

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 datedagainst the receipt of Rs.3000/- (Rupees Three 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 -1-2012

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

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 Department	Name of Items	EMD (Bid Security)	Tender Fee
Micro Biology	1. - 80°C Deepfreeze. 2. Bio safety Cabinet -Class II B2. 3. Biological Safety Cabinet Class II, Type A2 4. Ultra Pure Water Purification System. 5. Gradient PCR (Thermal Cycler). 6. Blood Bank Refrigerators. 7. Blood Component Separator. 8. Refrigerated Table Top Centrifuge. 9. GEL Documentation system. 10. Rapid Automated Immunoassay Analyzer. 11. Horizontal Electrophoresis System. 12. Universal Power Supply 13. Double Beam U/V Spectrophotometer. 14. Microscope with CCD Camera.	Rs.2,00,000/-	Rs. 3,000/-

- Bidding documents are available for sale at this office during the office hours on all working days from **27-1-2012** 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) and NRHM, Assam (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, Sixmile, 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':

- a) Cost of inland transportation and other costs within India incidental to delivery of the goods to their final destination at consignee's site,
- b) delivery schedule offered in the bid,
- c) deviations in payment schedule from that specified under clause 49.
- d) the cost of guarantee/warranty and
- e) the Performance and productivity of the equipment offered.

28. Pursuant to clause 27, following evaluation methods will be followed:

a) **Inland transportation, insurance and incidentals:**

Bidder shall quote separately for inland transportation, insurance and other incidentals for delivery of goods to the site.

b) **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.**
- ii. Up to date valid manufacturing license.
- iii. GRN/TIN and PAN.
- iv. Literature/catalogue/leaflet in support of the tendered item.
- v. Up to date dealer/ distributor certificate.
- vi. ISO/GMP and other quality certificate issued from competent authority.
- vii. 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**)
- viii. **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.
- ix. Undertaking in the form at **Annexure-VI** confirming acceptance of all terms and conditions of the tender
- x. An undertaking on fraud and corruption as per **Annexure-VII**.
- xi. Manufacturer Authorization letter as per the format enclosed at **Annexure-VIII**.
- xii. 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.
- xiii. 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, FAA 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.
FAA Medical College & Hospital, Barpeta.**

Terms of Delivery:

F.O.R. Destination Gauhati Medical College Hospital, Guwahati, Assam Medical College Hospital, Dibrugarh and Silchar Medical College Hospital ,Silchar, Jorhat Medical College & Hospital, Jorhat. & FAA Medical College Hospital Barpeta.

Schedule-2
SCHEDULE OF REQUIREMENT

Tender Identification Code No.	Brief Description of Goods	Installation site	Delivery/Installation/Commissioning Period
Micro Biology- 01	1. - 80°C Deepfreeze. 2. Bio safety Cabinet -Class II B2. 3. Biological Safety Cabinet Class II, Type A2 4. Ultra Pure Water Purification System. 5. Gradient PCR (Thermal Cycler). 6. Blood Bank Refrigerators. 7. Blood Component Separator. 8. Refrigerated Table Top Centrifuge. 9. GEL Documentation system. 10. Rapid Automated Immunoassay Analyzer. 11. Horizontal Electrophoresis System. 12. Universal Power Supply 13. Double Beam U/V Spectrophotometer. 14. Microscope with CCD Camera.	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- Guwahti (GMC)
- ii. Assam Medical College- Dibrugarh (AMC)
- iii. Silchar Medical College-Silchar (SMC).
- vi. Jorhat Medical College & Hospital, Jorhat (JMC).
- vii. Barpeta Medical College & Hospital, Barpeta.

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

1: - 80°C Deepfreeze.

