

# TENDER DOCUMENT

FOR

Supply and Installation of

**SPECTRAL LASER SCANNING CONFOCAL  
MICROSCOPE**

TENDER # PUR/APF/2017-18/IND10534



*CDFD*

Centre for DNA Fingerprinting and Diagnostics

Uppal, HYDERABAD - 500039 (Telangana State) India



# CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS

(An Autonomous Institute of Department of Biotechnology, Ministry of Science and Technology, Govt. of India)

**Uppal, HYDERABAD - 500039 (Telangana State) India**

**Ph. No. 040-24749310/11/12, Cell. No. 9440209855 Email: purchase@cdfd.org.in**

## **NOTICE INVITING TENDER**

**Tender No.PUR/APF/2017-18/IND10534**

**Date: 04.01.2018**

Sealed tenders in **TWO BID SYSTEM** are invited on behalf of and by the Director, CDFD for supply and installation of “**Spectral LASER Scanning Confocal Microscope**”

1. **Scope of work:** Supply and Installation of the “**Spectral LASER Scanning Confocal Microscope**”.
2. Interested eligible bidders may download free of cost the complete bidding documents from our Website (<http://www.cdfd.org.in>) as well as from Central Public Procurement Portal: [www.eprocure.gov.in](http://www.eprocure.gov.in).
3. Earnest Money Deposit/Bid Security: E.M.D. amounting to Rs. 6,00,000/- (Rupees Six Lakhs only) by way of Demand Draft / Bank Guarantee of a commercial bank in favour of “Director, CDFD and payable at Hyderabad obtained from any Commercial Bank, should be enclosed along with the Technical Bid.
  - I. The EMD to be valid for 45 days more from the date of bid opening.
  - II. This amount is interest free and will be returned to the unsuccessful bidder after finalization of the Contract within 30 days.
  - III. The firms registered with DGS&D, NSIC and MSE if any, are exempted from payment of Earnest Money Deposit (EMD) and enclose the valid proof along with Quotation.
4. **Tenders shall be submitted in 2-PARTS:** 1) PART – I : Technical Bid 2) PART – II : Price Bid
  - Technical Bid (PART – I) of the Tender must contain the documents as indicated at **Clause No. 23 of Instructions to Bidder**.
  - **Price Bid (PART – II) of the Tender shall contain only the Price Schedule as per the Price Schedule Format (both in words and figures)**. The Bidder should ensure that the Prices are mentioned only in the Price Bid and nowhere in the Technical Bids.
  - **Due Date for Receipt of Tenders: 25.01.2018 @ 2.30pm. Opening of Technical Bids: 25.01.2018 @ 3.00pm at CDFD Lab Building, Opp: Metro Rail Pillar No. NUP-9, Inner Ring Road, Uppal, Hyderabad.**
  - If the above stated opening or closing date(s) happens to be Govt. holiday(s)/BANDH, the submission/opening of the tender will be on the next working day as per the time scheduled.
5. Bidder shall seal the Technical Bids and Price Bids in two separate envelopes duly marked / super-scribed as “Technical Bid (Part-I)” and “Price Bid (Part-II)” – Tender No: **CDFD/PUR/APF/2017-18/IND10534 due on 25.01.2018 at 2.30pm**.
  - The above two separate sealed covers, one containing the Part-I Technical Bid along with the EMD and the other containing, the Price Bid (Part-II) shall be kept together in another Cover which should also be sealed and super-scribed as above and addressed to the I/c – Stores & Purchase, Centre for DNA Fingerprinting and Diagnostics, Lab Building, Opp: Metro Rail Pillar No. NUP-9, Inner Ring Road, Uppal, Hyderabad – 39.
  - The sealed cover duly super-scribed with Tender No. **CDFD/PUR/APF/2017-18/IND10534 due on 25.01.2018 @ 2.30pm** containing Technical bid (Part-I) and Price Bid (Part-II) along with the relevant documents should be dropped in the **Sealed Tender Box kept at the Purchase Section, Lab Building, Uppal, Hyderabad-39 on or Before 2.30 PM of 25.01.2018. The Tender document at any cost should not be handed over to any persons.**
6. **Bidders sending their quotations through courier / postal services should ensure to send the same well in advance as CDFD does not take any responsibility for late receipt of quotes due to postal / courier delays.**
7. **Tenders submitted without EMD will be rejected.** Tenders received after due date and time will not be entertained. Institute is not responsible for any postal delay. CDFD does not take any responsibility for loss of Tender in transit sent by courier or any postal delays, Tenders received after the due date and time will be summarily rejected. Incomplete or conditional tenders are liable for rejection.
8. CDFD does not bind itself to accept the lowest or any other tender and reserves the authority to reject 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 also liable to be rejected.
9. All the tenders, in which any of the prescribed conditions are not fulfilled or incomplete in any respect are liable to be rejected.

Sd/  
I/C-Stores & Purchase

## CHAPTER 1

### INSTRUCTIONS TO BIDDER

1. **ELIGIBLE BIDDERS:** This Invitation for Bids is open to all Original Manufacturers/ their Authorized Dealers/ vendors / suppliers to quote on their behalf for this tender as per Manufacturer's Authorization Form and Indian Agents of Foreign Principals, if any who possess the qualifying requirements as specified in the Tender.
2. Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation of Bids.
3. **CAPACITY OF BIDDER:** 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. 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. The bidder shall produce a certificate from the Manufacturer of the offered product that they are the authorized dealer in India.
4. The Bidder should be a manufacturer or their dealer specifically authorized by the manufacturer to quote on their behalf of this tender as per manufacturer authorization form and Indian agents of foreign principals, if any who must have designed, manufactured, tested and supplied the equipment(s) similar to the type specified in the "Technical Specification". Such equipments must be of the most recent series/models incorporating the latest improvements in design. The models quoted should be in successful operation for at least one year as on date of Bid Opening in India and is engaged in the day to day usage.
5. The Indian Agents of foreign manufacturers / suppliers quoting directly on behalf of their principals for items appearing in the restricted list of the current Foreign Trade Policy must be registered with DGS&D. One Indian Agent cannot represent two different foreign principals for the same item in one tender.
6. **DETAILED QUOTATION ALONG WITH TERMS & CONDITIONS:** This Document should contain all the Commercial Terms such as ordering information, delivery period, validity of the quotation, payment terms, warranty details, Mode of shipment, model/make /part no. of the quoted models, currency offered, insurance, freight, Transportation etc. and also indicate whether all items of the requirement is quoted.
7. **COPY OF THE PRICE BID WITHOUT PRICES:** This Document should be exactly as per the Price Bid enclosed without mentioning the Price details. The purpose of this document is to confirm whether the bidder has quoted for all the items, shipment terms such as FOB/FCA/ CIF/CIP basis for foreign currency quotes, all duties, Taxes for indigenes quotes and multi currency quotations.
8. **COMPLIANCE STATEMENT:** This document should give Item wise compliance of the quoted Item duly indicating Yes/No in the Compliance Statement.
9. **COPY OF THE PURCHASE ORDERS:** The Bidder is advised to enclose the complete Purchase Order copies as per the eligibility criteria. In addition the Bidder is advised to submit copy of the Installation Reports wherever applicable.
10. **BID COVERING LETTER:** The Bidder is advised to submit the Bid Covering Letter on their Letter head as per the format given in the Annexure-A without any changes in the format duly signed, affixing the company Seal.
11. **MANUFACTURERS AUTHORIZTION FORM:** The Bidder is advised to submit the Manufacturers Authorization form from the concerned OEM authorizing the Bidder to submit their quotation on their behalf. This authorization should be as per the format given at Annexure-B.
12. **FIRM REGISTRATION AND OTHER DOCUMENTS:** The Bidder should attach the Firm Registration copy, GST registration and a copy of latest IT returns.
13. **PAYMENT TERMS:** Our rules do not permit any advance payment either direct or through a bank. However, payment of your bill will be made within 30 working days after receipt of the articles in good condition by way of Foreign Demand Draft (FDD) or Wire Transfer or on Sight Draft basis. Alternatively, 100% Order value will be opened by way of Confirmed Irrevocable Letter of Credit. 85% of the L/C value will be released against receipt of complete shipping documents and the balance 15% value will be released after successful installation acceptable to CDFD within 3 months.  
  
