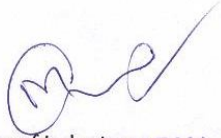
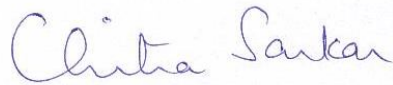


ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110029

PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE

- | | |
|---|--|
| 1. Item/Type/model No. required along with specification. | Capillary based Sanger Sequencer |
| 2. Is the item a spare part attachment or accessory for an existing equipment. | Capillary based Sanger Sequencer |
| 3. Name of the manufacturers/supplier of the item proposed by the indenter. | M/s Applied Biosystems, USA (subsidiary of M/S Thermo- fisher Scientific, USA)/
M/s Vision Diagnostic (India) Pvt. Ltd, Delhi |
| 4. Are they sole manufacturers/sold distributors of the item. | Yes |
| 5. Is there any other item with similar/equivalent 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. | -No |
| 6. What were the efforts made to locate alternative source of supply of use other substitutes. | - Tendered (G T No. 16/CNC/NP/2015-16) |
| 7. Why open/limited tender can't be resorted to, for locating alternative source. | -Proprietary item, no other source is available & US Patent |
| 8. Are the proprietary items certifying that the rates reasonable or not. | Yes |
| 9. Any other justification for procuring item from single source. | This is a proprietary and US Patent item of the firm and No other make or brand is available in the world. |


Signature of Indenter
(Demanding Officer)
Dr. M. S. SHARMA
Professor
Department of Pathology
A.I.I.M.S., New Delhi-29


(COUNTERSIGNED)
(Head of the Department)
Dr. CHITRA SANKAR
Professor
Department of Pathology
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
New Delhi- 110029, India

I certify 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 requirements and limited tender system could be dispensed with as they would serve on useful purpose in this particular case.

Neuropathology Laboratory

CAPILLARY BASED SANGER SEQUENCER – 1 No.

SPECIFICATIONS:

1. The system should be a fully automated with at least 24-capillary, fluorescence-based genetic analysis system for automated re-sequencing, long read sequencing, comparative sequencing, fragment analysis applications like simple sequence repeat (SSR), Inter Simple Sequence Repeats (ISSR), microsatellite, long sizing, SNP validation and screening, allele calling.
2. All the above applications should run on a single polymer and capillary array system.
3. The system should detect and analyze 4 to 6 fluorescent dyes simultaneously using sensitive detection technology and a spectrograph for color separation for DNA sequencing and fragment analysis.
4. The system should contain long life laser, utilizing a standard power supply and no requirement for heat-removal ducting.
5. The system should contain 96X2 and 384X2 well micro plate format for sample loading, and automated gel / matrix replenishment system.
6. The system should have precision temperature cooling/heating system to maintain temperatures from 18°C to 70° C.
7. The sequencing throughput should be ≥ 800 bp read length with more than 98% accuracy and resolution less than 2 bp.
8. The system should come with the real-time data monitoring and evaluation software.
9. The vendor must supply softwares that are optimized for the instrument in the area of de novo, Re-sequencing, long read sequencing, and comparative sequencing, fragment analysis

Vishal Kumar
Sujale

Chitra Sankar
Arun

Rajesh
Kishan
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applications like SSR, Amplified fragment length polymorphism (AFLP), microsatellite, long sizing, SNP validation and screening, and linkage analysis.

10. The system should be capable of sequencing and fragment analysis for human and animal species identification, cell line confirmation, family pedigree studies, ancient DNA analysis and DNA data basing work.
11. Onsite training by trained service engineer and application scientist to be provided free of cost for at least 5 sessions/ 2weeks
12. Regional technical and service supports to be provided within 24 hours.
13. Documented proof of around ten installations of the similar equipment in India to be provided.
14. Should be supplied with compatible top end latest model desktops computer configuring Xenon processor, 64 GB RAM, 2TB HDD, 24" monitor compatible with system, compatible UPS with 1 hour back up at the time of installation and software with antivirus applicable for 5 years.
15. Reagents should be available with the vendor with different pack size for flexibility of use to match low, medium and high throughput needs of user.
16. Reagents should have longer shelf life of at least 6 months or more.
17. The system must have provision to track the usage/number of injections to optimize usage.
18. The Principal supplier/Manufacturer should supply all required consumables/reagents either directly or through their Indian authorized agent within maximum 30 days time from the date of receipt of purchase order.

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Phukan

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A. S.

19. A 5 KVA UPS, Voltage 220/240 V with at least 60 min power back up must be supplied to support the sequencer.

20. Following consumables should be quoted with the instrument and price of each item should be quoted separately

- i. Fast sequencing polymer to support 384 well plate rxns X 25 nos.
- ii. Standard sequencing polymer to support 384 well plate rxns X 25 nos.
- iii. Short read sequencing polymer to support 384 well plate rxns X 25 nos.
- iv. Sequencing Capillary 50 cm: 4 nos.
- v. Sequencing Capillary 36 cm: 2 nos.
- vi. Rapid DNA cycle sequencing kit 100 rxn: 2 nos.
- vii. SNaPshot multiplex ready reaction mix 100 rxn: 2 nos.
- viii. Fragment analysis ready reaction mix and standards 100 rxn: 2 nos.
- ix. Fluorescent dye terminator sequencing kit 100 rxn: 4 nos.
- x. Sequencing standards kit: 2
- xi. Capillary buffers: 5 litre
- xii. Sequencing reaction purification kit for 1000 rxns: 1 no.
- xiii. 384 well plate with rubber sealer: 50 nos.

