have THI & should be able to work in combined mode of harmonic imaging and real time compound imaging to get excellent image quality. The system shall offer Tissue Harmonic Imaging in Power Doppler imaging mode for improved sensitivity and specificity in differentiating blood/against from tissue
- 17 **Contrast Harmonic Imaging:** System should have contrast Harmonic Imaging and should have optimization settings to detect the Contrast Agents. Please Specify other advanced technologies to perform better contrast harmonic imaging.
- 18 **Harmonic imaging for Tissues:** The System should have Harmonic Imaging for Tissues for hard to Image patients. The System shall support Tissue Harmonic Imaging capability on Phased, Linear,3D and curved array transducers. Tissue Harmonic Imaging should be available in colour flow imaging, M-Mode, and 3D rendering Modes.
- 19 **Noise and Artifact reduction:** The system should have adaptive Image Processing for noise and artifacts reduction that improves tissue conspicuity and artifact reduction. Technologies like Xres, SRI (Speckle Reduction Imaging) can be offered.
- 20 **Selectable Field of View** from 20-90 degrees for sector probe. PW/ Colour Tissue Doppler Imaging Should be standard on the System. PW/CW Doppler facility in all imaging Phased Array Sector Transducers.
- 21 **Independently Selectable Gain Control** in both Axial & Lateral Plane with control keys.
- 22 **Automatic Real time & frozen tracing** of instantaneous peak velocity & instantaneous mean velocity ( or frequency) should be available. Triplex imaging should be standard on the system.
- 23 **PW Velocity range** up to 12.5 KHz & more than 15 KHz with HPRF option at 0 degree cursor angle preferably. Should provided capability to change 2D functions like overall gain, Dynamic range and Colour functions like Gain, Baseline, Colour Map, and invert or a reviewed Image.
- 24 **Control Panel:** Angle correction in real time & frozen mode should be available. Should have single button control for automatic optimization and adjustment of TGC and receiver gain to achieve optimal uniformity of image quality and faster scans. The automatic optimization should be offered in colour imaging too. Control panel should be capable of being raised, lowered and rotated.
- 25 **System should also have incorporated the following features:**
- i) Real time 3D in grey scale, fusion mode ( colour/power & B/W). STIC capability for fetal Echocardiography.
  - ii) Real time 3D colour image package with volume 4D convex probe for real time 3D imaging with frequency range of 3-5 MHz
  - iii) Volume 4D endo-cavitary probe with biopsy guide attachment is to be provided
  - iv) Panaromic imaging and extended field of view imaging.
  - v) Intima- media thickness (IMT) measurement and report should be available for calculation of maximum IMT & mean IMT.
  - vi) Multislice/ i-slice/TUI imaging should be there.
  - vii) Elastography Imaging
  - viii) Advanced cardiac calculation packages
- 26 **Frame rate:** The system should offer a very high frame rate up to 500 frames per second. The system shall be able to perform mechanical 4D acquisitions at 30 volumes per second and electronic live volume imaging up to 90 volumes per second. Please specify in details in this regards.
- 27 **Operation of Machine:** Machine should operate on single phase 220 V, 50Hz. Abdominal Contrast imaging should be standard on the system. Abdominal probe should be capable of contrast imaging and please confirm this on the technical bid. Should have Low Mechanical Index (MI) and flesh Modes and start / stop timer.
- 28 **Computer:** One PC with suitable configuration (with hard disk capacity 200 GB or more) is to be supplied for image transfer and DICOM ready.
- 29 **One Online UPS of** suitable KVA with in-built battery for the whole system with at least 15 minutes back-up.