**The foreign supplier should accept CDFD standard Letter of Credit terms which will be forwarded for confirmation before establishing the LC.**
14. **Check List:** The Bidder is advised to fill the check list and indicate the enclose numbers at the appropriate places and submit the same along with the check list.
15. **BUY BACK ITEMS:** If the goods are to be quoted on Buy Back Basis the Bidder is advised to offer the Buy Back rate separately in their Bid for the old Item. The Purchaser reserves the right to place the order with or without the Buy Back option.
16. **DELIVERY SCHEDULE:** Within 2 months from the date of receipt of order. However, kindly indicate the delivery schedule in the quotation

Sign. of Bidder

17. **OPENING OF BIDS:** In the first instance, the Technical Bids (PART-I) will be opened. All the Tenderers may be required to give a presentation if requested by CDFD. Final selection of the Technical Bids will be based on the Technical Presentation evaluated by the authorities of CDFD. The Price Bid (**PART-II**) will not be opened on the day of opening of Technical Bids. The Bidders representatives who are present shall sign the Quotation Opening Form evidencing their attendance. The Price Bid of only those tenderers whose Technical Bid(s) are found technically suitable will be opened subsequently. **The Tenderer may kindly note that no payment for attending/ giving presentation will be made by this Institute.**
18. **QUALIFICATION CRITERIA:**
1. The Bidder should be in the similar business for the last 5 years and have successfully supplied and executed at least two similar equipments to any of the Department of State/Central/PSU/University/R&D Institutes/Pharmaceutical Laboratories/Public Limited Companies during the last 5 years. Similar Equipment means Supply and Installation of Spectral Laser Scanning Confocal Microscope. Proof to be enclosed with the quote.
  2. Details of service support facilities that would be provided after the warranty period should be submitted in the Quote.
  3. That the Bidder will assume total responsibility for the fault-free operation of equipment, application software, if any, and maintenance during the warranty period and provide necessary maintenance services after end of warranty period if required.
  4. The bidder should be free from all encumbrances and possess adequate resources for executing the contract in the case it is awarded.
19. **CONTENT OF BIDDING DOCUMENTS:** The goods required, bidding procedures and contract terms are prescribed in the bidding documents. The bidding documents, apart from the invitation for bids have been divided into 6 chapters as under:
1. Chapter 1 :Instructions to Bidder
  2. Chapter 2: Detailed Terms & Conditions
  3. Chapter 3 :Specifications and Allied Technical Details of the Goods and Services
  4. Chapter 4 :Price Schedule Format
  5. Chapter 5 :Other Formats
- The Bidder is expected to examine all instructions, forms, terms & conditions 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 will be at the Bidders risk and may result in rejection of its bid.
20. **CLARIFICATION OF BIDDING DOCUMENTS:** A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser in writing. The Purchaser will respond in writing to any request for clarification, provided that such request is received not later than Seven (7) days prior to the deadline for submission of bids.
21. **AMENDMENT OF BIDDING DOCUMENTS:** At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment. In order to allow prospective bidder's reasonable time in which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids and host the changes on the website of the purchaser.
22. **LANGUAGE OF BID:** The bid prepared by the bidder, as well as all correspondence and documents relating to the bid exchanged by the bidder and the purchaser, shall be written in Hindi/English language only.
23. **DOCUMENTS TO BE ENCLOSED WITH TECHNICAL BID : (PART-I)**
- i. Bid Form as per ANNEXURE-A.
  - ii. Detailed quotation along with Terms and Conditions.
  - iii. CDFD Tender document duly signed by the bidder on all the pages
  - iv. Copy of the Price bid without mentioning the price details.
  - v. Manufacturer's Authorization Form as per ANNEXURE-B.
  - vi. Bid Security / EMD
  - vii. All necessary catalogues/technical literature, data as are considered essential for full and correct evaluation of offers.
  - viii. Photo Copies of Purchase Orders/Client List/Installation Reports.
  - ix. Availability of number of trained support personnel, both application & service support.
  - x. Compliance statement indicating Yes/No as per CDFD specifications
  - xi. Photo copies of Firm Registration, GST and latest Income Tax Returns.
  - xii. Check List as per Annexure-E
- Note: Your Bid will be rejected if all the above enclosures are not attached with the Technical Bid without seeking any further clarifications from you.**
24. **BID PRICES:** The Bidder shall indicate the unit prices, discounts and total bid prices of the goods it proposes to supply.
25. **TAXES/DUTIES:** CDFD is exempted from payment of Excise Duty vide Notification Number 10/97 dated 01.03.1997 and Customs Duty under notification No.51/96 dated 23.07.1996. Hence Excise duty and Customs Duty, if any, should be shown separately. Please mention the applicable taxes (VAT/CST/Service) clearly. Form 'C' or 'D' cannot be issued by the Purchaser. However, being R&D Institute on Concessional Customs Duty Forms can be issued. No other charges except those mentioned clearly in the quotation will be paid.