1. The freezer must be constructed using 1" thick vacuum panel insulation in conjunction with environmentally-friendly water blown foam
2. Door Gasket must provide 7 independent insulation zones along with 4 points of contact to ensure sample security.
3. Freezer shall be painted with high-impact, scratch resistant powder coat finished interior and exterior to ensure long term viability and maximum interior temperature uniformity.
4. The perimeter heater to reduce condensation shall be on the door side not on the cabinet side to limit heat introduction into the sample storage area.
5. The thermal break shall be made of plastic to limit heat leakage into the cabinet
6. Door latch allows one-handed opening and closing. Handle must include door key lock as well as pad lock provision for added security.
7. Freezer shall have four internal storage compartments with polystyrene insulated inner doors to ensure sample security. Inner doors should have no latches or external magnets and must be removable for easy cleaning without the use of tools.
8. Freezer shall have a heated pressure equalization port allows rapid re-entry to cabinet.
9. Freezer shall have two, 1 inch access ports as standard
10. Freezer shall have a RS485 output, Dry Contacts and 4-20 mA output for remote monitoring purposes.
11. Freezer the door must open at least 180 degrees for easy sample access.
12. Capacity must be at least 40,000 or more numbers of 2 ml vials.
13. Hands-free locking option. Magnetic card access control for enhanced security.
14. On-board computer records who opened the door, when it occurred and for how long.
15. Freezer shall allow for set-point security control that blocks specific users from changing freezer set point or alarms through the use of a user name and password control. Unit shall allow for up to 150 users.
16. Freezer shall have an energy savings operation mode that can be activated by the user without affecting power to the freezer.
17. Freezer shall have an on-board data logger that allows for a minimum of 3G of data storage
18. Freezer shall record all door openings and log the time the door was open and door was closed.
19. Data must be available from the display for a minimum of 10 days. Data must also be downloadable via a USB port.
20. Power management system shall show incoming line voltage indicate low or high line voltage and provide voltage correction of up to +/- 10% of rating. Line voltage should be logged for a period of up to 15 years and be downloadable via a USB. port.
21. Freezer shall log all power interruptions and provide audio and visual notifications.
22. Freezer shall have adjustable power recovery time delay that allows user to set a time delay between 0.1 and 30 minutes after power failure.
23. Freezer shall have an adjustable extreme ambient alarm to protect against unsafe ambient operating conditions. Ambient alarm shall have a visual and audible notification when active.
24. Freezer shall have a graphic display of temperature in the form of a graph that is

adjustable for a period of 2, 4 or 6 hours.

2: Bio safety Cabinet Class II B2

1. System should meet Class II, B2 classification
2. System should have a working opening of minimum 4ft.
3. The cabinet must conform to the following regulations and standards: NSF International - Standard 49 for Biohazard Cabinetry and Electromagnetic Compatibility Directive: 89/336/EEC (230V, 50Hz models only).
4. The downflow motor must automatically adjust the airflow speed without the use of a damper to ensure continuous safe working conditions, even without maintenance adjustments.
5. The microprocessor must display the inflow and down flow air velocities in real-time on an LED display to ensure the user knows whether or not the cabinet is working under safe operating conditions.
6. The front window must be a 8" sash opening and be made of ¼ " tempered safety glass to ensure no sharp edges to the glass in case of accidental breakage. The front window must have no obstruction or protrusion that will interfere with user visibility.
7. All interior and exterior parts must be smooth to ensure no risk of cuts to users or maintenance personnel.
8. The front of the cabinet must be angled 10° to help minimize glare on the window to the user, and to ensure that the user's posture is comfortable during a working session. Inadequate user ergonomics in a safety cabinet may lead to excessive fatigue, unsafe working habits and harmful consequences to user safety or product contamination.
9. The cabinet noise level must be less than 65 dB(A) for a 4 foot cabinet as measured in a sound proof room 12 inches in front of the cabinet and 15 inches above the work surface.
10. The microprocessor controller must be convenient located on a display inside the cabinet chamber so that it is easy to see from a seated working position in front of the cabinet.
11. The biological safety cabinet should preferably use of a brush less DC motor for energy saving.
12. In order to provide maximum effectiveness, efficiency and safety to laboratory personnel, UV light must be programmable to allow for specific exposure times from 0 to 24 hours. The UV light should automatic shut off to enhance life of the UV light bulbs.
13. The cabinet must be outfitted with two electrical duplex outlets (non-GFI). The duplex outlets must be located on both sides of the cabinet interior rear wall (right and left) for easy access by the user without interfering with the user working process.

3. Biological Safety Cabinet Class II, Type A2

Make : Imported

- Smart flow: Maintains a safe working environment.
- Digital Airflow Verification (DAVe): Validates product and personal protection.

- Night-set-back mode: Saves energy while maintaining a clean work area.

