



CDFD

NOTICE INVITING TENDER (N.I.T)

ENQ. NO.CDFD/PUR/APF/927/09

22.02.2010

“Sealed Tenders are invited on behalf of the Director, CDFD in **TWO BID SYSTEM** for procurement of **Liquid Scintillation Counter**.

Scope of work: Supply and Installation of the above Equipment.

1. Details of Tender:

Earnest Money Deposit (**EMD**): Rs.80,000/- (Rupees Eighty thousand only) favouring Director, CDFD, Hyderabad.

2. Tender Form is not transferable.
3. The above tender will be dealt with under “TWO BID SYSTEM”. Technical Bid (Part I) and Financial Bid (Part II).
4. Both Part – I and Part – II duly sealed and then be placed in a bigger cover bearing the Tender Notice Number on the top, date and time of opening the tender.
5. The Technical bid shall contain the following:
 - (i) Technical bid document comprising N.I.T instruction to tenderers, letter of submitting the tender, general conditions of the Tender with detailed specifications.
 - (ii) Each page of the Tender Document to be signed by the Bidder as token of acceptance and enclosed alongwith the Technical Bid. If any minor deviation is proposed by the Bidder, the same must be clearly indicated and enclosed as deviation list as Annexure but Tenders with significant deviations list may be liable for rejection.
 - (iii) EMD : Earnest Money Deposit of Rs.80,000/- (Rupees Eighty thousand only) in the form of demand draft, Bank Guarantee, Fixed Deposit Receipt favouring Director, CDFD and payable at Hyderabad drawn on any Nationalised Bank. The validity of the same should be 6 months.
 - (iv) Other Information / documents/literature/catalogues as indicated in Instructions to Tenderers.

- (v) All necessary catalogues/ technical literature, data as are considered essential for full and correct evaluation of bids.
 - (vi) Availability of number of trained support personnel, both application and service support.
 - (vii) Compliance statement indicating yes/ no as per the specifications
 - (viii) Copy of the bidders price schedule with out prices mentioned
 - (ix) The complete Technical Bid (Part I) to be singed and enclosed.
6. The Financial Bid shall contain the following:
- (i) Duly filled in price bid document.
 - (ii) Tenderers are required to quote individual item rates for each item given in the price bid documents. The rates and amount shall be quoted in figures as well as in words in the price bid document. In case of difference in quoted rates, the rates in words will be taken as final rates.
 - (iii) The Bidders are to quote both in INR and Foreign currency.
 - (iv) CDFD is an exempted R & D Institute under Customs Notification No. 51/96 dated 23.07.1996. The Bidders are requested to quote in Customs Bounded Ware House Prices or High Seas Sale prices.
7. Sealed tenders are to be deposited in the Tender Box kept for the purpose in the Stores & Purchase Section, Bldg.7, 2nd Floor, Gruhakalpa Complex, Nampally, MJ Road, Hyderabad.
8. CDFD does not bind itself to accept the lowest or any other tender and reserves the authority to reject or cancel any or all tenders without assigning any reason. All the tenders, in which any of the prescribed conditions are not fulfilled or incomplete, in any respect, are liable to be rejected.
9. This Notice Inviting Tender (N.I.T) shall form the part of the Tender Document.
10. The Director, CDFD reserves the right to postpone the tender issue date, submission / opening date and to accept or reject any or all tenders without assigning any reasons.
11. Tender completed in all respects shall be submitted as per “Instructions to Tenders” forming part of the tender document.
12. Any tender received without Earnest Money Deposit in the form as specified shall be summarily rejected.
13. The tenderer shall sign all the pages of the tender documents and other documents submitted by him along with the tender.

14. **The tenderer should ensure that rates / amounts quoted should appear only in the Financial Bid document (Part II) and nowhere else, otherwise, the tender is liable to be rejected.**
15. Technical bid and Financial bid shall be submitted simultaneously on due date as above within the due date. Only Technical Bids shall be opened on the due date and the Financial Bids shall be kept sealed. Later on, a date shall be fixed and intimated for opening of Financial Bids only of those Vendors whose Technical Bids are found technically suitable by CDFD.
16. Documents duly completed in all respects shall be dropped in the tender box kept for the purpose in the office of Stores & Purchase Section, CDFD, Bldg.7, 2nd Floor, Gruhakalpa Complex, Nampally, MJ Road, Hyderabad.