26. **Bidders are requested to quote the revised rates of GST as applicable to the Public Funded Research Institutions under the Notification No. 47/2017 Integrated Tax (Rate) and Notification No. 45/2017 Central Tax (Rate) dt. 14.11.2017 issued by Department of Revenue, Ministry of Finance, Government of India.**
- Rates should be quoted 'FOR' CDFD, Hyderabad inclusive of packing, forwarding, Customs clearance, installation and commission charges etc. If ex-works prices are quoted then packing, forwarding, documentation, freight and insurance charges must be clearly mentioned separately. Vague terms like "packing, forwarding, transportation, taxes etc. extra" without mentioning the specific amount/percentage of these charges will NOT be accepted.
  - Prices quoted by the bidder shall remain fixed during the entire period of contract and shall not be subject to variation on any account. A
  - bid submitted with an adjustable price quotation will be treated as non-responsive and may be liable for rejection.
  - Instrument quoted should be complete in all respects; any additional accessories required for instrument to operate should also be quoted as part of the instrument and should be supplied along with instrument.
  - **NO BIDDER SHOULD QUOTE THE PRICES HIGHER THAN THE MAXIMUM RETAIL PRICES (MRP) INCLUDING ALL CHARGES UP TO CDFD STORES.**
27. **BID CURRENCIES:** Prices shall be quoted in Indian Rupees or in freely convertible foreign currency preferably in **USD (\$), Euro (€), Yen (¥), GBP (£), Singapore (\$), Australian (\$) and Canadian (\$)** wherever possible for correct evaluation during comparison.
28. **BID SECURITY / EARNEST MONEY DEPOSIT (EMD):** The Bidder shall furnish, as part of its bid, a bid security (BS)/ Earnest Money Deposit (EMD) for an amount of Rs.6,00,000/- (Rupees Six Lakhs only) as specified in the Invitation for Bids. The BS shall be submitted either by the principal or by the Indian agent and in the case of indigenous bidders, the BS shall be submitted by the manufacturer or their authorized dealer. The Bid Security is required to protect the Purchaser against the risk of Bidder's conduct, which would warrant the security's forfeiture. The Bid Security shall be in Indian Rupees for offers received for supply within India or freely convertible currency in the case of offers received for supplies from foreign countries.. The bid security shall be in one of the following forms at the bidders' option:
- a. A bank guarantee issued by a Nationalized/Scheduled bank/Foreign Bank (as per the format given at Annexure-C) provided in the bidding documents and valid for 45 days beyond the validity of the bid; or
  - b. A Banker's cheque or demand draft in favour of Director, CDFD, payable at Hyderabad.
- The Bid Security should be submitted in its original format. Copies shall not be accepted.
  - The Bid Security of unsuccessful bidder will be discharged /returned as promptly as possible but not later than 15 days after the expiration of the period of bid validity or placement of order whichever is later.
  - The successful Bidder's Bid Security will be discharged upon the Bidder furnishing the performance security.
29. The firms registered with DGS&D, NSIC and Micro and Small Enterprises (MSE) if any, are exempted from payment of EMD provided such registration includes the item they are offering and submit the valid registration copy.
30. The bid security may be forfeited:
- a. If a Bidder withdraws or amends or impairs or derogates its bid during the period of bid validity specified by the Bidder; or
  - b. In case of a successful Bidder, if the Bidder fails to furnish order acceptance within 15 days of the order and/or fails to furnish Performance Security within 21 days from the date of contract/ order.
31. **PERIOD OF VALIDITY OF BIDS:** Bids shall remain valid for 60 days after the date of bid opening prescribed by the Purchaser. In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security provided 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. Bid evaluation will be based on the bid prices without taking into consideration the above corrections.
32. **FORMAT AND SIGNING OF BIDS:** The bids should be submitted in two parts namely PART-I (Technical Bid) PART-II (Price Bid). The Bidder shall submit the bids in two separate parts. One part shall contain Technical Bid comprising all documents listed under clause relating to Documents Comprising the Bid and except price schedules. The other PART-II (Price Bid) shall contain the price bid comprising price-schedules only. The format of Price Schedule form (Part-II) may be typewritten on the letter head of the bidder without changing the format and submit as Price Bid (Part-II) in a separate envelope.
33. **SUBMISSION, SEALING AND MARKING OF BIDS: Tenders shall be submitted in 2-PARTS:**
- PART-I Technical Bid**  
**PART-II Price Bid**
- Technical Bid (PART-I) of the Tender must contain the documents as indicated in "**DOCUMENTS COMPRISING THE TECHNICAL BID**":
  - Bidder shall seal the Technical Bids and Price Bids in two separate envelopes duly marked / super scribed as Technical Bid (PART-I) and Price Bid (PART-II) – Tender No. **CDFD/PUR/APF/2017-18/IND10534 due on 25.01.2018 at 2.30pm.**
  - **Price Bid (PART-II) of the Tender shall contain only the prices (both in words and figures).** The Bidder should ensure that the Prices are mentioned only in the Price Bid and nowhere in the Technical Bids.