Dimensions:

- Exterior Dimensions H xWxD inches(mm): 61.8x51.2x31.5(1568x1300x800)
- Interior Dimensions H xWxD inches(mm): 30.7x47.2x18.3(780x1200x465)
- Working Height of Front Window inches(mm): 10(254)
- Maximum Opening Height of Front Window inches(mm): 21(535)
- Shipping Dimensions H xWx D inches(mm): 68.1x55.5x36.4(1730x1410x925)

Ventilation System:

- Exhaust/Inflow Air volume CFM(m³/h): 342(582)
- Heat Emission:
- Heat Emission at 25deg.C Ambient BTU/hr (kW):683(0.2)

Filter Specification:

- Supply/ Exhaust Air Filter: H14 HEPA EN 1822 99.995% at the most penetrating particle size (mini -pleated).

Performance:

- Certification: NSF/ANSI 49, UL
- Sound Pressure Level dB(A): 63
- Lighting Power (fc): >120

Electrical Data:

- Electrical Requirements : 230V,50/60Hz
- Power consumption, Operating Set Point(kW):0.2 Current consumption (Amps):1.2Branch Circuit Protection: T 15 Amp fuse or class B !5 Amp circuit breaker is
- Required The local electrical regulations in the country use as well as the relevant connection condition must be observed.

Supply Management:

- Receptacles: The receptacle have a load capacity of up to 5A and are protected with T5A fuses. When all receptacles are in use simultaneously they must not exceed the maximum total load capacity of 5A.

Features:

Access Ports 0.94" (24mm)diameter: 6(3 on each side) Service Valves: Up to 6 (installed through side wall access ports) Receptacles (Rear wall): Single right side.

4:: Ultra Pure Water Purification System.

1. Produces up to 15 L /day of ultra pure water that exceeds Type 1 water specifications as per ASTM* D1193, ISO 3696 and CLSI-CLRW.
2. Continuous water recirculation between reservoir, cartridges and UV lamp ensures consistent availability of highest purity water.
3. Microprocessor-controlled purity monitor provides a digital reading as the water exits the system.
4. Monitor alerts user to vital information including membrane performance and when to replace consumables.
5. 6.5L non contaminating internal reservoir incorporates air filter to prevent stored water contamination.
6. Quiet pump provides optimal flow rates and silent operation.

7. Integral low-water and low-pressure pump protection ensures pump safety in the event there is insufficient water during storage
8. Feedwater Pressure: 30 to 100psig (2 to 6.9 bar)
9. Inlet Water Temperature: 4 to 40°C (40 to 104°F)
10. Permeate performance at 15°C: 6Uhour
11. Flowrate: 0.6Umin.
12. Resistivity: 18.2 MW-cm at 25°C
13. Total Organic Carbon: 1 to 5ppb
14. Particle content: < 1
15. Bacteria: <1CFU/mL
16. UV,UF should be Internal
17. Endotoxines: < 0.005EU/ml
18. Dimensions: (400Dx 305Wx 545H mm)

Compliance: ASTM D1193, ISO 3696 and CLSI-CLRW

Certification: CE, CSA

5: Gradient PCR (Thermal Cycler)

1. System should be licensed and authorized for PCR Application.
2. Universal block with capacity 96 x 0.2 ml, single tubes, 8-tube strips and 96 well plate.
3. Gradient block with selectable temperature gradient from 1°C to 30°C.
4. Simple programming, gradient function, adjustable ramp rate, time and temperature increment, incubation mode, link function, pause function.
5. Should have interchangeable block option for the up-gradation to 384 well PCR or dual 48.48 blocks.
6. Option for auto restart in the event of power failure.
7. Peltier based heating and cooling;
8. Temperature control range between 4° to 99.9 ° C and a gradient range of upto 30° C.
9. Thermal Accuracy should be ± 0.3° C.
10. Thermal Uniformity should be ± 0.4° C at 90° C.
11. Ramping rate of heating and cooling ± 3° C/s or more.
12. Should have manually adjustable heated lid with Over-tightening protection system.
13. No. of programs of 4950 on stand-alone system
14. Maximum no. of cycles 99.