II	Due date for receipt of Tenders at 2.30 pm on	15/03/2010
III	Opening of Technical Bids at 3.00 pm on	15/03/2010

Sd/-
INCHARGE – STORES & PURCHASE

TENDER DOCUMENT

FOR

**Supply, Installation, Testing and Commissioning of
Liquid Scintillation Counter**

TENDER # CDFD/APF/927/2009



CDFD

Centre for DNA Fingerprinting and Diagnostics
Bldg.7, 2nd Floor, Gruhakalpa Complex, Nampally, Hyderabad
500 001 (A.P.) India

Sign of Bidder

INSTRUCTIONS TO BIDDERS

1.0 GENERAL INSTRUCTIONS:

Director, Centre for DNA Fingerprinting and Diagnostics, Hyderabad, will receive Tenders in respect of the items mentioned in the Tender specifications.

1.1 Tenders received after the date and time fixed for receipt of Tenders as indicated above are liable to be rejected. **CDFD** takes no responsibility for delay, loss or non-receipt of Tender documents sent by Post. Telex / Telegraphic / Fax /Email offers will not be accepted.

1.2 Director, **CDFD** is not bound to accept lowest or any Tender or to assign reasons for non-acceptance of any Tender.

1.3 The bidder shall not be entitled to claim any costs, charges, expenses incidental to or incurred by him through or in connection with his submission of Tender, even if the Director, **CDFD** decides to withdraw or cancel the Tender.

1.4 Unsealed Tenders, unsigned Tenders, incomplete Tenders, or Tenders otherwise considered defective are liable to be rejected.

1.5 Director, **CDFD** reserves the right to accept the Tender either in whole or in part and the prices quoted by the bidder shall be deemed to hold good even if the Tender is accepted in part by the Director, **CDFD**.

2.0 CAPACITY OF THE BIDDER:

2.1 Any person signing a Tender shall submit documentary evidence that his signature on the Tender, submitted by him, is legally binding upon himself, his firm.

2.2 If it is detected that the person so signing the Tender has no authority to do so, the Director, **CDFD** may, without prejudice to other civil and criminal remedies, not consider the Tender and hold the signatory liable for all costs and damages.

2.3 The bidder shall produce a certificate from the Manufacturer of the offered product that they are the authorized exclusive dealers in India.

Sign. Of Bidder

3.0 BIDDER TO INFORM HIMSELF FULLY:

3.1 The bidder is required to carefully examine the documents contained in this Tender document and fully inform himself as to all conditions and matters which may in any way affect the works or the cost therefore, before submitting his offer. If the bidder finds discrepancies, omissions, or contradiction in the documents or in doubt as to true meaning of any part, he shall at once frequent in writing for clarification to **CDFD**. **CDFD** will issue such clarification in writing. The bidder however shall not be entitled to any extension of time for submission of his Tender on such account.

4.0 EARNEST MONEY DEPOSIT AMOUNT:

4.1. The Tender must be accompanied by **Earnest Money Deposit (EMD)** in the form of a Demand Draft, Bank Guarantee, Fixed Deposit Receipt favouring Director, CDFD and payable at Hyderabad drawn on any Nationalised Bank for an amount of Rs.80,000/- (Rupees Eighty thousand only). If the bidder after submitting his Tender revises his offer or modifies the terms and conditions thereof in a manner not acceptable to the Director, **CDFD**, the earnest money shall be liable to be forfeited.

4.2 Earnest Money Deposit (EMD) should be kept along with the Technical bid in one envelope. Tenders not accompanied by EMD shall be liable for rejection at the sole discretion of the Director, CDFD.

4.3 The Earnest Money will be returned without any interest to the unsuccessful bidders after the finalization of the order with the successful bidder.

4.4 The Earnest Money Deposit shall be returned to the successful bidder after the supply and installation of all the items as per Purchase Order.