- The above two separate sealed covers, one containing the Technical Bid (PART-I) along with the EMD, cost of Bidding Document and other documents listed at Clause No: 23 of "Instructions to Bidder" and the other containing, the Price Bid (PART-II) shall be kept together in another Cover which should also be sealed and super-scribed with following details:
  - **TENDER NO: CDFD/PUR/APF/2017-18/IND10534 due on 25.01.2018 at 2.30pm.** And a statement "Do not open before 25.01.2018 at 2.30pm."
  - This Envelope should be addressed to: The I/c – Stores & Purchase, Centre for DNA Fingerprinting and Diagnostics, Opp: Metro Rail Pillar No. NUP-9, Inner Ring Road, Uppal, Hyderabad. And should be dropped in the Sealed Tender Box kept at the Purchase Section, Opp: Metro Rail Pillar No. NUP-9, Inner Ring Road, Uppal **on or before 2.30PM of 25.01.2018.**
  - If the outer envelope is not sealed and marked as indicated above, the Purchaser will assume no responsibility for the bid's misplacement or premature opening or any other consequences arising out of it.
34. Bidders intend to send their bids through courier / postal services should ensure to send the quote well in advance as CDFD never takes any responsibility for the delay in receipt of the bids.
35. The Bidder is required to go through all the Terms & Conditions of the Tender document and sign all the pages as token of acceptance of having read the Terms and Conditions and accepted the same.
36. **DEADLINE FOR SUBMISSION OF BIDS:** Bids must be received by the Purchaser at the address mentioned above not later than the time and date specified therein. In the event of the specified date for the submission of Bids being declared a holiday for the Purchaser, the Bids will be received up to the appointed time on the next working day. The Purchaser may, at its discretion, extend the deadline for submission of bids by amending the bid documents in accordance with Clause relating to Amendment of Bidding Documents in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
37. **LATE BIDS:** Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser will be rejected. Such tenders shall be marked as late and not considered for further evaluation. It will be returned to the bidders in their original envelope without opening.
38. **WITHDRAWAL, SUBSTITUTION AND MODIFICATION OF BIDS:** A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice and is received by the Purchaser prior to the deadline for submission of bids. No Bid may be withdrawn in the interval between dead-line for submission tender document. Withdrawal bids will be returned to the bidder without opening of the same during the opening of technical bids. However, no withdrawals of Bids are permitted after the Deadline for submission.
39. **CONFIDENTIALITY:** Information relating to the examination, evaluation, comparison and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until placement of the Order.
40. **CLARIFICATION OF BIDS:** To assist in the examination, evaluation, comparison and post qualification of the 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 prices or substance of the bid shall be sought, offered or permitted. Any clarification submitted by a bidder in respect to its bid which is not in response to a request by the purchaser shall not be considered.
41. **PRELIMINARY EXAMINATION:**
- a. The Purchaser shall examine the bids to confirm whether all documents requested have been provided, whether required sureties such as EMD have been furnished and to determine the completeness of each document submitted are generally in order.
  - b. The Purchaser may waive off any minor informality, nonconformity or irregularity not in the required formats which doesn't constitute material deviation provided such waiver doesn't prejudice or effect the relative ranking of any bidder.
  - c. The purchaser may call the bidder to furnish certain documents/information/clarifications for proper evaluation of the bid provided such information does not constitute material deviation and relative ranking of the bidder.
  - d. Prior to detailed evaluation of the Bid the purchaser will determine the substantial responsiveness of each Bid to the bid documents. For the purpose of these clauses a substantially responsive bid is one which confirms to all the Terms & Conditions of the Tender document without any material deviations.
  - e. If the Bidder tampered with information, modified the document in any manner whatsoever is noticed by the Purchaser at any stage will be treated as unresponsive and will be rejected.
  - f. The Bidder who have not agreed to CDFD payment terms, delivery schedules and not quoted all the items as per the Tender Document will be considered as unresponsive and may be liable for rejection.
42. If the Bidders have put in Specific conditions or not enclosed all the documents / data requested in the tender and not submitted the Tender in the manner as indicated may be liable for rejection.
43. **EVALUATION & COMPARISON OF BIDS:** For the bids qualifying for technical evaluation which have been found to be responsive the evaluation & comparison will be made as under:
- **For Indigenous Offers:** The final landed cost of purchase after all discounts, freight, forwarding, insurance from supplier warehouse to Purchaser warehouse, custom clearing charges, all duties, taxes etc. shall be the basis of evaluation.
  - **Imported Offers:** The FOB/FCA/CIF/CIP price shall be the basis of evaluation on warehouse to warehouse basis.

Sign. of Bidder

- **Imported Vs. Indigenous Offers:** The final landing cost (ware house to ware house) of purchase taking into account, freight, forwarding, insurance, taxes, CIF/CIP with customs clearance charges, Bank/LC charges, transportation up to CDFD, Hyderabad shall be the basis of evaluation.
  - The purchaser may if required depending on the requirement may include the cost of extended warranty, AMC charges, training charges etc. based on the recommendations of the Technical Committee.
  - **Arithmetical errors in the financial bids will be rectified on the following basis:**
    - a. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected.
    - b. If there is a discrepancy between the price quoted in words and figures, the **rate quoted in words will be taken as final** and shall be binding on the Bidder.
    - c. If the supplier does not accept the correction of errors, its bid will be rejected.
44. CDFD may at its discretion place the Order either on FOB basis or CIP basis depending on the requirement and the bidder is advised to quote basic prices, CIF or CIP Charges separately. In case of offer in INR the quoted price should be Inclusive of all the charges and taxes till CDFD stores, Hyderabad.
45. **CLARIFICATIONS BY CDFD:** The Tender Evaluation Committee may seek clarifications on the technical as well as commercial terms if deemed fit and the bidder to provide such clarifications immediately within a day or two.
46. **DEMONSTRATION OF QUOTED ITEM:** The Tender Evaluation Committee may evaluate your tender based on the documents submitted. However, in case of any technical clarifications, the Committee may request the bidder to make a detailed presentation of the quoted model including product demonstration at Hyderabad. The bidder is advised to arrange such presentation/ demonstration at their cost at CDFD.
47. **CONVERSION TO SINGLE CURRENCY :** To facilitate evaluation and comparison, the Purchaser will convert all bid prices expressed in the amounts in various currencies in which the bid prices are payable to Indian Rupees at the selling exchange rate established by any bank in India as notified in the Newspaper / Bank Website on the date of Price Bid opening.
48. **NEGOTIATIONS:** There shall not be any negotiation normally. Negotiations, if at all, shall be an exception and only in the case of items with limited source of supply. Negotiations shall be held with the lowest evaluated responsive bidder. Counter offers tantamount to negotiations and shall be treated at par with negotiations.
49. **AWARD CRITERIA:** The Purchaser will place the order on the lowest evaluated Bidder. In exceptional cases, the Director, CDFD reserve the right to award the order on any other Bidder based on the recommendations of Expert Committee Constituted for the Evaluation of the this Tender.
50. **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 all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders.
51. **PERFORMANCE SECURITY:** Within 7 days of receipt of the Purchase Order, the Supplier shall furnish Performance Security for 10% of the Order value in the form of Demand Draft / Bank Guarantee to be valid for 60 days beyond the warrantee / extended warrantee period. 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.
- The Performance Security shall be denominated in Indian Rupees for the offers received for supplies within India and denominated in the currency of the contract in the case of offers received for supply from foreign countries. In the case of imports, the PS may be submitted either by the principal or by the Indian agent and, in the case of purchases from indigenous sources, the PS may be submitted by either the manufacturer or their dealer/bidder.
- The Letter of Credit will be opened after receipt of 10% of the Performance Guarantee valid for 60 days beyond the Warrantee period.
- The Performance security shall be in one of the following forms:
- I) A Bank guarantee issued by a Nationalized/Scheduled bank located in India or a bank located abroad as per the ANNEXURE-D.
  - II) The Performance security may also be in the form of Banker's cheque or Account payee demand draft in favour of Director, CDFD, Hyderabad
- The performance security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligations.
52. **PURCHASER'S RIGHT TO VARY QUANTITIES AT THE TIME OF AWARD:** The Purchaser reserves the right at the time of award of Contract to increase or decrease the quantity of goods and services originally specified in the Tender documents without any change in unit price or other terms and conditions.
53. **UNSOLICITED POST BID MODIFICATION:** No suo-moto reduction in prices quoted by bidder shall be permitted after tender submission due date & time / extended due date & time. If any bidder unilaterally reduces the prices quoted by him in his bid after opening of bids, the bid(s) of such bidder(s) will be liable to be rejected. Such reduction shall not be considered for comparison of prices but shall be binding on the bidder in case he happens to be a successful bidder for placement of Order.

