

**BHARATHIAR UNIVERSITY : COIMBATORE 641 046**

**TENDER NOTICE**

**Ref.No. C7/DST-PURSE/10904/2018**

**Date. 09.05.2018**

Sealed Tenders are invited by the Registrar, Bharathiar University, Coimbatore 641 046 up to 3.00 P.M on **08.06.2018** (Separate Technical bid and Commercial bid) from the ISO Certified firms for the supply and installation of DNA Sequencer under DST-PURSE (Phase-II) Program.

<p><b>TENDER COST: Rs. 15,750/- EMD: Rs.1,00,000/-</b> <b>LAST DATE FOR SUBMISSION OF TENDERS: 08.06.2018 up to 3.00P.M.</b> <b>TECHNICAL BIDS OPENING DATE : 08.06.2018 at 4.00 P.M.</b></p>
---

For Tender document and details of Terms & Conditions can be downloaded from our website [www.b-u.ac.in](http://www.b-u.ac.in) and [www.tenders.tn.gov.in](http://www.tenders.tn.gov.in) between **14.05.2018 to 08.06.2018**

**NOTE :**For any clarifications please contact

**Dr. M.Ramesh Prof& Head, Dept.of Zoology**

**Ph.No. 0422- 2428491 during office hours**

**REGISTRAR i/c**  
**BHARATHIAR UNIVERSITY**

**BHARATHIAR UNIVERSITY –COIMBATORE 641 046**

**TENDER CONDITIONS AND INSTRUCTIONS FOR THE SUPPLY AND  
INSTALLATION OF DNA SEQUENCER**

1. Sealed Tenders will be received by the **Registrar, Bharathiar University from the ISO Certified firms** up to **3.00 p.m. on 08.06.2018** for the **supply and installation of DNA Sequencer under DST-PURSE (Phase-II) Program** as specified in the schedule (**Appendix I**).
2. Tender should be addressed to the Registrar, Bharathiar University and should be only in sealed covers by Registered post/ or in person. Tenders received in ordinary covers without seal will not be considered.
3. The tender cover with **Ref.No. should be superscribed as “Tender for the supply and installation of DNA Sequencer under PURSE (Phase-II) Program.** The covers received without such superscription will be rejected summarily. All covers containing the tender should be sealed. Separate sealed covers should be used for technical and price bid and please be superscribed on the cover
4. **Technical Bids will be opened on 08.06.2018 at 4.00 p.m. by the Registrar or his/her nominee in the presence of the tenderers** or their representatives who may be present at the time of opening. The representatives of the tendering firms who are attending during opening of the tenders should bring a letter of authorization from the tendering firms, which they represent to identify their bonafied.
5. Each tender shall be accompanied with the requisite Tender Cost of **Rs.15,750/- and EMD of Rs.1,00,000/-** in the form of DD drawn in one of the Nationalised Banks in the name of “Registrar, Bharathiar University” payable at Coimbatore. Cheques and Bank Guarantees will not be accepted. EMD will not carry any interest.

The tender submitted without the earnest money deposit be summarily rejected provided that any category of tenderers specifically exempted by the Government from the payment of earnest money deposit /tender cost necessary certificate should be enclosed for exemption otherwise it will be liable for rejection.

6. Tenders received late will be returned to the tenderer unopened.
7. Any quote where the financial bid is included in the technical bid will be summarily rejected.
8. a) The tender should contain particulars like the name and address of the Tenderers, Net rate including GST, transportation, delivery, installation and commissioning of the above equipments .  
b) The rates will be kept firm for 180 days from the date of the opening of the Tenders in acceptance.  
c) The rate should be quoted both in words and figures with detailed technical specification, make and model. Any scoring or overwriting should be attested by the tenders with full signature. The rate quoted should be firm and should not be subject to any variation clauses.  
d) University shall not pay increase in duties, taxes and surcharges on account of any revision by the Government at the time of supply and installation.

- e) Supply shall be as per the specifications mentioned in the Appendix and according at the time of supply
- f) Supply shall be as per the specifications mentioned in the Appendix and according at the time of supply.
- g) The tender should quote as per the tender specifications of the equipment only. Option shall be given separately.
- h) The tender form (Annexure I & II) should be completed in all respects. Wherever the information is not relevant to your bid, the space should be appropriately filled with 'NA or NIL'. No space shall be left blank. All the crucial documents should be signed and enclosed otherwise the tenders are likely to be rejected.
- i) If the given space is insufficient to give required information, additional sheets may be added. Each such additional page shall be numbered consecutively and shall bear our tender reference number and signature of bidder or his/her authorized agent.