5.0 MANNER, METHOD AND PLACE FOR SUBMISSION OF TENDERS:

5.1 Tenders shall be made in favour of:

**The Director,
Centre for DNA Fingerprinting and Diagnostics,
Bldg.7, 2nd Floor, Gruhakalpa Complex, Nampally, MJ Road, Hyderabad-500 001**

Sign. Of Bidder

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5.2 Tenders shall be submitted in 2-PARTS.

PART-I TECHNICAL BID
PART-II PRICE BID

5.3 PART-I of the Tender must contain the following:

- i) Tender Document, **each page duly signed by the bidder** as token of acceptance. If any minor deviation is proposed by the bidder the same must be clearly indicated and enclosed as deviation list as Annexure but Tenders with significant deviations list may be liable for rejection.
 - ii) Copy of the bidder's price schedule but without prices.
 - iii) Earnest Money Deposit as indicated above.
 - iv) All necessary catalogues/technical literature, data as are considered essential for full and correct evaluation of offers.
 - v) Details of Installations of similar equipment in India:-
 - vi) Availability of number of trained support personnel, both application & service support.
 - vii) Compliance statement indicating yes/no as per the specifications
 - viii) The complete Technical Bid (Part I) to be signed and enclosed
- 5.4 All the above documents forming PART I of the Tender shall be kept in one envelope which shall be **SEALED** and subscribed with as **PART- I: TECHNICAL BID – TENDER ENQUIRY NO: CDFD/PUR/APF/927/2009 DUE ON: 15/03/2010 at 2.30pm.**
- 5.5 PART-II of the Tender shall contain only the Price schedule with prices (both in words and figures) (Departure to the price schedule format may render the Tender liable for rejection Price Schedule format in PART-I and PART-II must be identical, except that PART-I should not contain any price figures).
- 5.6 The price bid forming PART-II of the Tender shall be kept in another envelope which shall also be sealed and superscribed with PART-II: PRICE BID – TENDER ENQUIRY NO.CDFD/PUR/APF/927/2009 DUE ON: 15/03/2010 at 2.30pm.

Sign. Of Bidder

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- 5.7 THE ABOVE TWO SEPARATE SEALED COVERS, ONE CONTAINING THE PART-I TECHNICAL BID ALONG WITH THE EMD AND THE OTHER CONTAINING THE PART-II PRICE BID SHALL BE KEPT TOGETHER IN ANOTHER COVER WHICH SHOULD ALSO BE SEALED AND SUPERSCRIBED WITH FOLLOWING DETAILS:

TENDER ENQUIRY NO: CDFD/PUR/APF/927/2009
DUE ON: 15/03/2010 at 2.30pm

THIS ENVELOPE SHOULD BE ADDRESS TO:

**The Director,
Centre for DNA Fingerprinting and Diagnostics,
Bldg.7, 2nd Floor, Gruhakalpa Complex, Nampally, MJ Road,
Hyderabad-500001**

AND SHOULD BE PUT IN THE SEALED BOX KEPT AT THE PURCHASE SECTION GRUHAKALPA COMPLEX ON OR BEFORE **2.30 PM OF 15/03/2010** . THE TENDER DOCUMENT AT ANY COST SHOULD NOT BE HANDED OVER TO ANY PERSONS.

6.0 TENDER OPENING:

- 6.1 THE TECHNICAL BIDS WILL BE OPENED AT **3.00 P.M ON: 15/03/2010 AT GRUHAKALPA COMPLEX** IN THE PRESENCE OF THE BIDDERS OR THEIR REPRESENTATIVE WHO WISH TO BE PRESENT.
- 6.2 The Technical evaluation of the bids will be conducted by CDFD at which time the bidders must be prepared to make a presentation on their bids, if asked to do so by **CDFD**.
- 6.3 The Price bid of the acceptable Technical bids will be opened after the technical evaluation by **CDFD**.
- 6.4 All queries/clarifications prior to submission of Tender shall be addressed to:

**The Director,
Centre for DNA Fingerprinting and Diagnostics,
Bldg.7, 2nd Floor, Gruhakalpa Complex, Nampally, MJ Road, Hyderabad-500001**

Sign. Of Bidder

7.0 DELIVERY:

- 7.1 The items as per the purchase order shall be delivered at CDFD laboratory within the mutually agreed delivery schedule from the date of L/C establishment by CDFD.
- 7.2 The supplier shall be required to depute their authorized representative(s) at their expenses to CDFD site in India for installation of the equipment and test performance of the equipment as per the specifications in the Purchase Order.
- 7.3 Please make appropriate commitments in writing that the instrument model being offered is current and is not likely to be obsolete within the next couple of years and that spare parts will be available for it for at least seven years after the installations.
- 7.4 The Installation of the equipment is deemed complete only after all the sub-units of the main equipment such as the computers/ printers / UPS / Software etc., is installed and tested as per the specifications in the offer/ brocher / purchase order and demonstrated to the satisfaction of the end user.
- 7.5 Timely completion of the supplies as specified in the purchase order shall be the essence of the contract. If the supplier fails to do so, Director, CDFD may resort to the following steps:
 - a) Levy liquidated damages @ 1% of the purchase order value per each fortnight beyond the specified date of delivery subject to maximum of 10% of the Purchase Order value. This is subject to the Director, CDFD accepting the delay in the delivery of stores at his discretion.
 - b) Resort to such risk purchase at the cost and risk of the supplier without notice as the Director, CDFD may deem fit.
 - c) Cancel the contract partially or wholly, including the forfeiture of Security Deposit.

8.0 PRICE:

- 8.1 TENDERERS SHOULD FOLLOW THE PRICE SCHEDULE FORMAT as detailed in the price schedule (part-II)
- 8.2 Instrument operation manual, software manuals and a detailed service manual with all circuit diagrams, parts list and troubleshooting guide should be supplied with the system in case of order.

Sign. Of Bidder

8.3 The prices quoted must indicate the Ex-works value, FOB value and CIF/CIP value to enable the purchaser to take decision at his discretion.

8.4 The prices shall remain firm and fixed till execution of the contract.

The prices quoted must contain the break-up of unit prices and such prices shall include all essential tests for acceptance of the stores as specified in the technical specifications.

8.5 The quoted price shall be deemed to include all taxes and duties/fee etc, that will have to be paid in the country of origin/export by the bidder.

8.6 The price details should not appear in any other page except in the PRICE BID (PART II).

9.0 PAYMENT TERMS:

9.1 Letter of Credit will be opened for Total cost of the equipment with **85%** to be released against the material receipt and the remaining **15%** would be released after successful Installation acceptable to CDFD against the submission of a bank guarantee for **15%** of the Purchase Order value valid for a period of one year against the performance of the machine or the warranty period whichever is later.

9.2 All banking charges outside India to Beneficiary's account

10.0 VALIDITY OF TENDER:

The Tenders should be kept valid for acceptance for a period of 90 (three months) calendar days from the Tender due date.

11.0 DECLARATION:

The bidder should give a declaration in the following format

I/We _____ have read the entire terms and conditions of this Tender document and we are fully agreeable to the terms and conditions mentioned herein.

Signature of the Bidder
With seal

This Tender Document # CDFD/PUR/APF/927/2009

Issued to: _____

Date: _____

Signature of the Issuing Officer,
CDFD

TENDER DOCUMENT

FOR

**Supply, Installation, Testing and Commissioning of
Liquid Scintillation Counter**

TENDER # CDFD/PUR/APF/927/2009



CDFD

Centre for DNA Fingerprinting and Diagnostics
Bldg.7, 2nd Floor, Gruhakalpa Complex, Nampally, Hyderabad
500 001 (A.P.) India

Sign of Bidder

PRICE SCHEDULE

Sl.No	Description	Qty	Unit/Price	In words
1)	Liquid Scintillation Counter	1 No.		
2)	Suitable Computer	1 No.		
3)	Laser Printer	1 No.		
4)	Suitable UPS with 30 minutes backup	1 No.		
5)	Warranty			
6)	AMC / C AMC			
7)	Service Training for one Instrumentation Engineer at their Manufacturing facility			
8)	Scientist Application Training at their manufacturing facility			
9)	Detailed Consumables (List here)			

Note : Please refer to the “**Detailed Specifications enclosed**”.