54. **ORDER ACCEPTANCE:** The successful bidder should submit acceptance of the Purchase Order immediately but not later than 7 days in any case from the date of issue of the Purchase Order failing which it shall be presumed that the supplier is not interested and his bid security is liable to be forfeited.
55. **JOINT VENTURE, CONSORTIUM OR ASSOCIATION:** If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.
56. **STANDARDS:** The Goods supplied and services rendered under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned institution.
57. **DISQUALIFICATION OF TENDERS:**
- Tenders are liable for rejection if they are not in line with the terms and conditions of this tender notice.
  - Conditional quotations will be liable for rejection or may not be considered.
  - Fax or e-mail tender documents /bids will be rejected.
  - Submission of Single Bid as against Two Bid System or Quotes submitted in Email/fax will be rejected.
  - The Bidder should ensure that the prices are mentioned only in the Price Bid (Part-II) and nowhere in the Technical Bids (Part-I)
58. **FRAUD AND CORRUPTION:** The purchaser requires that the *bidder's* suppliers and contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the following are defined:
- "Corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution; "Fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract; "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, noncompetitive levels; and "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.
- The purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.

## CHAPTER 2

### DETAILED TERMS AND CONDITIONS

59. **DEFINITIONS :** In this Contract, the following terms shall be interpreted as indicated: The following words and expressions shall have the meanings hereby assigned to them:
- a. "Contract Price" means the price payable to the Supplier as specified in the Purchase Order, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.
  - b. "Day" means calendar day.
  - c. "Completion" means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Purchase Order.
  - d. "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser as per the Purchase Order.
  - e. "Related Services" means the services incidental to the supply of the goods, such as transportation, insurance, installation, commissioning, training and initial maintenance and other such obligations of the Supplier as per the Purchase Order.
  - f. "Supplier" means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Purchase Order.
  - g. "The final destination," where applicable, means the place of delivery as indicated in the Purchase Order.
60. **SUPPLIER'S RESPONSIBILITIES:**
1. The Supplier shall supply all the Goods and Related Services included in the Scope of Supply and the Delivery and Completion Schedule, as per Purchase Order Terms.
  2. The Supplier is responsible for the safe arrival of the goods at the consignee stores at Hyderabad in good condition and notify CDFD in time to enable the purchaser to customs clear the goods for Imported Orders.
  3. Consignments sending through courier mode is not acceptable. However for any reason the Supplier has to send the materials through courier mode, the supplier to take the responsibility to send the materials on door delivery at CDFD stores basis. CDFD will provide the required documents for customs clearance to the Courier Agency.

Sign. of Bidder



61. **SUB-CONTRACTS:** The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in his original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract. Sub-contract shall be only for bought-out items and sub-assemblies.
62. **CONTRACT PRICE:** Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Purchase Order shall not vary from the prices quoted by the Supplier in its bid.
63. **COPY RIGHT :** The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party
64. **PATENT RIGHTS:** The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights, copy rights arising from use of the Goods or any part thereof in India.
65. **INSPECTIONS AND TESTING:** The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services. or as discussed during the course of finalizing the contract. The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes. The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at the point of delivery and/or at the Goods final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data -shall be furnished to the inspectors at no charge to the Purchaser.
66. **PACKING:** The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit. In order to maintain safety of the equipment, we prefer to have wooden crating with adequate cushion inside for transportation of any goods. The Material to be dispatched with International standard packing to withstand Rigors, and to avoid any transit damages.
67. **PACKING INSTRUCTIONS:** Each package will be marked on three sides with proper paint/indelible ink, the following:
- i. Purchaser Name & Address
  - ii. Item Nomenclature
  - iii. Order/Contract No.
  - iv. Country of Origin of Goods
  - v. Packing list reference number
68. **DELIVERY AND DOCUMENTS:** Delivery of the Goods and completion and related services shall be made by the Supplier in accordance with the terms specified by the Purchaser in the Purchase Order.
69. The supplier shall fax or email the details of the shipment to the purchaser with a copy to the Clearing Agent. The following scanned documents are to be emailed at: [ravinder@cdfd.org.in](mailto:ravinder@cdfd.org.in) and [purchase@cdfd.org.in](mailto:purchase@cdfd.org.in).
- i. Airway Bill / Bill of Lading;
  - ii. Invoice
  - iii. Packing list
- The above documents should be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for reimbursement of Demurrage charges.
70. Please note that as per the revised guidelines issued by Customs Notification No.26/2017, the free time allowed is 48 hours and penalty will be imposed for late clearance.
71. If there is a delay in forwarding the Airway Bill, Invoice, packing list before 72 hours prior to arrival of the cargo, the penalty charged by the Customs Department will be recovered from your bill and the balance will be payable.
- 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 installation. 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/ broacher / purchase order and demonstrated to the satisfaction of the end user.
72. **INSURANCE:** The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.
- For delivery of goods at the purchaser's premises, the insurance shall be obtained by the Supplier in an amount equal to 110% of the value of the goods from supplier's "**Warehouse to purchaser's warehouse**" on "All Risks" basis.
  - In case of orders placed on FOB/FCA basis, the purchaser shall arrange for insurance.