- 30 **Black and White thermal** printer of latest model and of standard make.
- 31 **Biopsy guide** compatible with linear probe and convex probe. At least 10 biopsy needle sets to be supplied.
- 32 **Elastography:** System should be quoted along with Elastography Imaging as standard.
- 33 **Transducers support:** The System should support Convex, Linear, Sector, Volume, Matrix Array and static transducers. It should support volume imaging by freehand, mechanical, and electronic methods. The system should support the real time acquisition and display of two image planes. The system shall allow for a reference plane and second plane that can be laterally tilted, elevation tilted or rotated with respect to the reference plane.
- 34 **DICOM ready:** The system should be DICOM ready System and should have capability of HIS and RIS connectivity and should also be connected to the dry chemistry printer available in the department (CR/DR system /CT/MRI/Mammography). It should provide advanced DICOM connectivity to an enterprise data management system or PACS with advanced DICOM features: DICOM Store, Modality work list, Performed Procedure Step and Structured Reporting. Please specify the advance DICOM features available on the quoted system.
- 35 **Key Board:** System should have a full Alfa numeric key board with illuminated key and status display System should have Fully Articulating Control Panel including Height, swivel & slide adjustments.
- 36 **Display:** The system shall support simultaneous display of volume and multi planer reconstructed (MPR) views. The system should have the in-built software tool for imaging MPR, Thick Slice, and slice plane views. The system shall support full screen display of all 3D views including individual X,Y,Z MPR views and simultaneous display of thumbnail views on the same system display monitor. Full Trim capability must be supported: Oblique and Linear trimming in the MPRs; Freehand trimming of the volume.
- 37 **Training :** Onsite training of the radiologist for the equipment for at least 7days by application specialist and also to provide short term training to the radiologist in a well recognized centre in contrast imaging, US guided interventions and imaging of women and pregnancy.

### **Warranty : Warranty 5 (Five) Years . AMC/CMC 5 (Five) Years**

The following instructions are same for all above items as required-

#### **Instruction to the supplier :**

- The tender should be in **two bids**. Technical and price bid should be provided in separate sealed covers.
- All the information in the tender document must be supported by product data sheets (original copy). All information asked must be provided under heading with proper indexing **Incomplete and haphazard information will not be accepted and bid is liable to be cancelled.**
- The supplier must ensure the availability of expertise service and maintenance at the Place of Installation of machine. Uninterrupted availability of spare parts and repair of next ten years must be assured. List of spares with price to be provided.
- Original product data sheets must be provided.
- Training should be provided for two technicians in an established centre.
- Mention the number (with addresses and phone numbers) of installations of quoted unit in India.
- **All the information to be submitted along with a CD/DVD or Pen Drive softcopy.**

## **Schedule-4**

### **Annexure-I**

#### **PROFORMA FOR PERFORMANCE STATEMENT**

(For the period of last three years)

IFB No. :

Date of opening:

Time :

Name and address of the bidder:

Name and address of the manufacturer:

| Order placed by (full address of Purchaser with phone number) | Order number and date | Description and quantity of ordered goods and services with the warranty period for similar nature of works. | Value of Order* (Rs.) | Date of completion of Contract |        | Remarks indicating reasons for delay if any | Have the goods been functioning Satisfactorily (attach documentary proof) |
|---------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------|--------|---------------------------------------------|---------------------------------------------------------------------------|
|                                                               |                       |                                                                                                              |                       | As per contract                | Actual |                                             |                                                                           |
|                                                               |                       |                                                                                                              |                       |                                |        |                                             |                                                                           |
|                                                               |                       |                                                                                                              |                       |                                |        |                                             |                                                                           |
|                                                               |                       |                                                                                                              |                       |                                |        |                                             |                                                                           |
|                                                               |                       |                                                                                                              |                       |                                |        |                                             |                                                                           |

Signature and seal of the bidder

\* Value including all taxes.

**Annexure-II**

**BID FORM AND PRICE SCHEDULES**

IFB No.

Date

To  
The Governor of Assam  
Through the Director of Medical Education, Assam,  
Sixmile, Khanapara, Guwahati-22.

Gentlemen,

Having examined the bidding documents the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver (description of goods and services) in conformity with the said bidding documents for the sum of (total bid amount in words and figures) or such other sums as may be ascertained in accordance with the schedule of prices attached herewith and made part of this bid.

We undertake, if our bid is accepted, to commence delivery within (number) days and to complete delivery of all the items specified in the contract and to perform all the incidental services within (number) days calculated from the date of your notification of award.

If our bid is accepted, we will obtain the guarantee of a bank in a sum not exceeding 5 (Five) percent of the contract price for the due Performance of the contract.

We agree to abide by this bid for a period 365 days from the date of opening of the bid (please specify the calculated date) and it shall remain bidding up on us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this.....day of ....

Signature  
(in the capacity of)

Duly authorized to sign tender for and on behalf of .....

