

**RAJENDRA MEMORIAL RESEARCH INSTITUTE OF MEDICAL SCIENCES**  
**(INDIAN COUNCIL OF MEDICAL RESEARCH)**  
**AGAM KUAN, PATNA – 800 007.**

Tender Notice No./Store/SATDRC/06/2016-2017

Dated:30/08/2016

**TENDER NOTICE FOR THE EQUIPMENT H.P.L.C.**

Sealed Tenders/Bids (in two bid system i.e. Technical bids and Price bids) are invited for the purchase of Scientific Equipment “High Pressure Liquid Chromatography” for the institute.

Interested Manufactures/Reputed suppliers/Registered firms having VAT/Sales Tax/Income Tax No. etc may submit their Tender/ bid latest by 03-10-2016 at 05.00 PM. through Registered / Speed post, etc addressed to the Director, RMRIMS (ICMR), Agamkuan, Patna-800 007.

Tender document for the above equipment can be obtained from the office of undersigned by depositing Rs. 2000=00 or may be downloaded from the institute’s website. The tender document cost and E.M.D. of Rs 48,000=00 with technical bid must be submitted in form of Demand Draft in favour of Director, RMRIMS, Patna payable at Patna. The information are available at institute’s website: [www.rmrim.org.in](http://www.rmrim.org.in).

**Administrative Officer**

**RAJENDRA MEMORIAL RESEARCH INSTITUTE OF MEDICAL SCIENCES**  
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**TERMS & CONDITIONS**

1. EMD in the form of Demand Draft, in favour of Director, RMRIMS, Patna payable at SBI, Agamkuan, Patna (code-07878) from any scheduled bank, EMD in any other form will not be acceptable. **The EMD must be enclosed with Technical Bid.**
2. Tender evaluation will be done in two stages. i.e. (i) Technical bid (ii) Price bid. Each bid to be submitted in separate sealed envelopes super scribed as Technical bid & Price bid.
3. The Technical bids will be opened on 05-10-2016 at 03:00 PM in the Institute premises. Tenderers/Bidders/or their representatives may present on the day of Tender opening date.
4. Financial bid of technically qualified parties will be opened in presence of parties after evaluation of technical bid so it will be informed to successful technical bidders on telephonically or through E-mail.
5. Technical bid should contain :-
  - (a) Name of items with specification, makes/ brands of the items and model No.
  - (b) Literature & Catalogues in support of the item quoted must be enclosed. **(Original Brochure)**
  - (c) Performance certificate of equipment will be preferred.
  - (d) Current authorisation letter i.e. a valid letter of authorisation from the principal manufacturer.
  - (e) Attested photocopy of valid license for stockist and distributorship as applicable should be provided.
  - (f) **The EMD in form of Bank Draft must be enclosed with Technical Bid.**
6. Price bid should contain:-
  - (a) Should be submitted in a separate sealed envelope super scribing the word “Price bid” mentioning tender enquiry number and date.
  - (b) The rates quoted should be inclusive of Excise Duty and exclusive of VAT/ Sales Tax and Other incidental charges. The rates of VAT/ sales tax (State & Central) chargeable may however, be given separately. No VAT/ Sales tax or other charges will be payable if not mentioned in the tender or not applicable under the relevant laws. For imported items the quoted rate should be on **FOB basis**.
  - (c) Bidder will quote firm rates. No condition like discount in price, free goods/ incentives will be accepted towards finalization of the tenders. Rates should be according to a unit.
  - (d) While quoting rates, enquiry no. of the tender must be indicated and rates should be quoted.

7. The tender documents should be typed. Any cutting/ overwriting must be signed by the tenderer otherwise the rates in r/o that particular item may not be considered.
8. Each and every page of the tender must be numbered and signed by the tenderer along with seal of the firm.
9. Security Deposit:- If bidder is awarded purchase order letter, The bidder should submit Bank Guarantee from a nationalized bank of 10% of the cost of the Equipments/Instruments indemnifying the RMRIMS against all losses incurred by the RMRIMS during the guarantee period i.e. 24 months from the date of installation.
10. The bidder should clearly indicate the guarantee/ warranty status of each item i.e. main equipment, standard accessories, optional etc. (Consumables/Non-consumable items etc.). Current rate list of all replacements must be submitted in the price bid.
11. **Guarantee/ Warranty: The bidder will give a comprehensive warranty of trouble free functioning of 36 months including spares. After 36 months the firm will provide maintenance services free of cost for another 24 months and institute will pay only for spares and accessories. After 5 years, the firm has to provide AMC for a minimum period of five years with an undertaking even if the manufacturer/company is sold/transferred/merged with another company and the service will not be interrupted. This undertaking has to be submitted after satisfactory installation alongwith the bills. Firms violating the warranty/guarantee clause are liable for proceeding of black-listing.**
12. THE RATES QUOTED WILL BE TAKEN AS FIRM AND FINAL.
13. The tenderer are bound to supply the store during the validity of tender at the approved rates.
14. The firms may be asked to deliver the goods in instalments/ fixed interval against the order of the full year. In case firm fails to deliver the particular instalments at its scheduled time, this office reserves the right to procure the item in the open market and the excess expenditure incurred will have be borne by the company.

