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Tender Details

Date: 13-Oct-2023 11:37 AM



Basic Details				
Organisation Chain	All India Institute of Medical S	Sciences Stores Division Store NCI	Jhajjar	
Tender Reference Number	IR-35/IRCH/LOU/2023-24(PAC)			
Tender ID	2023_AIIMC_730538_1			
Tender Type	Open Tender	Open Tender Form of contract Buy		
Tender Category	Goods	No. of Covers	2	
Payment Mode	Not Applicable	Is Multi Currency Allowed For BOQ	No	
Is Multi Currency Allowed For Fee	No			

Cover Deta	nils, No. Of Covers - 2		
Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Upload documents if any objection against procurement as per NIT
2	Finance	.xls	BOQ

Tender Fee De	tails, [T	otal Fee in ₹ * - (0.00]	EMD Fee Details	<u>s</u>		
Tender Fee in ₹	0.00			EMD Amount in ₹	0.00	EMD Exemption	NA
Fee Payable To	NA	Fee Payable At	NA			Allowed	
Tender Fee	NA			EMD Fee Type	NA	EMD Percentage	NA
Exemption				EMD Payable To	NA	EMD Payable At	NA
Allowed							

Work /Item(s)					
Title	Procurement of	Next Generation Sequence	ching Machine		
Work Description	Procurement of	Next Generation Sequence	ching Machine		
Pre Qualification Details	Please refer Ten	Please refer Tender documents.			
Tender Value in ₹	3,50,00,000	Product Category	Medical Equipments/Waste	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	270	Period Of Work(Days)	180
Location	Room No. 18 Ground Floor, Dr.BRAIRCH, AIIMS	Pincode	110029	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	Room No. 18 Ground Floor, Dr.BRAIRCH, AIIMS

<u>Critical Dates</u>			
Publish Date	13-Oct-2023 12:00 PM	Bid Opening Date	30-Oct-2023 11:00 AM
Document Download / Sale Start Date	13-Oct-2023 12:00 PM	Document Download / Sale End Date	28-Oct-2023 05:00 PM
Clarification Start Date	13-Oct-2023 12:00 PM	Clarification End Date	20-Oct-2023 05:00 PM
Bid Submission Start Date	20-Oct-2023 05:05 PM	Bid Submission End Date	28-Oct-2023 05:00 PM

NIT Document	S.No Document Name 1 Tendernotice_1.pdf		Description		Document Size (in KB)	
			NIT		3376.6	
Work Item Documents	S.No	Document Type	Documer	nt Name	Description	Document Size (in KB)

Tender Inviting Au	<u>ithority</u>
Name	Stores Officer ,DR.BRAIRCH
Address	Room No. 18 Ground Floor, Dr.BRAIRCH, AIIMS New Delhi-110029

Tender Creator	<u>Details</u>
Created By	Virender Kumar
Designation	Store Keeper (General)
Created Date	13-Oct-2023 11:33 AM

F.No. 01/IRCH/M&E/2022-23/1 ALL INDIA INSTITUTE OF MEDICAL SCIENCES DR. B.R.A. INSTITUTE OF ROTARY CANCER HOSPITAL

Ansari Nagar, Delhi – 110029

Date: 12.10.2023

1

Subject: Proposal for procurement of "Next Generation Sequencing Machine – 01 No" for Lab Oncology Unit at Dr. BRAIRCH, AIIMS, New Delhi – 110029 on PAC basis and inviting comments/objections if any.

Dr. B.R.A. Institute of Rotary Cancer Hospital, Delhi is in the process of procuring of "Next Generation Sequencing Machine – 01No" on PAC basis for the Lab Oncology Unit at Dr. Brich, AIIMS, New Delhi.

Therefore, these documents are being uploaded for open information to all the leading manufacturers or their authorized distributors to invite comments and/or objections, if any, regarding the proprietary nature of the above product.

Comments/Objections, if any, should be received on or before 30.10.2023 upto 05:00 PM in the office of "Store Officer, Room No. 18, Ground Floor, Dr. BRAIRCH, AIIMS, Ansari Nagar, Delhi – 110029" with contact details, failing which, it will be assumed that no other bidder/manufacturer/seller has any comments/objections against the proposal and the case will be decided purely on merits.

This is issue with the approval of the Competent Authority, Dr. BRAIRCH

Manohar Arya

Store Officer, Dr. BRAIRCH

Enclosures:-

- PAC duly signed by the User Dept.
- Specifications duly signed by the TSEC.
- Proprietary Article Certificate from Principal Firm.
- OEM Authorisation Certificate.