**Annexure-III**

**PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN  
ORIGIN LOCATED WITHIN INDIA**

| Sl. No. | Item Description | Country of Origin | Quantity | Price per unit                                            |                          |                          |                           |                                    |                                                 | Unit Price Including Ex-cise Duty [a+b+c + d+e+f] | Total Price Including Excise Duty 4x6 | Sales and other Taxes/duties Payable, if Contract is awarded |
|---------|------------------|-------------------|----------|-----------------------------------------------------------|--------------------------|--------------------------|---------------------------|------------------------------------|-------------------------------------------------|---------------------------------------------------|---------------------------------------|--------------------------------------------------------------|
|         |                  |                   |          | Ex-factory/ Ex-warehouse/ Ex-show-room/ Off-the shelf (a) | Excise Duty (if any) (b) | Packing and Forwarding © | Inland Transportation (d) | Insurance and Incidental costs (e) | Incidental Services (including supervision) (f) |                                                   |                                       |                                                              |
| 1       | 2                | 3                 | 4        | 5                                                         |                          |                          |                           |                                    |                                                 | 6                                                 | 7                                     | 8                                                            |
|         |                  |                   |          |                                                           |                          |                          |                           |                                    |                                                 |                                                   |                                       |                                                              |

Total bid price in Rupees:  
In words:

Signature of bidder  
Name  
Business Address

Place:                      Date:

**NOTE:**

- (i) In case of discrepancy between unit price and total price, the unit price shall prevail.

**Annexure – IV**

**DECLARATION  
On  
Manufacturing facilities / After Sales Service**

**Tender enquiry No.** \_\_\_\_\_

For supply of \_\_\_\_\_

1. Name of the bidder :
2. Full Postal Address :
3. Telephone No./Fax No. :
4. Email address :
5. Date of inception of business :
6. Registration no. & Date :
7. Issued by :
8. Valid till :
9. Details of manufacturing activity & item wise capacity :
10. Detail of After Sales Service facilities available locally:-  
  
Name of the Agency :  
  
Full Postal Address :  
  
Phone / Fax / E-mail :

11. Name of person responsible for 10 above

| Sl. no. | Name | Designation | Age | Residential Address |
|---------|------|-------------|-----|---------------------|
|---------|------|-------------|-----|---------------------|

12. Has the bidder ever been black listed by any govt. agency? If yes, give details.
13. Has any cases pending in the court related to any supplies? If yes, give details.

i. Does the firm have the adequate facilities for

inspection and quality control? Please give details.

I, \_\_\_\_\_ Prop./partner/Director of M/s

\_\_\_\_\_

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

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

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

Dated:

Signature\_\_\_\_\_

Name of the bidder\_\_\_\_\_

Address\_\_\_\_\_

\_\_\_\_\_

**ANNEXURE-V**

**ANNUAL TURN OVER STATEMENT**

The Annual Turnover of M/s \_\_\_\_\_ for the past three years and concurrent commitment for the current financial year are given below and certified that the statement is true and correct.

---

| Sl.No. | Year | Turnover in Lakhs (Rs) |
|--------|------|------------------------|
|--------|------|------------------------|

---

|    |         |   |
|----|---------|---|
| 1. | 2008-09 | - |
| 2. | 2009-10 | - |
| 3. | 2010-11 | - |

---

Total -Rs. \_\_\_\_\_ Lakhs.

---

Average turnover per annum - Rs. \_\_\_\_\_ Lakhs.

Date:  
Seal:

Signature of Auditor/  
Chartered Accountant  
(Name in Capital)

## Annexure-VI

### UNDERTAKING

To  
The Governor of Assam  
Through the Director of Medical Education, Assam,  
Sixmile, Khanapara, Guwahati-781022.

IFB NO. \_\_\_\_\_

Sir,

1. I, Shri \_\_\_\_\_, on behalf of M/s \_\_\_\_\_ having registered office at \_\_\_\_\_, do hereby declare that I have gone through the terms and conditions mentioned for the above and undertake to comply with all tender terms and conditions. The rates quoted by me/us are valid and binding on me/us for acceptance for a period of one year from the date of award of contract to us.
2. I/We undersigned hereby bind myself/ourselves to the purchaser to supply all the offered equipment. The rates quoted by me/us for the items tendered for are specified against each. It is certified that rates quoted are lowest quoted for any institution in India and not higher than the **MRP/ prevailing market rate**.
3. The articles shall be strictly as per specification and of the best quality as per requirement of the institution. The decision of the Office of The Director of Medical Education, Assam (hereinafter called the said Director) as regards to the quality and specification of article shall be final and binding on me/us.
4. We undertake to provide back up services of Trained Technical Personnel on round-the-clock basis for emergency problem.
5. We undertake and confirm that the equipment shall be covered by our standard warranty as shown in the requirement. In case of any defect reported, the defective part shall be replaced.
6. We shall organize technical seminars / workshops at various locations within the State to impart education and training to the medical professionals as and when requested by the purchaser.
7. We agree to the conditions of the tender under which the EARNEST MONEY DEPOSIT and PERFORMANCE SECURITY DEPOSIT shall be forfeited by us.
8. We agree to accept the amount of the bill to be paid by the purchaser after completion of all codal formalities and should any amount of the bill found by the purchaser/auditors to have been over-paid; the amount so found shall be refunded by me/us.