**9. Faxed bids are liable to be rejected.**

- 10. The tender shall be valid for a maximum period of 180 days from the date of opening. If the tender validity is less than 180 days the tender will be rejected as non-responsive tender. Tenderer should not withdraw his tender after the tenders are opened. In case the tender is withdrawn after it opened, the EMD will be forfeited and black listed.
- 11. The EMD of the unsuccessful tenders will be refunded immediately after the tenders are disposed of by the competent authority.
- 12. Successful tenderer shall execute an agreement for the fulfillment of contract in the stamp paper in the model form. The conditions stipulated in the form should be strictly adhered to and violation of any of the conditions will entail termination of the contract without prejudice to be right of the University and to recover any consequential loss from the successful tenderer.
- 13. Successful tenderer shall remit the **Security deposit 6.5% to the order value** Security Deposit will be refunded at the end of warranty period subject to the satisfaction of the University. The EMD may be adjusted towards Security deposit payable.
- 14. If the successful tenderer failed to act upto the tender or backs out when his tender accepted, security deposit will also be forfeited to department.
- 15.a)The material should be supplied strictly in accordance with the specifications given in the Appendix and should fulfill the successful tests carried out by the Competent Authority of the University. The supply and installation should be made as per the delivery schedule to be sent by the Registrar along with the exact location of the work. The guarantee period shall take effect from the date of installation. Successful tenderer shall be liable to change any defective part during the warranty period. In either case the damaged or defective items will have to be taken back at supplier's cost and risk.
- 16.The commissioning and installation should be completed within the stipulated period mentioned in the supply order. If the supply is not made within the period, the supply order will be cancelled and the EMD & Security deposit will be forfeited.
- 17 The materials are to be guaranteed for atleast one year of installation and commissioning against manufacturing defect and bad workmanship. The warranty period specified will commence from the date of installation.

18. The materials quoted shall confirm to ISI standard. The make of the materials shall be mentioned in the tender.
19. Any dispute arising out of this contract shall be settled only at the court having jurisdiction of Coimbatore.
20. The authority competent to accept the tender reserves the right to reject or accept any tender without assigning any reasons thereof.
21. Regarding the acceptance of supply with reference to the specification and quality of materials supplied, the decision of Registrar shall be final.

22. **Price:**

- a) **For Imported:** The Price shall be quoted in Currency for CIF Chennai /CIP Chennai / FOR Coimbatore. If the equipment is imported but quoted in INR please quote the basic price inclusive of duties/GST as per the existing Govt.rules. If necessary, the required documents will be provided along with the supply order.
- b) **For Indigenous:** Quote the price in INR inclusive of GST and warranty. Separate charges for warranty will not be considered at any cost, should mention the valid GST Registration/ Numbers along with the copy of the registration Certificate.

22 The University is registered with DSIR and eligible for exemption towards customs duty as per the Government Notification No: 51/ 96 Customs Dt.23.7.1996.and Central excise duty as per Government Notification No.10/97 Central Excise Dt: 1.3.1997.

23 This University do not have IEC number and exempted from application of rules as per Foreign Trade for importers in certain cases since 1993. This is a Research Institution Permanent IEC numbers shall be used at the time of Customs clearance .

24 **The customs duty after providing duty exemption certificates if applicable as per customs tariff for the said equipments shall be paid by the local supplier /Clearing agent at the time of Customs clearance which will be reimbursed subject to the condition on submission of original customs bills to the University after delivering the equipment to the department concerned. Necessary documents will be provided after receipt of original invoice/Cargo Arrival/Shipment notice from the Principal Supplier.**

**The Customs clearance, transportation and delivery charges up to the University have to be borne by the firm.**

25. **PAYMENT:**

a) If the quoted price in currency . The payment will be made by irrevocable Letter of Credit (LC) / advance FDD(only copy) in favor of the Principal Supplier /Currency Wire Transfer to the Principal Supplier only after supply and installation of the equipment . Advance Currency Wire transfer is not applicable

b)If the quoted price in INR, the payment will be made after supply and installation. No advance payment will be made.

26. **Loss or Damage:** External damages or shortages that are prima facie the results of rough handling in transit or due to defective packing will be intimated within a fortnight from the date of receipt of the material, Internal defects, damages of any internal parts that cannot ordinary be exhibited on superficial inspection though due to bad handling in

transit or defective packing will be intimated within two months from the date of receipt of the stores. In either case the damaged or defective stores will have to be taken back at supplier's cost and risk.