Technical Specifications of Next Generation Sequencing Machine **Estimated Cost: 350 lacs**

- 1. The next-generation sequencing (NGS) system should be a compact benchtop model with minimal footprint and capable of supporting wide range of clinical applications including targeted panel-based testing, Whole exome sequencing, RNA sequencing, shotgun and rRNA metagenomics.
- 2. System should be capable of performing fully automated template nucleic acid amplification, sequencing, paired end run and data analysis.
- 3. The workflow should be fully automated from loading of sample to clonal amplification to sequencing.
- 4. The system chemistry should enable automated sequencing of read length of at least 300 bases using sequencing by synthesis.
- 5. Sequencing throughput: System should offer scalable sequencing outputs to support a broad range of applications, including metagenomic sequencing, de-novo sequencing and re-sequencing of microbes, complete de-novo sequencing and resequencing of higher eukaryotes including human genome, ChIP sequencing, transcriptome sequencing (microbial, plants and human), etc. Requisite Minimum outputs- Generate ≤30 GB data from 300 bp sequencing chemistry and ≤200 million paired end reads; Requisite Maximum outputs: Generate ≥100 GB data from 300 bp sequencing chemistry and ≥600 million paired end reads in a single run
- 6. Sequencing output generated should have at least 99.9% raw accuracy with high quality data, i.e., base calling accuracy of 1:1000 including GC rich regions, indels and
- 7. Base call accuracy should be directly derived from intensity data.
- 8. Average noise level in data should be below 5%.
- 9. The sequencing protocol should be able to perform sequencing even with low input DNA, degraded samples FFPE tissue or with lower quality DNA /RNA sample.
- 10. The sequencer should be able to accurately read through >15 base pair long nucleotide repeat sites in genome to ensure accurate sequencing of homopolymers.
- 11. System should be able to sequence multiple samples at a time with option of using barcodes for sample multiplexing (up to 384).
- 12. System should have inbuilt hardware for ultra-rapid secondary analysis for a wide variety of genomic analysis solutions, including base call (BCL) file conversion, compression, mapping, alignment, sorting, duplicate marking, and variant calling.
- 13. System should offer On-Board Pipeline for whole exome, targeted resequencing, whole transcriptome expression and fusion detection.

गुरविन्दर कौर वेज्ञानिव scientis भी.रा.अ. सं Dr. B.R.A. IRC

डॉ॰ ऋत् गुप्ता/Dr. RITU GUPTA प्रभारी आचार्य / Professor & Officer-in-Charge प्रयोगशाला अबुर्दविज्ञान / Laboratory Oncology डॉ॰भी॰रा॰अ॰,सं॰रो॰कॅसर अस्पताल/Dr. B.R.A., IRCH अ॰भा॰आ॰, संः नई दिल्ली/४ । I M.S. New Delhi-110029

GIFO: SANJEEV KUMAR GUPTA डी एनं बी, डी एम/MD, DNB, DM अपर आचार्य/Additional Professor गिराला अर्बुदविज्ञान/Laboratory Oncology संस्थान रोटरी कैंसर अस्पताला Institute Rotary Cancer अखिल भारतीय आयुर्विज्ञान संस्थान नई दिल्ली-१९० All India institute of Medical Sciences, New Delhi-1100

- 14. The data analysis module should enable real time analysis and should have seamless integration of data output with cloud computing environment to avoid manual data transfer and analysis.
- 15. Vendor should upgrade the software as and when required during warranty as well as during CAMC period without any additional charges.
- 16. The system should be offered with all the required ancillary instruments including nucleic acid fragment analyzer, luminometer based Nucleic Acid Quantification system, 96 well PCR system for nucleic acid amplification, Variable speed plate shaker, Refrigerated Plate centrifuge with plate rotor, 96 well magnetic stand and 12/16 tube magnetic stand. All ancillary equipment should be of highest quality and as per protocol recommendations to ensure compete workflow for Next generation Sequencing.
- 17. The server provided with the system should be of highest quality with latest Dual intel Xeon processors (16 core or more), at least 128 GB RAM, 2TB SSD SAS, professional GPU card with at least 16GB onboard RAM, 10Gbe quad port network card and an additional 24TB RAID data storage. Latest Linux (RedHat Enterprise) and Windows Server OS to be supplied separately with multi-user licenses and installation media.
- 18. System should be user friendly with intuitive touch screen user interface and RFID tracking for minimal user intervention.
- 19. System should run on 220-240V, 50/60 Hz AC current and should be supplied with India compatible power cords.
- 20. Vendor should offer onsite training to multiple users and conduct multiple wet labs with bioinformatics to fully train the designated technical personnel.
- 21. Site preparation for installation as per requirement of equipment including appropriate air conditioning, dehumidifier for humidity control and 5.0 KVA Online UPS with 120 minutes backup should be done by the vendor.
- 22. System should be quoted with five years complete cover warranty and additional five years comprehensive maintenance contract. Preventive maintenance visits as per manufacturer's recommendations should be undertaken during warranty period, in addition to the breakdown / service calls.
- 23. Demonstration of the quoted equipment, if desired by committee, will be mandatory at AIIMS, New Delhi premises, failing which bid will be summarily rejected.