9. We hereby undertake to supply the items during the validity of the tender as per direction given in supply order within the stipulated period.
10. We understand all the terms and conditions of the contract and bind myself/ourselves to abide by them.
11. We hereby declare that there is no vigilance/anti-corruption or court case pending against us at the moment.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF  
THE FIRM :

SEAL :

**ANNEXURE-VII**

**UNDERTAKING  
ON  
FRAUD AND CORRUPTION**

We M/s ..... Do hereby undertake that, in competing for (and, if the award is made to us, in executing) the subject contract for supply of Equipment under tender reference no. .... Dt ..... We shall strictly observe the laws against fraud and corruption in force in the country.

Sd/-

Signature of proprietor/Partner/Director

Designation:\_\_\_\_\_

Seal:

**Annexure-VIII**

**MANUFACTURERS' AUTHORISATION FORM**

To,

The Director of Medical Education, Assam,  
Sixmile, Khanapara, Guwahati-781022.

Dear Sir,

IFB No. \_\_\_\_\_

We ....., who are established and reputable manufacturers of ....., having factories at .....and....., hereby authorize Messrs. ....(name and address of agents) to bid, negotiate and conclude the contract with you against IFB No.....for the above goods manufactured by us.

No company or firm or individual other than Messrs.....are authorized to tender negotiate and conclude the contract in regard to this business against this specific IFB as also for all business in the entire territory of India.

An agency commission of .....% included in the gross ex-works price is payable to Messrs. ....

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

Our other responsibilities include:

- (i).....
  - (ii).....
- (here specify in detail manufacturer 's responsibilities)

The services to be rendered by Messrs. ....are as under:

- (i).....
  - (ii).....
- (here specify the services to be rendered by the agent).

Yours faithfully,  
(name)

For and on behalf of Messrs.....(name of manufacturer)

NOTE: This letter of authorization should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer. **A copy of notarized power of attorney should also be furnished.**

## ANNEXURE-IX

### AGREED TERMS & CONDITIONS

IFB No. \_\_\_\_\_

A. Details of Bidder

Bidder

Offer Ref

Contact Person:

Telephone No.

Signature:

Fax No.

E-mail:

B. Definitions

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

**NOTE: The questionnaire below must be duly filled in and should be enclosed with the bid. Clauses confirmed here under should not be repeated. All commercial terms and conditions should be indicated in this format. If necessary, details including deviations to the terms and conditions of the bid document, if any, should be enclosed as annexure to this questionnaire. Clauses not applicable or not relevant may be marked NA.**

| Sl. No. | Description                                                                                               | <u>Vendor's Confirmation</u><br>(Confirmed/Noted/Deviation/<br>furnished separately) |
|---------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|         | <b>C. Technical</b>                                                                                       |                                                                                      |
| 1.      | Confirm that you meet the eligibility criteria as per bid document and have furnished relevant documents. |                                                                                      |
| 2.      | Confirm acceptance of Technical Specification And scope of supply as per Tender Document.                 |                                                                                      |
| 3.      | In case of deviations, confirm that the same have been highlighted separately.                            |                                                                                      |
| 4.      | Confirm that equipment catalogue and technical data, wherever applicable, have been enclosed.             |                                                                                      |
| 5.      | Confirm that all certificates/ deviations furnished.                                                      |                                                                                      |
| 6.      | Confirm that Earnest Money Deposited (EMD) as per bid document, for each schedule quoted,                 |                                                                                      |