6: Blood Bank Refrigerators

1. Adjustable temperature control, range +1 °C to+8°C, factory pre-set to+4°C .
2. Icon-based controls and displays include graphic references for universal operations.
3. Set point security with key-operated triple-position master switch controls power to all systems for added safety
4. Audible/visual warnings for over-temperature and power failure, with visual status reports on critical functions
5. Alarm set points pre-set to warn of temperature deviation at +5.5°C over

temperature and +1.5°C under temperature

6. Graphic thermometer confirms proper operation at-a- glance, shows normal, high or low temperature condition; steady green for' normal, flashing top bar for over temperature, flashing bulb for under temperature
7. Advanced defrost sensor manages the defrost cycle , minimizing trace
8. amounts of frost build-up to maintain" refrigeration coil efficiency
9. Enlarged digital display, resolution to within 0.1 °C, improves visibility
10. Battery backup assures control panel function during power failure
11. Extra-long alarm probe lead allows manual testing and verification
12. Remote alarm contacts are included on all models
13. Blood Bag Capacity Cu Ft/L :- 29.2/826 (360)
 - a. Dual-pane glass viewing door(s) insulated to prevent condensation (optional on REB-404)
 - b. High-density CFC-free urethane foam insulated protects cabinet from ambient temperature fluctuations and minimizes operating costs.
 - c. Positive, forced-air circulation to maintain temperature uniformity at all drawer levels.
 - d. Directional air flow assures quick recovery after door openings.
14. Built-in 6"(152mm), 7-day circular chart recorder standard (optional free-standing recorder on REB-404
15. Heavy duty, industrial -grade, hermetically sealed compressors.
16. Automatic defrost for optimum cooling capacity.
17. Automatic condensate removal; no drain lines required
18. Access port, 2"(50 mm) diameter, with cover [standard 1"(25 mm) port for REB-404]
19. Stainless steel interior and exterior surfaces
20. 2" (50 mm) casters
21. Heated glass doors and door swing variations available on most models
22. Finished countertop for REB-404.

7:: Blood Component Separator

1. Max. RCF: 15 000 X g.
2. Max. Speed: 10.000 rpm or more, adjustable at 10 rpm increments, Speed Accuracy +/-10 RPM.
3. Max. Volume: **4x1900ml, Wind shielded** swing-out rotor with 4 buckets for altogether 8 units of quadruple blood bags. Should accommodate eight 350ml and 450ml quadruple blood bag system with SAGM bag and empty satellite bags.
4. Drive unit: Maintenance free brushless induction drive.
5. Operation: Automatic programming sequence controlled by microprocessor.
6. Programmed memory: 9 + 1 Pre temp centrifugation programs.
7. Safety of operation: Lid-lock, imbalance detection, steel-armored chamber, protection of over heating of rotor and compressor, All error messages with audible alarm.

8. Protection of data: In event of power interruption or complete failure, data should remain stored.
9. Ace./ Deceleration: 9 acceleration / 9 deceleration profiles.
10. Centrifugal time: 3 digits, in hr and min, range 1 min - 99 hr operation.
11. Preliminary running time: 3digit, adjustable 0 - 99 hr for the period before starting. Temperature: 2 digits, adjustable in 1° intervals, Accuracy +/- 2°C.
12. Temp. Control range: -9°C to +40°C.
13. Min. temp .at max. ref: 1°C, with fully loaded rotor with 8 Quadruple bags.
14. Interference display: Program error, imbalance, lid open, internal interference.

8: Refrigerated Table Top Centrifuge

1. The Centrifuge should have a feature to install and remove rotor without tool in less than 5 seconds with just a push of a button for quick and easy change of rotors for different applications.
2. The centrifuge must be able to display both air/chamber temperature as well as temperature in the sample.
3. Dual Timer mode- At Start and at Speed
4. Temperature Set Range: -10°C to + 40 °C.
5. Maximum RPM: 15000 rpm & maximum RCF is 25830 X g.
6. The centrifuge must have an option for automatic lid opening at the end of the run.
7. The centrifuge must have capability of password protection for the programs.
8. The centrifuge must have capability of password protection for lid opening.
9. The centrifuge must be able to display set parameters together with actual values, and parameters must be readable at a distance of at least 5 meters.
10. The centrifuge must have a minimum of 5 "direct recall" program keys, and capability for up to 99 programs.
11. The centrifuge must be CE, CSA and UL certified for safety containment.
12. The angle rotors must be manufactured from a highly corrosion and fatigue resistant Carbon Fiber material. The Fixed Angle Carbon Fiber rotors should be warranted for at least 12 to 15 years.
13. The centrifuge must be capable of running a minimum of 6 x100 ml PP screw Cap Bottole ml at speeds of at least 24446xg in a Fixed Angle Rotor.
14. The centrifuge must be capable of running a minimum of 6 x 15 ml Conical Tube at speeds of at least 24446xg. in a Fixed Angle Rotor.
15. The centrifuge must be capable of running a minimum of 6 microplates of standard footprint and height; the rotor must offer the possibility to accommodate the microplates in removable sealed containers, certified for biocontainment.
16. The centrifuge must have a sealed swing-out rotor capable of spinning samples above 7000 xg.
17. The centrifuge must be supplied with Fixed Angle Carbon Fiber Rotor capable of running a minimum of 48 x 2 ml microtubes at speeds of at least 25000 x g.