21. Warranty : 5 years onsite comprehensive including spares and 5 years without spares.

22. Penalty clause: In no case the instrument should remain in non-working condition for more than 72 hours, beyond which a penalty of 2% of machine cost will be charged per day.

23. The vendor should have a good service and application support backup along with instruments to provide an effective application related trouble shooting and support (Response time <24 hours).

Vaishalishan Duttan

Singh

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Kiran M. Das

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24. All technical bids comparative statement to the tender specifications must be enclosed along with the reference page no. paragraph no. from the original catalogue of equipment. The bid for the particular equipment may be summarily rejected in case bid fails to provide compliance statement with its reference from the catalogue.
25. Onsite demonstration of instrument from bidding firms should be provided if required
26. Undertaking from the specifications committee stating that the specifications are broad based, general in respect to the requirement of instrument and not made to suit any particular firm or brand.

Dr. Chitra Sarkar
Professor, Neuropathology
AIIMS, New Delhi

Dr. M.C. Sharma
Professor, Neuropathology
AIIMS, New Delhi
Department of Pathology
A.I.I.M.S., New Delhi-29

Dr. Vaishali Suri
Addl. Professor, Neuropathology
AIIMS, New Delhi

Dr. P Chattopadhyay,
Professor, Biochemistry
AIIMS, New Delhi

Dr. Kunzhang Chosdol
Professor, Biochemistry
AIIMS, New Delhi

Dr. Ashish Suri
Professor, Neurosurgery
AIIMS, New Delhi

Dr. Kiran Mishra
Professor & HOD Dept of Pathology
UCMS, Delhi
(external expert)

Dr. KIRAN MISHRA
Head of the Department
Department of Pathology
University College of Medical Sciences
& Guru Teg Bahadur Hospital
Dilshad Garden, Delhi-110095

Prof A. K Mandal
(DGHS Representative)
HOD Dept of Pathology
VMC & Safdarjung Hospital
New Delhi

डॉ. ए. के. मंडल / Dr. A. K. MANDAL
निदेशक, अध्यापक एवं विभागप्रमुख
Director, Professor & Head
विकृति विज्ञान विभाग / Dept. of Pathology
वीएमसी एवं सफदरजुंग अस्पताल
V.M.C. & Safdarjung Hospital
नई दिल्ली-110029 / New Delhi-110029

Dr. Sujata Chaturvedi
Professor, Dept of Pathology
IBHAS, Delhi
(external expert)

Dr. SUJATA CHATURVEDI
Regn. No. 33128 (MCI)
Professor & Head
Dept. of Pathology
IBHAS, Delhi-110095



Invitrogen BioServices India Pvt. Ltd.
2nd Floor, 372, Udyog Vihar Phase-II,
Gurgaon, Haryana-122 016.

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 Lifetechnologies) 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.
3. The system is a fully automated platform with a choice of either 96 or 384 well Autosampler, which provides complete walk away automation.
4. The system detect and analyze 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 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 all the unique features mentioned above

For **Invitrogen Bioservices India Pvt Ltd.**

D.K.G.

Authorized Signatory



ATTESTED
[Signature]
Notary Public



Invitrogen BioServices India Pvt. Ltd.
2nd Floor, 372, Udyog Vihar Phase-II,
Gurgaon, Haryana-122 016.
Tel: 0124 - 4793300
Fax: 0124 - 2843397, 98 & 99

5th January 2016

Director
All India Institute of Medical Sciences
Ansari Nagar
New Delhi-110029

Sub: Authorization letter.

Dear Sir,

We hereby confirm that M/s. Vision Diagnostic (I) Pvt. Ltd., A-10, IInd Floor, Acharya Niketan, Mayur Vihar Ph-1, Delhi -110 091, is our authorized dealer for your esteemed institution. They are authorized to quote Invitrogen and Applied Biosystems Reagents and Consumables against your enquiries in INR only. They are also authorized to receive orders, make supply and collect the payment thereof.

Please note that, M/s. Invitrogen BioServices India Pvt. Ltd., shall be free to include / exclude / change the distributor and shall inform your institution of any such change if made, in writing.

This Authorization is Valid Till 31.12.2016.

For Invitrogen Bioservices India Pvt.Ltd.


Authorized Signatory



ATTESTED

Notary Public, Delhi

3 FEB 2016



DATED: 04TH FEB, 2016

To,
The Chief,
CN CENTRE,
AIIMS, Ansari Nagar,
New Delhi-110029

SUB : Price reasonable certificate

This is to certify that we, Vision Diagnostic (India) Pvt. Ltd. is giving an undertaking that the prices quoted for Capillary based Sanger sequencer are not higher than what we had quoted to other Government hospitals and institutes across the country in the Financial year 2015-16.

If you need any further information, please feel free to contact us.

Thanking you,

For Vision Diagnostic (India) Pvt. Ltd.

Authorized Signatory

Molecular Diagnostics Simplified

Vision Diagnostic (India) Pvt. Ltd.

Registered Office:

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info@vision-groups.com

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4215 3532, 4805 4332
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Ansal Plaza, Sector-1,
Vaishali, Ghaziabad

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