**15. EXCLUSIVE RIGHT OF DIRECTOR:-**

Director, RMRIMS, Patna has the full and exclusive right to accept or reject any or all the tenders without assigning any reasons, whatsoever. No enquire, verbal or written shall be entertained in respect of acceptance/ rejection of the tender.

**Administrative**

## HPLC Specification

**The Fast HPLC System should have of the following minimum (Basic) specification (better & higher specification will be given preference):**

The Fast HPLC system and the column chemistries should support to analyze organic compounds, DDT, amino acids, etc.

**Quaternary Gradient Pump (4 solvents) with inbuilt degasser minimum four channel or higher.**

Flow rate of 0.01 -2ml/min or better

system back pressure of minimum 9000 psi or better

Flow rate accuracy of  $\pm 0.1\%$  or better

Flow precision of  $< 0.075\%$  RSD or better.

Solvent rack and solvent bottles (at least four) also to be quoted

System should have the gradient delay volume  $< 700\mu\text{l}$  (proper documentation to be submitted) for minimum band spreading, higher theoretical plates, higher resolution.

System should be free from any form of Pulse dampner.

**Auto sampler :**

thermostated auto-sampler: Temperature range  $4^{\circ}$  -  $40^{\circ}\text{C}$  or better.

With minimum 200 injection vials and injection volume range of up to (1–100  $\mu\text{L}$ ). Programmable needle with wash / purge option to minimize carryover. Needle wash internal and External with Flow trough wash with minimized carryover  $< 0.004\%$  for caffeine .In-Line derivatization facility should be available for programmable derivatization of the Amino Acids.

**UV-Visible Detector:** with D2 lamp for UV range and tungsten lamp for Visible range or any other suitable source and wavelength range of :190-700 nm or higher with 10mm analytical flow cell. Lamp temperature control facility should be available for better sensitivity & accuracy.

Lamp Optimization facility should be available with the detector. Wavelength accuracy:

$\pm 1$  nm or better. Data Acquisition rate-  $\sim 100\text{Hz}$ , Bandwidth 6nm or better.

**Column oven:** Column compartment temperature range:  $20-80^{\circ}\text{C}$ . or better

Column compartment accuracy:  $\pm 0.5$  or better

Column number: minimum 10 number or higher for automated method scouting

Column oven heating method: Block heating and hot air.

**Fluorescence Detector:** Light Source-Xenon Flash or any better source, Spectral bandwidth 20nm. (Excitation & Emission), detector : PMT. Temperature controlled Flow cell should be quoted. For better S/N ratio with fluorophores. Excitation range-200-630nm or better and emission range 265-650nm or better.

Spectral Bandwidth Should be 20nm for Excitation and Emmission.

Suitable low volume Analytical Cell to be quoted to prevent dispersion. *Excitation/Emission Wavelength Switching Time*: <250 ms for fast analysis.

Data Acquisition rate-`100Hz or better

**Column** : Suitable column chemistries should be quoted to analyze organic compounds organic compounds, DDT , amino acids, Drugs etc

**Software** : The software should be a strictly validated/original licensed copy software with specific part number mentioned in the offer **[No Pirated version of the software will be allowed and if found the offer will be strictly rejected]** along with latest version computer/laser printer with original operating software should be quoted. All automated LC calculations facility should be available. Free up gradation of software during the period of 5 years. The system should be capable enough to programme at least **1-9 different Gradient curves like (Linear, Convex, Concave etc.)**. Software should have option for relational data base integration.

### **Computer & Printer:**

A suitable branded Computer for system control & data acquisition. It should have following minimum specs: i3 processor, 4GB RAM, 500GB HDD or above, DVD combo drive, 2 USB Ports, 19" TFT Color Monitor, Keys Keyboard, Optical mouse, HP LaserJet Printer with scanner.

### **UPS:**

3KVA online UPS with minimum 30 minutes back-up to be quoted. System should be upgradable with additional accessories without changing any existing accessories up to LCMS/MS.

### **Amino acid derivatization accessories :**

AA Fluorescence based pre derivatization Kit, with required buffers, standards should be offered

### **Protein Hydrolysis Accessories :**

Suitable Protein vacuum hydrolysis tube

Protein hydrolysis heating bath to be offered.