18. The centrifuge must be capable of running a minimum of 48 x 2 ml disposable micro tubes at speeds of at least 25000 x g in certified sealed conditions.
19. Freezer shall have a screen auto off selection that allows the screen to darken between the hours of 9pm and 6am.
20. Freezer shall have a graphical indication of operating status as well as a redundant LED light.
21. Freezer shall display temperature of evaporator inlet, evaporator outlet, heat exchanger, first stage suction, second state suction, second stage sump, liquid line and condenser air inlet. This display shall display in a graphical as well as pictorial view to allow for diagnostic troubleshooting.
22. Freezer shall record events in an event log viewable on the freezer display. This log shall include the event type, date and time. Event log data shall be downloadable via a USB port and viewable in standard programs such as MS Excel
23. Freezer shall notify customer to perform preventative maintenance tasks including filter change and backup battery test.
24. Freezer must recognize if line voltage and frequency does not match freezer specification and alert user.
25. Freezer shall control temperature to within an average peak variation from set point of +5.6°C /- 6.4°C at a -8OC set point in an empty freezer. Supplier must provide test data verify freezer performance.
26. Empty freezer shall recover from door opening to -75°C set point in under 39 minutes. Supplier must provide test data verify freezer performance.
27. Freezer shall use only CFC-Free, commercially available refrigerants are used:
 - i. R404a in First Stage; R508b/R290 in the Second Stage.
28. Freezer refrigeration system shall incorporate a brazed plate heat exchanger. Heat exchanger shall be placed in a thermal box in the deck of the freezer to optimize freezer storage capacity.
29. Induction brazing shall be used on refrigeration connections to minimize leaks
30. Refrigeration system shall contain a liquid line/suction line heat exchanger to ensure freezer temperature stability.
31. Freezer must be built to and contain the registration mark for UL, CUL, and CE standards for safety and performance.

9:: GEL Documentation system

1. High-resolution reflex camera (Image System Felix 1000)
2. Gel Documentation System with 10 Pixel Camera
3. Filter (EtBr or optional)
4. Professional acquisition software biostep argusX1 for the control of the camera.
5. Dark hood DH-20 with white top-light
6. UV transilluminator UST-20M-8E
7. CMOS-Sensor (22.2 x 14.8mm)
8. Resolution: 10.1Mpixel (3888 x 2592)
9. Grayscale: 8Bit (256)
10. Colors: 24Bit (16.7E6)
11. Sensitivity factor: Standard
12. USB 2.0 port to control via argusX1
13. Weight: about 450g (incl system objective)

14. 8 x 8W tubes of 312nm
15. 20 x 20cm filter size
16. With intensity switch 50/100%
17. Footprint (W x D) 32.5 x 32cm
18. Dimmable white top-light by LEDs
19. Automatic UV cutoff when opening the door
20. Preparative function enables observation of gels under UV light
21. Control panel for white top-light, transilluminator, preparative functions.
22. Optionally upgradeable with filter slider and UV protection shield.

10:: Rapid Automated Immunoassay Analyzer

1. Must have more than 10 positions for testing.
2. System must have zero carry-over between samples and reagents
3. System must be a bench top analyzer with inbuilt printer
4. Technical support must be provided by principle organization.
5. Must supply following kits
 - a. T3,T4, TSH, LH, FSH, Prolactin
 - b. Tumour markers
 - c. HIV, Hepatitis markers
 - d. Rotavirus
 - e. Chlamydia
 - f. Procalcitonin, NTproBNP
 - g. D-Dimer Exclusion test
 - h. Varicella zoster IgG
 - i. TORC panel
6. System should be based on ELFA- Enzyme linked fluorescent assay.
7. It should come with concept of single dose entry where reagents for single tests are present in form of a single strip and a SPR.
8. It should be able to process 6 different samples at one time.
9. Kits should be in denomination of 30 and 60 tests kits.
10. Should be able to run even single test at a time.
11. Should require recalibration only after 14 days not before that.
12. Controls and calibrators should be part of the kit and should not be charged extra.
13. Should have installation base more than 500 machines in India