- 27 **Guarantee:** The Supplier shall undertake to repair free of charge or replace any defective part of the equipment supplied due to defective or faulty design or bad workmanship during a period of three years from the date of commissioning of the equipment.
- 28 **Leaflets and Descriptive Literature:** Full descriptive particulars and manuals of the equipment offered should accompany the tender. Information regarding the country of manufacturer or origin of materials in the manufacture of articles should be furnished.
29. **Tests:** Manufacturer's certificate for the routine tests specified in the BSS of the test issue or as per manufacturer's standard practice should be forwarded in duplicate. The materials will be rejected, if the test results are not satisfactory.

30. **Penalty Clause:** The delivery should be guaranteed by you under the penalty clause mentioned hereunder:

"Should delivery be delayed by strike, lockouts, fire accidents or any cause whatsoever, beyond the reasonable control of the contractor and whether such delay or impediment occurs before or after the time or extended time for dispatch or completion, a reasonable extension time shall be granted.

If the contractor fails in due performance of this contract, within the time fixed by the contractor the extension thereof, the contractor is liable at discretion of the purchaser to a penalty of 4% per month of the contract value of such portion only of materials as cannot, in consequence of the delay, be used during each month between the appointed or extended time as the case may be and the actual time of acceptance, and such penalty shall be in full satisfaction of the contractor's liability for the delay but shall not in any case exceed 25 % of the contract value of such portion of the materials.

### **31 Additional Documents required for qualification**

- ISO Certificate
- Number of years standing in the business.
- Average turnover in the last three years.
- Backup facility for the warranty period.
- GST Number along with the copy of the registration Certificate
- PAN Number along with the copy of PAN
- Company Profile.
- Copy of the supply order and installation record at reputed institutions / organizations and sufficient service back-up in Tamil Nadu / South India
- Customer Satisfaction Certificate from any of the institutions/organization is to be attached with the Technical Bid And Price Bid.
- Any other relevant details in support of the items specified.

32. **Only qualified bidders will be considered for technical evaluation. The bidders who are disqualified in the Technical evaluation, the Commercial bid will not be considered.**

33. **Price bid evaluation will be done for imported inclusive of the customs duty /Customs clearance and other charges. For indigenous inclusive of all GST, warranty and other charges etc.**

34. The University will not offer any explanation to those tenderers whose technical bid has not been found acceptable by the technical evaluation committee.
35. Tenders will be considered only from the ISO certified Manufacturers / authorized distributors with sound technical and financial capabilities.
36. The University's general rules for the supply of the materials and works will apply on this purchase also.
37. Training at University Campus at free of charge.
38. **Tender shall be submitted with brief description, make and model number, technical specifications etc. along with catalogue/manual.**
39. No communications from any tenderer adding to/adhering or explaining any terms of the tender will be considered prior to the submission or after opening of the tenders by the competent authority
40. In case of any modifications in specifications/terms and conditions/ any clarifications to the bid document it will be hosted in our website only and bidders are requested to log on to our website from time to time regularly for any amendment and no separate corrigendum will be issued in this regard.
41. The tenderer must not be blacklisted by Central Government, State Government or Government of Corporations or any organization in India. A certificate or undertaking to this effect shall be submitted.
42. The tender shall be submitted subject to and agreeing the above terms and conditions duly attested and certified.

**SIGNATURE OF THE TENDERER**

**APPENDIX**

**TECHNICAL SPECIFICATION FOR GENETIC ANALYZER-1No.**

1. Equipment must be a compact single integrated unit. Should perform advance fully automated multi-capillary, fluorescence-based DNA Sequencing analysis.
2. Equipment should be a licensed version and the vendor should quote user

license to perform the sequencing reaction.

3. Equipment should be able to do high performance sequencing reaction on with wide range of chemicals and chemistry, not specific to any company. The consumables should be available through multiple vendors or authorized distributors.
4. Equipment should come with 8 or more capillaries in parallel. Employ capillary arrays that use bare silica capillaries with a usage life that exceeds 160 runs. The system should have an option to upgrade to more capillaries to meet future throughput necessities.
5. Equipment should have the capacity to perform Serial analysis of gene expression sequencing, expressed sequence tag sequencing, gene regulation studies, microbial diversity analysis, epigenetic change analysis, genome analysis as well as re-sequencing.
6. Equipment should have noise free CCD detection technology and a spectrograph for color separation.
7. Equipment should have the ability to detect and analyze 6 or more fluorescent dyes simultaneously for DNA fragment analysis.
8. Equipment should come with single line 505nm Solid State long life laser, utilizing a standard excitation source with power supply and without heat removal ducting.
9. Equipment should have signal uniformity and sensitivity with dual side illumination detection. It should be active at various temperatures in the range between 18 to 70° C.
10. Equipment should have option for different capillary sizes for smaller fragment and large fragment sequencing analysis.
11. Equipment should come with automatic Radio-Frequency Identification Technology to track key consumables data. In addition, the equipment should have the option to overcome the expiry date based bugs to run the system.
12. An anti-vibration table of any makes to be supplied for placing the equipment with appropriate dimensions.
13. The supplier should offer a personal computer along with the instrument with following specification to acquire raw data. Processor- Core™ i7-2600S Processor (2.8GHz), Operating system-Genuine Windows(R) 8 Home Premium, Memory-

8GB, Hard Drive-2TB 7200 RPM SATA Hard Drive, Monitor-FHD, 23" touch Screen.