73. **TRANSPORTATION:** Where the Supplier is required under the Contract to deliver the Goods on FOB, transport of the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Supplier.. Where the Supplier is required under the Contract to deliver the Goods FCA, transport of the Goods and delivery into the custody of the carrier at the place named by the Purchaser or other agreed point shall be arranged and paid for by the Supplier, and the cost thereof may be included in the Price Schedules.
- Where the Supplier is required under the Contract to deliver the Goods CIF or CIP, transport of the Goods to the port of destination or such other named place of destination in the Purchaser's country, as shall be specified in the Contract, shall be arranged and paid for by the Supplier, and the cost thereof maybe included in the Price Schedules.
  - In the case of supplies from within India, where the Supplier is required under the Contract to transport the Goods to a specified destination in India, defined as the Final Destination, transport to such destination, including insurance and storage, shall be arranged by the Supplier, and the related costs may be included in the Contract Price.
74. **INCIDENTAL SERVICES:** The supplier may be required to provide any or all of the services, as discussed during the course of finalizing the contract. User and detailed Service Manual to be supplied along with the equipment.
- a. **SPARE PARTS:** The Supplier shall be required to provide the spare part details/materials, notifications, and information pertaining to its manufacture or distribution: Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
  - b. In the event of termination of production of the spare parts:
    - i) Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed Requirements if any; and
    - ii) Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.
75. **WARRANTY:** The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract. The Warrantee should be comprehensive and on site.
- a. The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.
  - b. The warranty shall remain valid for Thirty Six (36) months from the date of installation of the equipment. **The warrantee Certificate should be handed over to CDFD after the installation is completed.**
  - c. The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.
  - d. Upon receipt of such notice, the Supplier shall, within a reasonable period of time expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.
  - e. **During the period of warranty any component or spare part is to be brought from abroad, all associated costs shall be borne by the supplier including the customs duty charges.**
  - f. The defective material / goods originally imported will not be handed over to the supplier and the same will be re-exported to the place of manufacturer at the cost of the supplier. In case, the manufacturer has the office in India the same may be handed over to them with an undertaking that they will re-export to their manufacturing facility within a reasonable time and submit the proof to that extent.
  - g. If having been notified, the Supplier fails to remedy the defect within a reasonable period of time; the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.
  - h. **If the defective material / goods originally supplied indigenously, the same will be handed over to the supplier after replacement of the material under warrantee period and not before the replacement.**
76. **TERMS OF PAYMENT:** Our rules do not permit any advance payment either direct or through a bank. However, payment of your bill will be made within 30 working days after receipt of the articles in good condition by way of Foreign Demand Draft (FDD) or Wire Transfer or on Sight Draft basis. Alternatively, 100% Order value will be opened by way of Confirmed Irrevocable Letter of Credit. 85% of the L/C value will be released against receipt of complete shipping documents and the balance 15% value will be released after successful installation acceptable to CDFD within 3 months.
- The foreign supplier should accept CDFD standard Letter of Credit terms which will be forwarded for confirmation before establishing the LC.**
77. **DELIVERY SCHEDULE:** Within 2 months from the date of receipt of order. However, kindly indicate the delivery schedule in the quotation.
78. Agency commission, if any shall be paid after satisfactory installation & commissioning of the goods at the destination at the exchange rate prevailing on the date of negotiation of LC documents. The Agency Commission if any will be payable against submission of valid DGS&D Registration Certificate.
79. **All banking charges outside India will be borne by the supplier and inside India charges will be borne by the purchaser.**
80. **AMENDMENTS:** The Purchaser may at any time, by written order given to the Supplier make changes within the general scope of the Contract as mutually agreed terms.

81. **ASSIGNMENT:** The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.
82. **EXTENSION OF TIME. :** Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified in the contract. If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without penalty, in which case the extension shall be ratified by the parties by amendment of the Contract.
- Except as provided under the Force Majeure clause, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.
83. **PENALTY CLAUSE:** Subject to clause on Force Majeure, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Purchase order, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to 0.5 percent of the order value for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10 Percent. Once the maximum is reached, the Purchaser may consider termination of the Contract for Default.
84. **TERMINATION FOR DEFAULT:** The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part
- a. If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the contract, or within any extension thereof granted by the Purchaser
  - b. If the Supplier fails to perform any other obligation(s) under the Contract.
  - c. If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent or collusive or coercive practices.
- In the event the purchaser terminates the contract in whole or in part, he may take recourse to any one or more of the following action:
    - a. The Performance Security is to be forfeited;
    - b. The purchaser may procure, upon such terms and in such manner as it deems appropriate, stores similar to those undelivered, and the supplier shall be liable for all available actions against it in terms of the contract.
85. **TERMINATION FOR INSOLVENCY:** The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser.
86. **SETTLEMENT OF DISPUTES:** The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
87. **APPLICABLE LAW:** The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction.
88. **NOTICES:** Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing and confirmed to the other party's address specified in the Purchase Order.
89. **SITE PREPARATION AND INSTALLATION:** The Purchaser is solely responsible for the construction of the equipment sites in compliance with the technical and environmental specifications. The Purchaser will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the Equipment, if required. The supplier shall inform the purchaser about the site preparation, if applicable, needed for installation, of the goods at the purchaser's site immediately after placement of Purchase Order.
90. Commercial Invoice produced by Reprographic system or automated computerized system marked as original not acceptable.
91. Please re-check the prices, terms and conditions and other important terms of your offer before submission as you are bound to accept the same in case your offer is evaluated as Lowest Bid.
92. CDFD will not entertain any typographical errors / mistakes made by the bidder in their quote as the evaluation of the bids is done based on the bid submitted as on the due date and no change of prices or any terms and conditions will be considered under any circumstances.

#### DECLARATION

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

Sign. of Bidder

Name:

Company Seal:

## CHAPTER 3

### TECHNICAL SPECIFICATIONS FOR OF SPECTRAL LASER SCANNING CONFOCAL MICROSCOPE

Please quote for highly sensitive and high resolution Spectral Laser Scanning Confocal Microscope capable of imaging for live and fixed sample for biological applications. The system should be capable of multi channel Fluorescence imaging with Z-stack, time-lapse, co-localization, FRET, FRAP, photon counting, photo uncaging, photo activation, and photo conversion imaging and analysis with the following minimum specifications

#### **Microscope:**

- # Fully Motorized Inverted Fluorescence Research Microscope for Bright Field/DIC/Fluorescence with dedicated TFT/LCD display for full control of Microscope.
- # Motorized XY Scanning piezo/ galvo stage (mountable on X-Y stage) with universal sample holders for slides, 35/60mm Petri dish, and other live cell sample holders like 6 well plate, 96 well plate for tile, mosaic and multi point imaging.
- # 20,000 Hours or better LED Transmitted and Reflected Light illumination System with fully software control.
- # Hardware based control of focus drift during long term live cell imaging (software controlled).
- # Motorized 6 position DIC nose piece, motorized BF/DIC Condenser, 6 position motorized fluorescence filter turret for sample visualization and camera based imaging must be provided.
- # Fluorescence Band pass filter sets for DAPI, GFP/FITC, and TRITC/Rhodamine should be offered.
- # Monochrome cooled CCD camera with high pixel resolution controlled by confocal software with multichannel, z stack, time series imaging
- # High precision built in Z-focus drive with step resolution of 25nm or better.
- # Facility for live cell imaging including Incubation system with Temperature, CO<sub>2</sub>, humidity control and complete safety regulations should be offered. The parameters for Incubation system should be controlled by confocal software for seamless integration and parameters control.
- # An active anti-vibration table with compressed air damping for the complete microscope system should be available as standard attachment.

**Objectives:** High resolution confocal grade objectives corrected for both UV & VIS lines for Bright Field, Fluorescence and DIC applications.

- # 10X (NA 0.3 or better) long working distance
- # 20X (NA 0.75 or better) – Plan Achromat
- # 40X oil immersion lens (NA 1.3 or better) – Plan Achromat
- # 60X or 63X Oil Immersion (NA 1.4 or better) – Plan Achromat
- # Quote for shift free DIC accessories for all objectives, DIC and fluorescence images should exactly overlap, there should not be any pixel shift.