|     |                                                                                                                                                                                                                                                  |  |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|     | enclosed.                                                                                                                                                                                                                                        |  |
|     | <b>D. Commercial</b>                                                                                                                                                                                                                             |  |
| 1.  | It is noted that any deviations to the commercial terms and conditions shall lead to loading of prices or rejection of offer.                                                                                                                    |  |
| 2.  | Confirm that the quoted prices are on duly installed and commissioned at site basis including packing & forwarding (P & F) all duties and taxes viz. Excise Duty, Sales Tax/VAT, freight, insurance, installation & commissioning at site.       |  |
| 3.  | Confirm furnishing of detail price break-up of each item showing all components of cost separately with basic price of equipment and other costs on %age of basic price to arrive at landed price in D2 above.                                   |  |
| 4.  | It is noted that the statutory variations in taxes and duties within the Contractual delivery period shall be borne by the purchaser.                                                                                                            |  |
| 5.  | If there is any variation or fresh imposition of Excise Duty at the time of supply due to various reasons, including turn-over, confirm that the same shall be borne by you.                                                                     |  |
| 6.  | It 5 above is not acceptable, advise maximum possible rate of ED chargeable, which shall be loaded to you price.                                                                                                                                 |  |
| 7.  | Confirm that in case of delay on you account any new or additional duties and taxes imposed after the contractual delivery date shall be to you account. This will be in addition to Price Reduction for Delay in Delivery.                      |  |
| 8.  | Confirm acceptance of Price Reduction Schedule for delay in Delivery @ 0.5% of delayed value of goods per week of delay or part thereof subject to maximum of 10% of the total order of value.                                                   |  |
| 9.  | Indicate Firm Delivery Period, which shall be counted from the date of placement of order and date of commissioning and acceptance of the installed equipment by purchaser's representative shall be considered as the delivery completion date. |  |
| 10. | Confirm acceptance of relevant payment terms specified in the bid document.                                                                                                                                                                      |  |
| 11. | Force Majeure—Delivery period, price reduction termination etc are subject Force Majeure Condition as stipulated in the bid document.                                                                                                            |  |
| 12. | Confirm that the quoted prices shall remain firm & fixed till complete execution of the order.                                                                                                                                                   |  |
| 13. | a) In case you are a manufacturer confirm that the prices quoted are not higher in any respect than quoted / agreed prices to any Govt. or Public Medical Institution.<br><br>b) In case you are a dealer/ distributor /                         |  |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|     | authorized agent, confirm that the prices quoted are as per manufacturer's price list with appropriated discount (Copy of Price list to be enclosed).                                                                                                                                                                                                                                                                                                                                                                            |  |
| 14. | a) Confirm that all inspection & testing charges including 3 <sup>rd</sup> party inspection (if required) included in the price.<br>b) Quality Control Reports and Test Certificates, whenever applicable, shall be handed over to the purchaser along with the equipment.                                                                                                                                                                                                                                                       |  |
| 15. | a) Confirm that erection, commissioning, trial run and handing over to the purchaser, after successful commissioning is your responsibility at no extra cost.<br>b) Specify facilities (if any), like water supply/ electric power to be provided by the purchaser for commissioning of the equipment.                                                                                                                                                                                                                           |  |
| 16. | Packing / forwarding, transportation, loading/unloading and insurance are your responsibility.<br>However, to protect the equipment from physical damages and/or deterioration due to weather during transit, you are to ensure proper packing & lifting arrangement. Pl confirm compliance.                                                                                                                                                                                                                                     |  |
| 17. | The material / equipment shall be guaranteed against any and all defects in design, workmanship, material & performance for a period shown in the Technical specification, from the date of commissioning and handing over to the purchaser. Should any defect detected or develop during the guarantee period, it shall be remedied promptly free of cost by the supplier and all expenses including transportation of goods necessitated for such repair and replacement shall be done by the supplier. Pl confirm acceptance. |  |
| 18. | Confirm that Performance Bank Guarantee shall be furnished for 5% of the total order value valid till guarantee period of the goods.                                                                                                                                                                                                                                                                                                                                                                                             |  |
| 19. | Confirm acceptance of Part order.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| 20. | Confirm acceptance of Repeat order within 12 months from the date of basic order at same price and terms & conditions.                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 21. | It is noted that the purchaser would disown any responsibility / liability toward irregularity, contravention or infringement of any statutory regulations including those of patent, on manufacture or supply of goods covered by the order.                                                                                                                                                                                                                                                                                    |  |
| 22. | Terms & Conditions indicated in this format shall not be repeated in the bid. Terms & Condition                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |

|     |                                                                                                                                                                                                             |  |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|     | indicated elsewhere and contradicting those in this format shall be ignored. Confirm compliance.                                                                                                            |  |
| 23. | Confirm that you shall observe the highest standard of ethics during bidding and in case favoured with an order, during execution of the order, without resorting to any fraud, corruption and/or coercion. |  |
| 24. | Confirm that the offer shall be valid for a period of 365 days from the date of bid opening.                                                                                                                |  |

**Annexure-X**

**EMD (BID SECURITY) FORM (BANK GUARANTEE)**

Whereas.....[name of bidder] (hereinafter called “the bidder”) has submitted his tender dated .....(date)for the supply of.....(hereinafter called “the bid”).