14. In addition, the supplier should also supply an additional personal computer for data analysis with following specifications, Processor- Core™ i7-2600S Processor (2.8GHz), Operating system-Genuine Windows(R) 8 Home Premium, RAM Memory-12 or 16G B, Hard Drive- 2TB 7200 RPM SATA Hard Drive, Monitor - FHD. 27" touch Screen. Laser printer, scanner with accessories: Wireless hard disk with efficient virus scanner.
15. The vendor should supply all the necessary software's for de nova, contig assembly, Re-sequencing, Long Read Sequencing, comparative sequencing, Fragment analysis applications like SSR, ISSR, AFLP, HMA (Heteroduplex Mobility Assay), Microsatellite, Long Sizing, SSCP, SNP Validation and screening, Linkage analysis, LOH (Loss of Heterozygosity).
16. The software should allow real-time data quality evaluation providing immediate access to base-calling or size calling data to make decision about the quality of data as it is generated.
17. The vendor should supply all the necessary consumables and reagents to perform 1000 sequencing reactions along with the instrument at a free of cost. The reagents should be supplied in different installments as and when required, in a span of 1 year.
18. The supplier should perform installation at Free of cost and operator training should be provided by a vendor service engineer; local service engineers; regional technical support/applications training, on-site, in-lab customer training, technical phone support.
19. In addition, supplier should arrange operator training and two levels of application training at the site for 5-6 users. Besides, a full time technical person (man power) for university onsite support for two years to be arranged by the vendor.
20. The supplier should provide necessary accessories to store the consumables, DNA samples preferably with following features.
  - 1) Refrigerator: -0° to 4°C, 1400L capacity, Double glass door, CFC free
  - 2) Freezer: -12° to -25°C, 700L capacity, Solid door type, CFC free,

integrated controller, door ajar warning

- 3) Ultra low Upright Freezers: -50° to -80°C, 350-400L capacity, Double door, 2 stage cascade compressor, non CFC, microprocessor controlled with door ajar warning.
21. The supplier should provide necessary accessories to amplify the DNA samples for sequencing analysis with multi-well block (3 X 32 well) PCR system possessing gradient features to optimize the gene amplification.
22. The supplier should provide necessary accessories with on board controller to quantify nano-volume DNA samples to perform downstream DNA sequencing analysis. A system with both spectrophotometric as well as fluorometric DNA quantification capability, which also supports spectrophotometric analysis in both micro volume and cuvette modes.
23. The supplier should provide necessary accessories to separate and purify the DNA sample for sequencing analysis, preferably refrigerated centrifuge with fixed angle and swing bucket rotor with a capacity of 0 to 14,000 rpm speed. The centrifuge should also be supplied with exchangeable rotors (40-50 x 1.5/2.0 mL; 4-8x15/50mL; 2 place swing-bucket rotor for MTP, PCR and deep well plates) for downstream sequencing analysis.
24. Mini quick spin centrifuge to accommodate 0.2, 0.5, 1.5, 2.0 mL micro tubes and PCR strip tubes. Equipment should come with tool free, quick rotor exchange option.
25. The supplier should provide double-conversion on-line 5 KV UPS having switch-mode power supply and surge arrest, to maintain stable power supply in the event of power failure or fluctuation in voltage. The UPS with following specifications is preferable. Should protect connected loads from surges, spikes, lightning, and other power disturbances. Easy recovery from overloads without replacing the fuse. Surge energy rating 480 Joules. CE approval.
26. Vortex mixer with preferable following features should be supplied along with the sequencer. Low-profile design with small footprint; Continuous or pulsing functions; Speed Control: 0 to 3000 rpm; Built-in safety features regarding current overload.
27. Vertical laminar airflow with stand containing floor leveling screws- Vertical laminar airflow with HEPA filter. Working size in mm ( $\pm 200$ );

W1200xD585xH600; Timer controlled UV and fluorescent lights; Digital gauge control; Built in universal socket electric charge port - 2 nos; Built in pipette stand.