11. Horizontal Electrophoresis System

- Gel size: 6 x 7.5 cm
- Max. sample capacity: 32
- Buffer volume: 325 ml
- 2 comb slots
- In-tank casting without the need of tape
- additional gels can be casted externally including: UV-transparent gel casting tray, 2 combs (1 mm thick, 8 samples), coloured loading strips
- Ideal for a fast routine electrophoresis
- UV-tray

- Typical voltage: 100 V
- Typical current: 75 mA

12. Universal Power Supply

- Max. power 150 W ,max. Voltage 300V current 700mA
- Microprocessor controlled
- Constant voltage or current
- Program storage up to 10 methods
- Alarm at the end of program
- LED display
- Timer 1 – 999 min
- 4 parallel outputs
- Auto cut-off function
- No load detect
- Stackable
- Dimensions: 19 x 27.5 x 9.5 cm

13. Double Beam U/V Spectrophotometer

- Optical Design: Dual Beam, Czerny Turner Monochromatic
- Spectral Bandwidth (SBW): Fixed 1.6 nm (-0.3 to +0.2 nm tolerance) Resolution (Toluene in hexane): > 1.5
- Light Source: Deuterium 190 – 400 nm
Tungsten 340 – 1100 nm
- Detectors: Matched dual silicon photodiode detectors
- Scan Ordinate Modes: %T, Abs, Energy

Wavelength

- Range: 190 – 1100 nm
- Accuracy: ± 0.8 nm at 656.1 nm and 486.0 nm
- Repeatability: ± 0.1 nm at 656.1 nm, Standard deviation of 10 scans
- Slew Speed: 1900 nm/min
- Scanning Speeds: 10 – 1800 nm/min, user selectable
- Maximum Data Resolution: 0.1 nm

Photometric

- Range: -0.1 to 200 %T; -0.1 to 2.5 Abs
- Accuracy: ± 0.005 Abs at 1A with NBS 930 standard filter
- Noise : < 0.0004 Abs RMS, 500 nm
- Drift: ± 0.0007 A/hr after 2 hrs of warm up
- Stray Light: > 2.0 Abs at 198 nm with KCl
- Baseline Flatness: < 0.0015A, 200 – 800 nm
- Dimensions: (W x D x H) 60 cm x 51 cm x 25 cm (23.6" x 20" x 9.8")
- Weight: 40 kg

Spectrum Processing:

- Online spectrum plotting.
- Spectrum overlay of up to 99 spectra.
- Spectrum saving and retrieving facility to from hard disk.
- Spectrum Manipulations including Addition, Subtraction, Multiplication and Division between any two-channel spectra.

Kinetics:

- Absorbance changes are measured at regular intervals of time, while the reaction curve is displayed on screen. Then, the rate of change of Abs. (Abs/min) during the above period is obtained by the least square method using up to 20 points. The activity value (Abs. Rate multiplied by FACTOR) is displayed on Screen. Export report to Excel or Text form.

14. Microscope with CCD Camera

Microscope :

Optical system UIS2 (Universal Infinity-corrected) optical system

Illumination Built-in transmitted Koehler illuminator

6V30W halogen bulb

100-120V/220-240Vg 0.85/0.45A 50/60Hz

Focusing :

- Stage height movement by roller guide (rack & pinion)
- Stroke per rotation: 36.8mm
- Full stroke range: 25mm
- Upper limit stopped by simplified pre-focusing dial
- Tension adjustment on coarse focus adjustment knob

Revolving nosepiece : Fixed quadruple nosepiece with inward tilt

Observation tube :

Type : Trinocular

Field : 20

Tube inclination : 30°

Interpupillary distance adjustment range : 48 – 75mm

Light path selector : None (BI 50%, Video/Photo 50% fixed)

Stage

Size :188(W) X134(D)mm

Movement range :76mm X-direction X 50mm Y-direction

Specimen holder :Double slide holder

Rubber grip: Equipped as standard

Condenser

Type : Abbe condenser, with built-in daylight filter

N.A.: 1.25 with oil immersion

Aperture iris diaphragm : Built-in

Dimensions & weight : 233(W) X 411(H) X 367.5(D)mm, approximately 8kg (approximately 17.6 lb.)