**KNOW ALL MEN by these presents that we ..... of .....having registered office at ..... (hereinafter called “the bank”) are bound up to the Governor of Assam(hereinafter call “the purchaser”) in the sum of ..... for which payment well and truly to be, made to the said purchaser, the bank binds itself, its successors and assigns by these presents.**

Sealed with the common seal of the said bank this ..... day of ....., 2010.

The conditions of this obligation are:

1. If the bidder withdraws its bid during the period of bid validity specified by the bidder on the bid form or
2. If the bidder, having been notified of the acceptance of its bid by the purchaser during the period of bid validity.
  - (a) fails or refuses to execute the contract form, if required or;
  - (b) fails or refuses to furnish the Performance Security, in accordance with the clauses of the tender.

We undertake to pay to the purchaser up to the above amount upon receipt of its first written demand, without the purchaser having to substantiate its demand, provided that in its demand the purchaser will note that the amount claimed by it, is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 90 (Ninety) days after the period of bid validity or as it may be extended by the purchaser, notice of which extension(s) to the bank is hereby waived and any demand in respect thereof should reach the bank not later than the above date.

Signature of the bank

Seal

Date.....

Place.....

Witness.....

.....

(signature, name and address)

**Annexure-XI**

**PERFORMANCE SECURITY FORM (BANK GUARANTEE)**

To  
The Governor of Assam

Whereas.....  
(name and address of the supplier) (hereinafter called “the supplier”) has undertaken, in pursuance of contract No.....dated.....2010 to supply (description of goods and services (hereinafter called “the contract”).

And whereas it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a recognized bank for the sum specified therein as security for compliance with its obligations in accordance with the contract.

And whereas we have agreed to give the supplier such a bank guarantee.

Now therefore we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of .....(amount of the guarantee in words and figures), such sum being payable in the types and proportions of currencies in which the contract price is payable, and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

**This guarantee shall be valid** for the entire period of warranty from the date of completion of order.

Place and Date

Signature and seal of the guarantor

**Annexure-XII**

**CONTRACT FORM**

**(To be stamped as an agreement in the court stamp paper valued Rs. 200/-)**

This agreement made the .....day of..... 2012 between the Governor of Assam (hereinafter “the purchaser”) of the one part and (name of supplier) of (address, city and country of supplier) (hereinafter “the supplier”) of the other part.

Whereas the purchaser is desirous that certain goods and ancillary services, viz. (brief description of goods and services) and has accepted a bid by the supplier for supply of those goods and services in the sum of (contract price in words and figures) (hereinafter “the contract price”).

Now this Agreement witnesses as follows:

01.The following documents shall be deemed to form and be read and construed as part of this agreement, viz.:

- (a) the Technical Specifications,
- (b) the Terms and Conditions of the Tender Document
- (c) the Supplier’s bid and original Price Schedules and
- (d) the Purchaser’s Notification of Award

02. In consideration of the payments to be made by the purchaser to the supplier as hereinafter mentioned, the supplier hereby covenants with the purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the contract.

03.The purchaser hereby covenants to pay the supplier in consideration of the provision of the goods and services and the remedying of defects therein, the contract price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract. Brief particulars of the goods and services which shall be supplied/provided by the supplier are as under:

| SL. No. | Brief description Of goods/services | Quantity to be supplied | Unit price | Delivery terms (FOB/CIF/FOR etc) |
|---------|-------------------------------------|-------------------------|------------|----------------------------------|
|         |                                     |                         |            |                                  |
|         |                                     |                         |            |                                  |

Total value:

Delivery schedule:

In witness whereof the parties hereto have caused this agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed and delivered by the said..... (For the purchaser)  
in the presence of .....

Signed, sealed and delivered by the said ..... (For the supplier)  
in the presence of.....