28. All the equipment must support 220 Volt, 50 Hz critical systems.
29. Micropipettes (2 sets): Single channel with variable volumes that fits universal tips (100- 1000ul, 20-200 ul, 5-50ul, 2-20 ul, 1-10ul, 0.1-2.5ul), Fully autoclavable, resistant to UV-light and harsh chemicals.
30. Tips: Boxed, low retention, sterile, RNase, DNase and pyrogen free aerosol barrier tips (1250ul, 200ul, 10ul)- 960 nos each.
31. RFID scanner, reader, printer with software re, for specimen labelling and tracking.
32. Equipment should come with three years (1+2) comprehensive warranty.
33. Software supporting DNA sequencing and data analysis:
  - a. Molecular Beacons- primer designing
  - b. DNA star Laser gene- 4 user license
34. Indian agents of foreign Principals must be enlisted with DGS&D if they wish to submit quote on behalf of their Principals.

### **SIGNATURE OF THE TENDERER**

**NOTE: The downloaded tender documents should also be submitted with seal and signature subject to agreeing the terms and conditions of the tender**

### **ANNEXURE – I**

#### **TECHNICAL BID**

**Tender reference No:** \_\_\_\_\_

1. Name and address of Bidder
2. The details of EMD  
Amount of EMD Rs. \_\_\_\_\_, DD No. \_\_\_\_\_ dt

Bank: \_\_\_\_\_

3. Due Date of bid :

4. The bid shall remain valid for acceptance for 180 days, from the date of tender opening.

5. Schedule of Requirements:

Sl. No	Brief description of stores	Qty Required	Qty Offered	Delivery	Unit price (Rs)	Total Cost (Rs)
				At Bharathiar University Coimbatore	To be filled in Annex:II	
(i)	GST		%	-	-	
(ii)	Wararanty5years-					
(ii)	Other charges, if any			-	-	
<b>Grand total cost in Rs.</b>						
Total cost (in words) _____ Rupees.						

**Note: (1) All columns must be filled up.**

**(2) Adhering to the format given above is a pre- requisite for considering your bid.**

**(3) Please indicate applicability.**

I/certify that I/We have completely read and understood and agree to all the terms & conditions given in Part II.

Date : \_\_\_\_\_ Signature of Bidder : \_\_\_\_\_

Office Stamp \_\_\_\_\_ Signing as : \_\_\_\_\_

Name in block letters : \_\_\_\_\_

:Mobile No. \_\_\_\_\_ Fax No. \_\_\_\_\_ e mail \_\_\_\_\_

**ANNEXURE: II**

**PRICE BID**

**Tender reference No: \_\_\_\_\_**

1. Name and address of Bidder
2. The details of EMD

Amount of EMD Rs. \_\_\_\_\_, DD No. \_\_\_\_\_ dt

Bank: \_\_\_\_\_

3. Due Date of bid :
4. The bid shall remain valid for acceptance for 180 days, from the date of tender opening.
5. Rates for items given in Techno-commercial offer at Schedule of requirements are as follows:

SINo	Brief description of stores				QtyOffered	Delivery	Unit price	Total Cost
						At Bharathiar University Coimbatore		
(i)	GST		%		-	-		
(ii)	Other charges, if any				-	-		
<b>Grand total</b>								
Total cost (in words)		Rupees.						

**NOTE :(1) All columns must be filled up.**

**(2) Adhering to the format given above is a pre- requisite for considering your bid.**

**(3) Please indicate applicability.**

Date : \_\_\_\_\_ Signature of Bidder : \_\_\_\_\_  
Office Stamp \_\_\_\_\_ Signing as : \_\_\_\_\_  
Name in block letters : \_\_\_\_\_  
Tele No. \_\_\_\_\_ Fax No. \_\_\_\_\_ e mail \_\_\_\_\_

**LETTER OF ACCEPTANCE**

**To**

**THE REGISTRAR  
BHARATHIARUNIVERSITY  
COIMBATORE – 641 046**

**I/We agree to furnish required supplies /services as detailed in the Tender schedule or such portions thereof as you may specify in the Acceptance of Tender in accordance with the General Terms and Conditions governing the contract / supply order enclosed hereto duly accepted on receipt of the order for the same.**

**I /We agree to hold this offer open until and shall be bound to supply / erection / erect the equipment and dispatch the same within the specified period.**

**I/ We agree to supply and commission /erect the equipment and complete the whole of the work and hand over to the purchaser within the period of weeks. From the date of receipt of intimation from you regarding acceptance of this tender / receipt of supply order.**

**Signature of the bidder  
With office stamp  
Name & Address**

**Station  
Date:**