Objectives, Plan Achromat

PLCN	Numerical Aperture (N.A.)	Working Distance (W.D.)
4X	0.10	18.5mm
10X	0.25	10.6mm
40X	0.65	0.6mm
100X	○ 1.25	0.13mm

Eyepiece

10X (Trinocular) **Field Number (F.N.)**
20

Compatible CCD Attachment :

High quality 1/2" 3.3 mega pixel color CCD camera
Pixel pitch: 3.45 x 3.45 μm
Resolution up to 2048x1536 Pixel
Binning modes 2x2, 3x3, 4x4 in full color
1.6 μs to 17.9min in 1 μs increments exposure/ integration control
Peltier thermoelectric **cooling to -10 degrees below ambient**
10 bits digital output
30 fps full field of view
IEEE 1394 Firewire digital interface

Software to be included :

Real time image preview and capture; independent control of preview and capture provides maximum flexibility.
Advanced color management; built-in ICC color profiling for QImaging cameras provides superior color imaging; color correction algorithms ensure accurate, true color imaging
Background and darkfield correction, Time-lapse sequences
Auto exposure, auto white balance, auto contrast (dynamic and manual controls)
Full control over all camera features, including: Binning for increased sensitivity, ROI for increased image capture speed and image
RGB color filter support for QImaging monochrome cameras, External triggering, Exposure, gain, and EM gain controls, Image annotation
Calibrate images to perform linear measurements
Create and edit image sequences, image sequences, Gamma correction, Live histogram
Line, circle, or free-form histogram profiles, Filters for image enhancement
Color merging for fluorescence imaging, Line profiles; surface plots,
Measurement capabilities, Image processing
QCapture provides easy control of advanced functions such as pixel binning, ROI (region of interest) selections, gain, offset, white balance, auto-exposure and contrast enhancement. Supplied with QCapture are plug-ins for Adobe Photoshop® NIH ImageJ and a TWAIN compliant interface

Warranty : 2 years

CMC: 3 years

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,
Sixthmile, 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-showroom/ 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
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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

Telephone No.

Fax No.

Contact Person:

Signature:

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> (Confirmed/Noted/Deviation/ furnished separately)
	C. Technical	
1.	Confirm that you meet the eligibility criteria as per bid document and have furnished relevant documents.	
2.	Confirm acceptance of Technical Specification And scope of supply as per Tender Document.	
3.	In case of deviations, confirm that the same have been highlighted separately.	
4.	Confirm that 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.	
	D. Commercial	
1.	It is noted that any deviations to the commercial terms and conditions shall lead to loading of prices or rejection of offer.	
2.	Confirm that the quoted 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.	<p>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.</p> <p>b) In case you are a dealer/ distributor / authorized agent, confirm that the prices quoted are as per manufacturer's price list with</p>	

	appropriated discount (Copy of Price list to be enclosed).	
14.	<p>a) Confirm that all inspection & testing charges including 3rd party inspection (if required) included in the price.</p> <p>b) Quality Control Reports and Test Certificates, whenever applicable, shall be handed over to the purchaser along with the equipment.</p>	
15.	<p>a) Confirm that erection, commissioning, trial run and handing over to the purchaser, after successful commissioning is your responsibility at no extra cost.</p> <p>b) Specify facilities (if any), like water supply/ electric power to be provided by the purchaser for commissioning of the equipment.</p>	
16.	<p>Packing / forwarding, transportation, loading/ unloading and insurance are your responsibility.</p> <p>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.</p>	
17.	<p>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.</p>	
18.	<p>Confirm that Performance Bank Guarantee shall be furnished for 5% of the total order value valid till guarantee period of the goods.</p>	
19.	<p>Confirm acceptance of Part order.</p>	
20.	<p>Confirm acceptance of Repeat order within 12 months from the date of basic order at same price and terms & conditions.</p>	
21.	<p>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.</p>	
22.	<p>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.</p>	
23.	<p>Confirm that you shall observe the highest standard of ethics during bidding and in case</p>	

	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 ofhaving 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 theday 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.....