Contd....

**Eyepieces:** Anti fungus type 10 X/B with diopter adjustment in both eyes with FOV 20mm or more and eye cups along with eyepiece dust cover.

### **Confocal Attachments:**

#### **Scanning Module:**

# High resolution, wide spectrum Photo Multiplier Tube and HyD/GaAsP detector units. The detection system should be capable of both intensity based confocal imaging and spectral confocal imaging covering entire visible range. Should be available with 2 PMT and 2 GaAsP/HyD with QE>45% for imaging fluorophores in the complete Vis Spectrum.

# Scanner unit should have LASER ports for Vis, UV and IR lasers. It should include high efficient excitation laser suppression beam splitting device with low angle of incidence dichroic.

# The scanning system should be able to record at least 2 fluorescence channels simultaneously and at least 4 Fluorochromes sequentially in the channel or spectral mode.

The system should be capable of resolving the following Fluorophores in the channel or spectral mode.

- Hoechst/DAPI/Alexa 405/CFP
- GFP/Alexa 488/FITC
- YFP
- TRITC/Rhodamine/DsRed/RFP
- Texas Red/ mCherry/ Alexa 568/ Alexa 594
- Alexa 633/ Cy5/ Alexa 647

Note that the spectral detectors should be capable of spectral unmixing to

- (a) Detect samples dual labeled with GFP and YFP, and
- (b) Reduce background auto fluorescence.

Independent X, Y galvanometer scanner with fly back. Resolution capability of scanner should be at least up to 2048 X 2048 pixels. Selectable different scanning speeds with minimum speed of 5-7 fps for resolution of 512X512 pixel for fixed samples and higher speeds of at least 100 fps for 512X16 pixel for bidirectional ROI imaging of live samples. ROI scan and bleach with various shapes should be possible for FRAP experiments.

Line scanning mode with Selectable lines. Digital variable magnification (from 0.75X to 20X or more) in adjustable increments of 0.1, at least 200° free scan rotation in 1° increment, at least 18-20 mm or better diagonal scan field in the intermediate image plane, Motorized pinhole with a continuously variable diameter, Beam splitters to direct emitted light to channels, and suppress outstanding laser line,

Data depth of 8, 12 and 16 bit (Selectable).

An additional transmitted light detector should be offered for bright field and DIC imaging.

#### **LASER Module:**

Individually variable power solid state/ Diode/Gas or combination LASER with complete AOTF control for fast Laser switching and attenuation. Laser ports for UV/405nm, Vis, IR and additional ports for future upgrades. Optical fiber/ direct coupling to scanning module.

# 405-408nm

# 440-460nm

# 488nm (multi line laser for simultaneous imaging of GFP and CFP),

# 514nm

Contd...

# 550-565nm,

# 594nm (optional)

# 630-640nm lines with direct modulation,

All lasers supplied should have 8,000 hours or better lifetime and carry a warranty of 3 years or more.

### **High Resolution Imaging attachment:**

- # Fully integrated, automated and motorized real-time / online High resolution attachment with suitable high sensitive Detectors for complete Visible Spectrum.
- # The system should be able to work in high resolution mode, high speed mode, high sensitivity mode as well as and Confocal Mode for normal imaging for all applications that can be expected out of the system.
- # Lateral resolution of 140-150 nm or better and Axial resolution of at least 350-400 nm or better should be expected out of the system.
- # Detection should be based on GaAsP/HyD or high sensitive detectors.
- # At least 2 Fluorophores imaging in simultaneous mode should be possible with the High resolution system. Any dye used for confocal system can be used for imaging without changing sample preparation techniques/protocol. Should be able to perform at least 4 Fluorophores imaging in sequential mode.
- # Should be able to perform live cell High resolution imaging. All laser lines for Confocal Imaging (Vis and IR laser) should be used for imaging in HR mode. Frame rates in HR mode should be approx. 5 – 20 fps @512X512 and should improve with ROI.

### **Control Module:**

The control module should have real time integration of Computer, Microscope control, LASER control, Scanner control, Monitoring of data acquisition, and synchronization of different parts and accessories, etc.

### **Software:**

Two sets of Software should be supplied with the system, one for controlling and running the equipment and another for offline analysis. The software must have all the standard features like configuration of microscope, LASER power, Scanning Module, System self-test with calibration, automatic setting of system according to selection of different dyes, Acquisition of spot, line, frame, Z-Stack, wavelength stack, time series, and all combination of X, Y & Z with time, Ratio, averaging & Summing, selection of scan area, real ROI scan, Localized Bleach, ROI Bleach, FRAP using of different LASER lines for different ROI, Changing of Excitation lines during acquisition of multi fluorescence, sequential acquisition of image stacks with spectral information, spectral un mixing capability, presentation of captured image in XY, Orthogonal, 3D section, 2.5D for time & line scan etc.

### **Additional requirements:**

- a) Three year comprehensive and two year extended warranty on all parts including lasers.
- b) Downtime for repair should be a maximum of one month with financial liabilities upon delay of service.

### **Workstation:**

Two suitable Branded computers with latest configuration for controlling the Microscope, above Software and for offline analysis. Separate PC for image processing with offline software/dongles.

Contd...

**Control computer and Monitor:**

Latest 64 bit control computer with at least Intel Xeon 10 Core Processor, DDR RAM 48GB, HDD: 4 TB SATA upgradable to 8 TB or better, Cuda enabled GPU, DVD, Super Multi SATA +R/RW, Graphics : AT Fire GL V5200 256MB DH DVI, Gigabit Ethernet, Win 7 Ultimate 64 bit, USB 2.0, Fire wire. Large 30" LCD TFT monitor.

**Input supply:** 230 V AC 50Hz.

# Please quote all above items separately or by splitting for selection purpose.

# Detailed service manual must be supplied along with instrument.

# Detailed Operating manual for Instrument as well as Software must be supplied with the Instrument.

# Full detailed catalog with clear picture must be included with the quotation.

# On site training should be provided as part of the Installation to users at CDFD. (Training should include working on all the Lasers that are provided with the System and data analysis with the software included in the bid.)

# During the training the vendor must demonstrate the performance specifications of the system like resolution, sensitivity, scanning speed, working distance of objectives, etc. at optimal operating conditions.

# Please quote for Annual Maintenance Contract charges for three subsequent years after the completion of the warranty period. The AMC must include Periodic Preventive Maintenance as per the schedules to be agreed with the User and Instrumentation personnel and breakdown calls.

# Any upgrades in software or hardware (Instrument) introduced by the manufacturer should be intimated to the user. All mandatory upgrades by the manufacturer should be performed as and when the manufacturer introduces both in software and instrument hardware.