Sign. Of Bidder

SPECIFICATIONS OF LIQUID SCINTILLATION COUNTER

Please quote for a computer controlled Liquid Scintillation Counter (Beta Counter) for detecting radioactivity of small quantities of isotopes of Hydrogen, Carbon, Phosphorus, Sulfur, Iodine, etc.,

Salient Features:

- ❖ Multi-Channel Analyzer with greater than 32,000 channels
- ❖ Luminescence Correction and Automatic quench Compensation
- ❖ External quench monitor for Single and Dual label DPM
- ❖ Bidirectional sample Conveyor system for loading Cassette or Rack system for about 300 std. Vials and around 700 mini vials approx.
- ❖ Multitasking capabilities, Alphanumeric keyboard with function keys
- ❖ Automatic power-up Diagnostics and power recovery, Automatic calibration and verification
- ❖ 20 or more user programmes with three regions of interest
- ❖ Isotope Library for ^3H , ^{14}C , ^{32}P , ^{35}S , ^{125}I , ^{33}P , ^{45}Ca , ^{55}Fe
- ❖ Interrupt capabilities, Fixed background subtraction, First vial background subtraction, Final result Normalization
- ❖ Half Life correction to any date
- ❖ User selectable output format for printing data

Technical Specification:

1. Energy Range : 0-2000keV
2. Efficiency : ^3H > 60%
3. ^{14}C > 95%
4. Background Counts : ^3H < 18 CPM
5. ^{14}C < 25 CPM
6. Photomultiplier tube designed for low background.
7. Microprocessor with digital signal processor for real time data processing
8. High-resolution 17 inch color graphics monitor Real time spectrum display and plot. Real time histogram display and plot.
9. Automatic power-up diagnostics. Diagnostic Program and Permanent Memory, power fail recovery System.
10. Automatic calibration and verification with date and time stamp.
11. Instrument Performance Assessment (IPA) for monitoring efficiencies, background, figure of merit (E^2/B) etc.,

12. Automatic batch repeat and bi-directional sample changer with anti-jam sample recovery. With complete set of vial racks/Cassettes, user and rack identification and storage drawer.
13. Calculate for fixed background subtraction, first vial blank subtraction, half-life correction, final result normalization, repeat and replicate averaging with percent CV, and single label percent of reference.
14. External quench monitor with automatic quench compensation for adjustment of counting windows as a function of quench for accurate DPM calculations.
15. Temperature controlling system for maintaining optimum counting condition.
16. Single and dual label DPM – automatic DPM calculations based on IC number for single label studies or H-number plus quench monitor for single or dual label studies, half-life correctable to any date.
17. Internal background quench curves, pipetting monitor, automatic quench curve set-up, correlation table summary of quench curve and manual quench curve editing. Includes factory stored ^3H and ^{14}C quench curves.
18. Automatic DPM calculations for up to 3 isotopes simultaneously with half-life correction to any date.
19. RS-232C interface with user selectable data and spectrum output. Including Microsoft Windows applications software to transfer LSC data files to local computer network. Software to allow user to analyze, interpret, report data, and track the performance of the LSC.
20. Offer should include a branded computer (preferably Dell or HP) of the following minimum configuration Intel® Core™2 Quad Processor 3.0 GHz, 12 MB L2 cache, 1333 MHz FSB, 8GB RAM, 320GB SATA 10,000rpm HDD, DVD/CD-ROM write/rewrite Combo Drive, Zip drive, Ethernet, 17" LCD Colour monitor, and a high quality laser printer.
21. It should have additional features like Triple Label DPM, Single Photon Counting, Alpha/Beta discrimination etc.
22. Please quote for set of sealed small and large vial quenched and unquenched standards, solid Scintillators, Scintillation Cocktails and other consumables required for 2 years of trouble free operation.
23. Operates on 230 V AC, 50 Hz single-phase power.