



All-India Institute of Medical Sciences
Ansari Nagar, New Delhi-29.

(STORES SECTION (DO))

Dated: 5th March 2015

T. No.XX-240/SO (DO)/N.M./2014-15/FSC

Subject: Purchase of Automated DNA Sequencer for Department of Nuclear Medicine at AIIMS, New Delhi-29 on proprietary basis- **Inviting comments thereon.**

The Institute is in the process to purchase **Automated DNA Sequencer** for Department of Nuclear Medicine at AIIMS, New Delhi-29 from M/s.Life Technologies Holding Pte. Ltd. Singapore (Applied Biosystems) on proprietary basis. The proposal submitted by M/s.Vision Diagnostics (India) Pvt. Ltd. Delhi-91 and PAC certifications are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within issue of 15 days giving reference **T. No.XX-240/SO (DO)/N.M./2014-15/FSC**. The comments should be received by office of Sr. Stores Officer, Stores Section (DO), Animal House Building, Near Biotechnology Building at AIIMS on or before **23.03.2015 upto 12.30 p.m.**, failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Yours faithfully,

SR. STORES OFFICER

Encl: Related documents enclosed.

Automated DNA Sequencer

B. 65,00,000/-

1. Fully automated capillary, fluorescence, **Sanger-based DNA Sequencer**.
2. Minimum 8 Capillaries operating in parallel and must be upgradable to 24 capillaries.
3. Solid state laser with a life of more than 15000 hrs.
4. Advanced CCD detection technology with a capability of integration of new dyes without additional filters and features for high resolution color separation. System must be able to detect and analyze minimally 6 fluorescent dyes simultaneously for DNA fragment analysis to increase multiplexing
5. System should be fully automated system with a minimum **500- 800bp** read length and capacity for 2 x 96 plate and throughput of > 250 samples/ 24 hrs with QV 20. Additional features such as tracking consumables on the instrument is desirable.
6. Hardware and software compatible with the system for data processing, analysis of different types of experiments, data storage and transfer with antivirus package, multiple users licenses and an additional mobile workstation inbuilt software for sequence analysis and fragment analysis is essential .
7. Instrument should support consumables and software applications such as Fragment analysis MLPA, SSCP, SNP Validation, SSR, Mutation detection, Mitochondrial sequencing, HLA, Fingerprinting, Methylation, etc.
8. Real time analysis: System software should allow real-time data quality evaluation providing immediate access to base-called or size called data to make decision about the quality of data as it is generated.
9. System should be open to accommodate primers/ labeled primers from open source.
10. Free of cost system installation and operator training performed by a vendor service engineers.
11. The Vendor should have a good service (within 24 hrs) and application support back up along with instruments to provide an effective application related troubleshooting and support .The vendor should provide Application training on operation of the instrument, chemistry options and software in the lab.
12. Suitable UPS for running the system.
13. Free Start up reagents for 200 sequencing reactions

Handwritten signatures and notes in blue ink, including a date stamp: 21/11/14.

Invitrogen BioServices India Pvt. Ltd
302, Udyog Vihar Phase-II,
Gurgaon 122016, India
T +91 124 4793000, 4793300
F +91 124 4793397, 4793399

SECTION - XIV
MANUFACTURER'S AUTHORISATION FORM

Director
All India Institute of Medical Sciences,
Ansari Nagar,
New Delhi-110 029

संख्या/No. 111
दिधि/Date 28/1/15
समय/Time 3:30 बजे/AM.
समय/Time 3:30 बजे/AM.


Dear Sirs,

Ref: Tender No. XX-240/SO(DO)/N.M./2014-15/FSC-1

We, Invitrogen Bioservices India Pvt. Ltd., who are proven and reputable manufacturers of Automated DNA Sequencer, having factories at USA, UK, Singapore, Korea, hereby authorise M/s. Vision Diagnostic (I) Pvt. Ltd., A-10, IInd Floor, Acharya Niketan, Mayur Vihar Ph-1, Delhi -110 091, to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than M/s. Vision Diagnostic (I) Pvt. Ltd., A-10, IInd Floor, Acharya Niketan, Mayur Vihar Ph-1, Delhi -110 091, is authorised to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also hereby extend our full warranty, CMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

Yours faithfully,

Authorized Signatory

Date: 27th January 2015



TECHNICAL BID

The Director,
 All India Institute of Medical Sciences
 Ansari Nagar,
 New Delhi-110 029.

Dear Sir,

Ref: T.No.XX-240/SO/DO/N.M./2014-15/ FSC-I/ FOR THE PURCHASE OF AUTOMATED DNA SEQUENCER

Sl. No.	Part Number	Description	QTY
1	4405673	Applied Biosystems 3500 Genetic Analyzer (8 Capillary System) with Dell Computer and Monitor, Data Collection Software: Sailent Featers: - 8 Capillaries operating in parallel. - Option to upgrade to 24 capillaries. - Advanced thermal system design improves temperature control for demanding DNA fragment analysis applications. - Single-line 505nm, solid-state long-life laser- utilizes a standard power supply requires no heat removal - Significantly improved signal uniformity from instrument-to-instrument, run-to-run and capillary-to-capillary. - Powerful, integrated data collection and primary analysis software provide real time assessment of data quality. - Radio Frequency Identification (RFID) technology tracks key consumables data and records administrative information. - Advanced multiplexing capabilities for DNA fragment analysis with upto six unique dyes. - Radio Frequency Identification (RFID) technology tracks key consumables data and records administrative information. - Advanced multiplexing capabilities for DNA fragment analysis with upto six unique dyes. - Unnvaled application flexibility - one array and onepolymer are used for most applications. - Simple setup, operation and maintenance - the easiest-to-run, easiest-to-own, DNA sequencer to date.	01
	4443764	Sequencing Analysis software, Gene mapper Software, Seqscape and Variant Reporter software module	01
	4405778	3500 Sequencing and Fragment Analysis Install Kit.	01

Molecular Diagnostics Simplified

01	4443764	SW-SEQA- SS- VR & GM -	01
02	NPN	2KVA online UPS with 30min back up	01

Warranty: 60 months from the date of installation or 63 months from the date of Shipment whichever is earlier.



Item/No. 111
 Date 28/1/15
 3
 OFFICE/AM
 OTHER/PM

Vision Diagnostic (India) Pvt. Ltd.

Head Office

A-10, IInd Floor, Acharya Niketan, Mayur Vihar, Phase-1, Delhi - 110 091 (India)
 Tel.: +91-11-2279 3914, 22757525, 22757535, 4215 3532, 4805 4332
 Fax : +91-11-2279 4914
 mail: info@vision-groups.com web: www.vision-groups.com

Bangalore

A-202, Bridge Majestic Complex, No.- 25, First Main Road, Gandhi Nagar, Bangalore-560 009
 mail : bangalore@vision-groups.com

Mumbai

Shop No.- 19, Emerald Apts., Parsi Panchayat Road, Andheri (East), Mumbai-400 069
 mail : mumbai@vision-groups.com

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR NEW DELHI-29

PROPRIETARY/ Specific Brand Goods Certificate

1. Item/Type/Model No. required : **Automated DNA Sequencer**
along with specifications.
2. Is the item a spare part attachment or: To be used in Nuclear Medicine
accessory for an existing equipment. **Laboratory**
3. Name of the Manufacturers **M/s Life Technologies Holding Pte Ltd.**
Supplier the item proposed by the indenter. **Singapore 138670**
4. Are they sole manufacturers/Sole: **'Yes'**
distributors of the item
5. Is there any other item with similar/equivalent **-No-**
specification available in the market to meet the
job requirement envisaged. If the answer is Yes,
why the same can't be procured. Demanding Officer
should bring out comparative functional
advantages/cost effectiveness of the recommended
item from these offered by other.
6. What were the efforts made to locate alternative: **Substitute is not available**
source of supply or use other substitutes
7. Why open/limited tender can't be resorted to: This is proprietary of
Proprietary technology for locating **M/s Life Technologies Holding Pte Ltd.**
Alternative source **Singapore 138670**
8. Are the proprietary items certifying that **Rates are reasonable.**
the rates are reasonable or not
9. Any other justification for procuring **Items are to be imported**
Item from single source. **and are not available in India**

Made: T. Rajad.
Signature of Indenter
Demanding Officer

[Signature]
Counter Signed
Head of the Dept.

I certify that item at Sr.No.1 above is required to be procured on single tender basis as the source of supply is definitely known/the specified brand proposed was advantages in meeting our functional requirements and limited tender system could be dispensed with as they would serve no useful purposed in this particular case.

TO WHOM-SO-EVER IT MAY CONCERN

Proprietary Certificate

This is certified that the **ABI PRISM 3500** Genetic Analyzer/DNA Sequencer having the part number 4405673 by M/s Applied Biosystems, (Part of Life Technologies) and US patent number 5171534, 5332666, 5567292, 5821058 has the following proprietary/unique features combined in a single instrument system:


1. The system uses internally uncoated capillaries (an array of 8 capillaries) with patented Performance Optimized Polymer which enhance the capillary life and run time considerably. It also has a provision optionally to upgrade from 8 capillary to 24 capillary system to meet the future throughput.
2. The system is a fully automated platform with a choice of either 96 well Autosampler, which provides complete walk away automation.
3. The system uses a single line 505nm Solid State long life laser utilizing a standard power supply.
4. The system detects and analyzes 6 fluorescent dyes simultaneously. The detection system composed of a spectrograph and a peltier-cooled charged coupled device (CCD) and provides multicolor detection.
5. Software generated "virtual filters" for fluorescent detection and it will readily accommodate new dyes and applications as they become available without requiring changes in the optical hardware.
6. The system is capable of running "one polymer one array" for both the sequencing and genotyping application, enabling the user to seamlessly switch between sequencing and fragment analysis runs, even in the same plate.
7. Having Radio-Frequency identification technology to tracks key consumables data.
8. The system also provides the flexibility to use different lengths of capillaries for variety of applications.
9. The system is capable of running 6-dye chemistry for genotyping applications and uses the sixth generation Big Dye Terminator version 1.1 & 3.1 chemistry for the sequencing applications.

All the features mentioned above are incorporated in ABI Prism 3500 Genetic Analyzer. No DNA Sequencer other than ABI PRISM 3500 offers all the unique features mentioned above

Yours faithfully



Authorized Signatory


डॉ. सी.एस. बाल/Dr. C.S. BAL
आचार्य एवं निभागाध्यक्ष/PROFESSOR & HEAD
नाभिकीय चिकित्सा एवं पी.ई.टी. विभाग
DEPT. OF NUCLEAR MEDICINE & PET
अ. मा. आ. सं., नई दिल्ली-110029
A.I.I.M.S., NEW DELHI-110029