# Instrument quoted should be a complete system in all respects; any additional accessories required for the instrument to operate should also be quoted as part of the instrument and should be supplied along with the Instrument. Also any special pre-installation requirements needed for optimal performance of the system should clearly be mentioned in the quote.

Sign. of Bidder

**PART II (Price Bid)**

## CHAPTER-IV

**PRICE SCHEDULE**

Sl. No	Description	Qty	Unit Price	Discount	Taxes (if any)	Total Amount
1	Spectral LASER Scanning Confocal Microscope (Please refer to the detailed Specifications as per Chapter 3)	1 No.				
2	Workstations	2 Nos.				
3	Control Computer and Monitor	1 No.				
4	Other Requirements, if any, please list out					
5	Total Ex-works value					
	Add: FOB Charges / Packing Charges if any					
	Add : CIF/CIP Charges					
	Total: CIF/CIP/ICD Hyderabad Value					
	Total Price till CDFD Stores (for INR quote)					
	Amount in Words :					

**Note:**

- I. The Bidder may please fill in this form or the same may be typewritten on the Letter Head of the Bidder exactly as per the above format and submit the same as per the instructions given in the tender document.
- II. The above price bid should be kept in a separate cover duly super scribed as price bid and the price details are to be shown only in the price bid but not in any other document.
- III. In case of INR quote please include all duties, taxes, transportation, delivery charges up to CDFD Stores.

Sign. of Bidder



## CHAPTER V OTHER FORMATS

- a. Bid Covering Letter - (Annexure-A)
- b. Manufacturers' Authorization Form - (Annexure B)
- c. Bank Guarantee Format for Bid Security Form / Earnest Money Deposit Form (Annexure – C)
- d. Bank Guarantee Format for Performance Security Form - (Annexure-D)
- e. Check List - (Annexure-E)

### **BID COVERING LETTER - Annexure-A**

*[The Bidder shall type this Form on their Letter Head and enclose this along with Technical Bid (Part-I).]*

To:

**The I/c – Stores & Purchase  
Centre for DNA Fingerprinting & Diagnostics,  
Uppal: Opp :Water Tank, Beside: BSNL Tel. Exchange  
HYDERABAD – 500039.**

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda (if any)
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Tender Document
- (c) Our bid shall be valid for from the date fixed for the bid submission deadline, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (d) If our bid is accepted, we commit to obtain a performance security for due performance of the Contract;
- (e) We understand that this bid, together with your written acceptance thereof included in your notification of award/placement of Order, shall constitute a binding contract between us.
- (f) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed:

Name:

Duly authorized to sign the bid for and on behalf of:

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

**MANUFACTURERS' AUTHORIZATION FORM (Annexure-B)**

**No:**  
**The I/c – Stores & Purchase,**  
**Centre for DNA Fingerprinting & Diagnostics,**  
**Uppal: Opp :Water Tank, Beside: BSNL Tel. Exchange**  
**HYDERABAD – 500039.**

**Dated:** \_\_\_\_\_

Dear Sir:

We \_\_\_\_\_ who are established and reputed manufacturers of the equipment having factories at \_\_\_\_\_ (address of factory) do hereby authorize M/s. (Name and address of Agent) to submit a bid, negotiate and receive the order from you against your Tender No. \_\_\_\_\_ dt. \_\_\_\_\_.

No company or firm or individual other than M/s. \_\_\_\_\_ is authorized to bid, and conclude the contract in regard to this business.

We hereby extend our full guarantee and warranty as per the Terms and Conditions of the above Tender for the goods and services offered by the above firm.

**Yours faithfully,**

**Sign:**

**Name:**

**Note:** This letter of authority should be on the **letterhead of the manufacturer** and should be signed by a person competent and having the power of attorney to bind the manufacturer. It should be enclosed by the Bidder in its Technical Bid (PART-I).

**BANK GUARANTEE FORMAT FOR SUBMISSION OF BID SECURITY / EARNEST  
MONEY DEPOSIT – Annexure-C**

Whereas \_\_\_\_\_ (hereinafter called the tenderer) has submitted their offer dated \_\_\_\_\_ for the supply of \_\_\_\_\_ (hereinafter called the tender) Against the purchaser's tender enquiry No. \_\_\_\_\_

KNOW ALL MEN by these presents that WE \_\_\_\_\_ of \_\_\_\_\_ having our registered office at \_\_\_\_\_ are bound unto \_\_\_\_\_ (hereinafter called the "Purchaser") In the sum of \_\_\_\_\_

For which payment will 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 \_\_\_\_\_ 20 \_\_\_\_\_.

THE CONDITIONS OF THIS OBLIGATION ARE:

- (1) If the tenderer withdraws or amends, impairs or derogates from the Tender in any respect within the period of validity of this tender.
- (2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:
  - a) If the tenderer fails to furnish the Performance Security for the due Performance of the contract.
  - b) Fails or refuses to accept/execute the contract.

We undertake to pay 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 the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)

Name and designation of the officer

Seal, name & address of the Bank and address of the Branch

**BANK GUARANTEE FORMAT FOR SUBMISSION OF PERFORMANCE SECURITY**  
**FORM – Annexure-D**

(TO BE SUBMITTED BY THE SUCCESSFUL BIDDER AFTER RECEIPT OF THE PURCHASE ORDER)

To

(Name of Purchaser)

WHEREAS \_\_\_\_\_

(Name and address of the supplier) ((hereinafter called "the Supplier") has undertaken, in pursuance of contract No. \_\_\_\_\_ dated \_\_\_\_\_ 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 scheduled commercial recognized by you 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), 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 until the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(Signature of the authorized officer of the Bank)

Name and designation of the Officer

Seal, name & address of the Bank and address of the Branch.

### CHECK LIST – ANNEXURE-E

S. No.	Particulars	Indicate Yes/No	Enclosure No.
1	Copy of Firm Registration attached		
2	Copy of GST attached		
3	Copy of Latest IT Returns attached		
4	Bid Covering Letter attached		
5	Detailed Quotation along with Terms and Conditions attached		
6	CDFD Tender Document duly signed and stamped on all the pages attached		
7	Copy of the Price bid without mentioning the price details		
8	Authorization Certificates from OEM attached		
9	Bid Security / EMD Submitted		
10	Exemption claimed for EMD / BG and proof attached		
11	Purchase Order Copies attached		
12	Compliance Statement as per CDFD Specifications		
13	CDFD Payment Terms accepted		
14	All Items quoted as per the Specifications		

**NOTE:** Please fill this Checklist and attach with the Technical Bid failing which your Bid will be liable for rejection.

SIGNATURE OF BIDDER WITH SEAL:

Email ID:

Contact Number: