



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

**(STORES SECTION (DO))**

**Dated: 14<sup>th</sup> November 2015**

**Ref. No.41/Stores (DO)/TII/PAC/2015-16/FSC**

**Subject:** Proposal for purchase of DNA Sequencer 24 Capillary (Sanger Method) for Department of TII at AIIMS on proprietary basis - **Inviting comments thereon.**

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The Institute is in the process to purchase “**DNA Sequencer 24 Capillary (Sanger Method)**” for Department of TII at AIIMS, New Delhi-29 from M/s.Applied Biosystems (Part of Thermo Fisher Scientific) on proprietary basis. The proposal submitted by M/s.Applied Biosystems, (Part of Thermo Fisher Scientific) (Manufacturer)/M/s.Vision Diagnostics (India) Pvt. Ltd. Delhi-91 (Authorized Agent) and PAC certifications are attached for ready reference.

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 **Ref. No.41/Stores (DO)/TII/PAC/2015-16/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 **01.12.2015 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.**

**Department of Transplant Immunology & Immunogenetics  
All India Institute of Medical Sciences  
New Delhi – 110 029**

04<sup>th</sup> November, 2015

K.D. Sharma  
Sr. Stores Officer,  
AIIMS

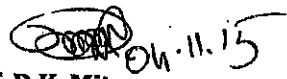
**Subject: Purchase of DNA Sequencer on Proprietary basis under Machinery & Equipment (Plan) 2015-16**

Dear Mr. Sharma,

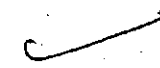
We need a DNA sequencer urgently in our department. The existing sequencer is nearly 15 years old and suffers frequent breakdowns. Since most manufacturers have stopped production of DNA sequencer (by Sanger Method), the product is now solely available with M/s. Thermo Fisher Scientific India Pvt. Ltd.

The detailed specifications for this equipment have been prepared and are being submitted herewith. The specifications are broad-based and were finalized in way so as not to benefit any particular manufacturer or supplier and that the specifications for each item were finalized by a committee and the final approved and signed specifications for each are attached. The items concerned are :

1. DNA sequencer 24 capillary (Sanger Method).

  
**Prof. D.K. Mitra**  
Head of the Department

Prof. D K Mitra, Head  
Department of Transplant  
Immunology & Immunogenetics  
A.I.I.M.S., New Delhi - 110029

  
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**Department of Transplant Immunology & Immunogenetics**  
**All India Institute of Medical Sciences**  
**New Delhi – 110 029**

Dated: 20/10/2015

**Subject: Specifications for DNA Sequencer – 24 Capillary**

The specification committee was held on Tuesday, 20<sup>th</sup> October, 2015 at 12:00 PM in the office of the HOD. The specifications for "Fully Automated DNA Sequencer – 24 Capillary" to be purchased on proprietary basis in the FY 2015-16 were finalized and are listed below:

**Specifications for Fully Automated DNA Sequencer – 24 Capillary**

1. Fully automated, 24 capillary (operating in parallel), fluorescence-based DNA sequencer for sequencing by Sanger procedure. (Only licensed version of the system should be quoted).
2. System should have capillary arrays having bare silica capillaries (uncoated) with a useful life exceeding 150 runs.
3. Should be able to perform re-sequencing, bacterial sequencing, long read sequencing, comparative sequencing, fragment analysis applications like SSR, ISSR, & microbial fingerprinting, microsatellite, long sizing, SNP Validation and screening, allele calling and re-basecalling etc.
4. Excitation should be from a single line 505 nm solid-state laser utilizing a standard power supply and should not require extra heatsink.
5. Should have fully integrated 96 & 384 well sample plates and standard/fast tubes, providing continuous, unattended operation for every phase of the process, including automated polymer-loading, sample injection, separation, detection and data analysis for a true automation.
6. Should have cooled CCD dye detection technology and a spectrograph for colour separation.
7. System must be able to detect and analyze six fluorescent dyes simultaneously for DNA fragment analysis.
8. Should have simultaneous dual-side capillary illumination detection system to maximize signal uniformity and sensitivity.
9. Should have active temperature cooling/heating that can maintain temperatures from 18°C to 70°C.
10. System should have a sequencing throughput of  $\geq 830$  samples/day having  $\geq 500$ bp read length with QV20, system should also support at least 850-1000 base pair read length.
11. System should support electrophoresis voltage of upto 20.0 kV.
12. Should be supplied with a high-end compatible data analysis workstation from the source / OEM manufacturer.
13. System must be supplied with latest and original licensed software(s) optimized for the instrument in the area of de-novo, re-sequencing, long read sequencing, and comparative sequencing, Fragment analysis applications like SSR, AFLP & microbial finger printing, microsatellite, long-sizing, SNP validation screening & linkage analysis. Future upgrades of software should be supplied free of cost till the life of machine.
14. 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.
15. System should be supplied with applications-specific kits and sequencing reagents (100 test Identifier Kit and 50 test kit for HLA sequencing) from the manufacturer.
16. System should be installed free of cost and operator training performed by qualified personnel from the manufacturer. The vendor will also provide application training on the instrument, on chemistry options and software after installation.
17. Vendor should provide a dedicated well trained operator stationed at site, to handle the system and impart training at company's expenses for two years following satisfactory installation. The operator will be selected by a joint selection committee including representatives from the company and Dept. of T.I.I., AIIMS under the chairmanship of HOD, T.I.I., AIIMS.
18. Vendor should have a good technical and application service and support network. All technical faults should be attended to within 72 hrs. Vendor should provide an installation list for the last five years (incl. all available models) across India.
19. System should run on 230 Volt, 50 Hz AC current and should be supplied with a suitable UPS system having a power backup of 120 minutes.
20. System should be quoted with five years complete cover warranty and additional five years comprehensive maintenance contract.

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20.10.15

*Amik*  
20.10.15

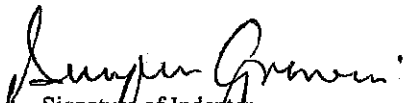
*K. Sarda*

*(Signature)*  
20.10.15

*(Signature)*  
20.10.15

**ALL INDIA INSTITUTE OF MEDICAL SCIENCE  
ANSARI NAGAR, NEW DELHI-110029  
PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE**

- |    |  |  |
|----|--|--|
| 1. | Item/Type/Model No. required<br>alongwith specification  | : 3500XL Fully Automated Genetic Analyzer - 24<br>capillary systems  |
| 2. | Is the item a space part attachment<br>or accessory for an existing equipment  | : No   |
| 3. | Name of the manufactures/supplier<br>of the item proposed by the Indenter  | : Vision Diagnostic is Sole Distributor of M/s<br>ThermoFisher Scientific, USA   |
| 4. | Are they sole manufacturers/sold<br>distributors of the item   | : Yes  |
| 5. | Is there any other item with similar/<br>equipment specification available in<br>The market to meet the job requirement<br>envisaged. If the answer is yes, why the<br>same can't be procured. Demanding officer<br>should bring out comparative functional<br>advantages/cost effectiveness of the<br>recommended item form these offered by other. | : No   |
| 6. | What were the efforts made to locate<br>alternative Source of supply or use other<br>substitutes.  | : N/A  |
| 7. | Why open/limited tender can't be resorted<br>to, for locating alternative source.  | : Proprietary Item, No other source is available.  |
| 8. | Are the proprietary item certifying that the<br>rates are reasonable or not.   | : Yes, (Letter enclosed)   |
| 9. | Any other justification for procuring item<br>From single source.  | : Life Technology Part of ThermoFisher Scientific,<br>USA is the only manufacturer of this product.<br>No other source is available. |

  
Signature of Indenter  
(Demanding Officer)

000004.11.15  
COUNTERSIGNED  
(Head of the Department)  
Prof. D.K. Mitra, Head  
Department of Transplant  
Immunology & Immunogenetics  
All India Institute of Medical Science  
New Delhi - 110029

I certified that the 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 requirement and limited tender system could be dispensed with as they would serve no useful purpose in this particular case.

(Strike out whichever is not applicable)

Ref: vdip/2015-16/721

Dated: 23/10/2015

**PERFORMA INVOICE**

To,  
The Director,  
AIIMS,  
Ansari Nagar, New Delhi -110029

**Kind Attn: Prof. D.K. Mitra, HOD, Dept. of Transplant Immunology and Immuno-Genetics.**

**Subject: Performa Invoice for 3500XL Fully Automated Genetic Analyzer - 24 capillary system**

Dear Sir,

This is with above reference, Please find below our best possible prices for your kind consideration. Our quoted Product is from "Life Technologies" Part of Thermo Fisher Scientific, USA

Molecular Diagnostics Simplified

S.No	Description	Qty	Unit Price (INR)	Total Price (INR)
1	<b>Applied Biosystems 3500XL Genetic Analyzer (24 capillary system) with Dell Computer and Monitor, Data Collection Software and includes:</b> <ul style="list-style-type: none"> <li>- 24 Capillaries operating in parallel.</li> <li>- Advanced thermal system design improves temperature control for demanding DNA fragment analysis applications.</li> <li>- Single-line 505nm, solid-state long-life laser-utilizes a standard power supply requires no heat removal.</li> <li>- Significantly improved signal uniformity from instrument-to-instrument, run-to-run and capillary-to-capillary.</li> <li>- Powerful, integrated data collection and primary analysis software provide real time assessment of data quality.</li> <li>- Radio Frequency Identification (RFID) technology tracks key consumables data and records administrative information.</li> <li>- Advanced multiplexing capabilities for DNA fragment analysis with upto six unique dyes.</li> <li>- Unrivalled application flexibility - one array and one polymer are used for most applications.</li> <li>- Simple setup, operation and maintenance - the easiest-to-run, easiest-to-own, DNA sequencer to date.</li> </ul> <b>Part Number : 4405633</b>	1	2,18,00,000.00	2,18,00,000.00
2	Sequencing Analysis software, Genemapper	1	Included	Included

**Vision Diagnostic (India) Pvt. Ltd.**

**Registered Office:**

A-10, 11nd Floor, Acharya Niketan,  
Mayur Vihar, Phase-1,  
Delhi - 110 091 (India)  
info@vision-groups.com

Tel.: +91 -11-2279 3914  
4215 3532, 4805 4332  
www.vision-groups.com

**Corporate Office:**

FFSR 9A & 9B, First Floor,  
Ansal Premium Corporate Park,  
Ansal Plaza, Sector-1,  
Vaishali, Ghaziabad

**Mumbai:**

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

	Software, Seqscape and Variant Reporter software module Part Number : 4443764			
3	3500 /3500xl Sequencing and Fragment Analysis Install Kit. Part Number : 4406933	1	Included	Included
4	Skilled Man Power for the period of Two year for running the Instruments at user end.	1	12,00,000.00	12,00,000.00
Sub Total			2,30,00,000.00	
Special Institutional Discount @ 30% on Item Sr. No-1			65,40,000.00	
Total Price after Discount			1,64,60,000.00	

Rs. One hundred and sixty five lakhsonly.

Note:

1. 2 KVA online UPS is included in above offer from local source.

**TERMS & CONDITIONS:**

Molecular Diagnostics Simplified

- CDEC Certificate will be required at the time of clearance.
- DVAT Will be 5% extra on quoted price.
- Prices quoted are valid until 31<sup>st</sup> March 2016.
- Prices given are for only the configuration/model/part code referred to above.
- Payment Terms: Net 30 Days after successful installation against I Note.
- Delivery: Delivery will be made within 6-10 weeks after receipt of confirmed order.
- Comprehensive Warranty: 5 Years from the date of INSTALLATION.

CMC:- Please find below the CMC charges after expiry of 5 Years Warranty Period.

- 6<sup>th</sup> Year :- Rs.8,80,000.00 per year.
- 7<sup>th</sup> Year:- Rs.8,80,000.00 per year.
- 8<sup>th</sup> Year:- Rs.9,33,800.00 per year.
- 9<sup>th</sup> Year :Rs.9,68,000.00 per year.
- 10<sup>th</sup> Year : Rs.10,64,800.00 per year.

Please note that Service Tax (Actual) will be charged extra on the above – mentioned CMC charges.

Thanking You,  
Yours Faithfully,

For VISION DAIGNOSTIC (I) PVT. LTD.

*[Signature]*  
AUTHORISED SIGNATORY



*[Signature]*  
04/11/15

**Vision Diagnostic (India) Pvt. Ltd.**

**Registered Office:**

A-10, IInd Floor, Acharya Niketan,  
Mayur Vihar, Phase-1,  
Delhi - 110 091 (India)  
Info@vision-groups.com

Tel.: +91 -11-2279 3914  
4215 3532, 4805 4332  
www.vision-groups.com

**Corporate Office:**

FFSR 9A & 9B, First Floor,  
Ansal Premium Corporate Sults,  
Ansal Plaza, Sector-1,  
Vaishali, Ghaziabad

**Mumbai:**

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

**TO WHOM-SO-EVER IT MAY CONCERN**

This is to certify that the ABI 3500XL Genetic Analyzer having the Part Number 4405633 manufactured by M/s. Applied Biosystems, (Part of Thermo Fisher Scientific) and US patent number 5171534, 5332666, 5567292, 5821058 has the following proprietary/unique features combined in a single instrument system:

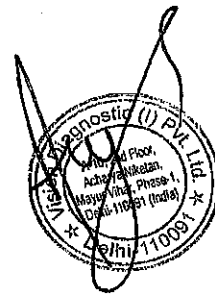
1. The system uses internally uncoated capillaries (an array of 24 capillaries) with patented Performance Optimized Polymer which enhance the capillary life and run time considerably.
2. The system is a fully automated platform with a choice of either 96 or 384 well Autosampler, which provides complete walk away automation.
3. 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.
4. 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.
5. 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.
6. Having Radio-Frequency identification technology to tracks key consumables data.
7. 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 3500XL Genetic Analyzer. No DNA sequencer other than ABI 3500XL instrument available with 24 capillary.

For **Invitrogen BioServices India Pvt Ltd.**



04.11.15



ATTACHED  
GOVT. OF INDIA

**Invitrogen BioServices India Pvt. Ltd.**  
372, Udyog Vihar, Phase-II, Gurgaon 122 016, Haryana, India  
T +91 124 6722800, F +91 124 6722850, 6722851

23 JUL 2016