Transport of Dr Gurvinder Kaur अवानिक विशेष, प्रयोगमाला अवुधिवान बकाई विज्ञानिक हितीय, प्रयागशाला अवुयायकान क्ष्माव Unit Scientist-II, Laboratory तार्च हिल्लो १९००२६ काराज संशोक जना अभाजाता. त्रं हिल्लो ११००२ काराज संशोक जना अभाजाता. डा. मास.अ. स.स.क.अ.. अ.सा.जा.स.. वर्ष विक्ला प्रमण्यदेष Dr. B.R.A. IRCH, A.I.I.M.S., New Delhi-110029

डॉ॰ ऋतु गुप्ता/Dr. RITU GUPTA प्रभारी आचार्य / Professor & Officer-in-Charge प्रयोगशाला अबुर्दविज्ञान / Laboratory Oncology डॉ॰भी॰रा॰अ॰,सं॰रो॰कैंसर अस्पताल/Dr. B.R.A., IRCH अ.भा.आ., सं., नई दिल्ली/A I I M S. New Delhi-110029

TYTIVOT, SANJEEV KUMAR GUPTA एम डी, डी एन बी, डी एम/MD, DNB, DM आचार्य/Additional Professor अर्बुदविज्ञान/Laboratory Oncology

संस्थान रोटरी कैंसर अस्पताल। Institute Rotary Cancer Hosp अखिल भारतीय आयुर्विज्ञान संस्थान नई दिल्ली-All India Institute of Medical Sciences, New Delhi-110029





MANUFACTURER'S AUTHORISATION FORM

To

Director All India Institute of Medical Sciences Sri Aurobindo Marg, Ansari Nagar, Ansari Nagar East, New Delhi-110029 India

Dear Sir,

Illumina Singapore Pte. Ltd. ("We") is a subsidiary of Illumina, Inc., a Delaware corporation, and we have our registered address at 29 Woodlands Industrial Park E1, North Tech Lobby 3, #02-13/18, Singapore 757716. We are the manufacturers of Illumina Sequencing Systems & Microarray Systems and consumables for the Sequencing Systems and Microarray Systems and Software & Analysis products (referred to as "Goods"), having factories at 5200 Illumina Way, San Diego, CA 92122, United States of America, and/or 25861 Industrial Blvd., Hayward, CA 94545 USA, and/or 29 Woodlands Industrial Park E1, North Tech, Lobby 3, #02-13/18, Singapore 757716,.

We, hereby authorize **Messrs. Premas Life Sciences Pvt. Ltd.**, E-49/5, 2nd Floor, Okhla Industrial Area, Phase – II, New Delhi – 110020, India (referred to as "**Premas**") to submit a tender, process the same and to further enter into a contract for the Goods manufactured by us. We further confirm that Premas is the only authorized party to provide services and support for the Goods during the first year warranty period and to offer any extended warranty services for the Goods.

Channel Partner is responsible for product promotion, training, after sales service, distribution, offering, negotiation and entering into contracts for Illumina branded products within the territory of India.

We further confirm the price quoted by Premas for the Goods by manufactured by us is based on like quality and quantity Goods purchased under similar circumstances.

Yours faithfully

Name: Tan Kah Ling, Mavis

Title: Vice President, Global Operations Finance For and behalf of Illumina Singapore Pte. Ltd.



Proprietary Letter

To Whom It May Concern

Illumina Singapore Pte. Ltd. ("**We**") is a subsidiary of Illumina, Inc., a Delaware corporation, and we have our registered address at 29 Woodlands Industrial Park E1, North Tech Lobby 3, #02-13/18, Singapore 757716. We are the manufacturer of the Illumina Sequencing Systems & Microarray Systems and consumables for the Sequencing Systems and Microarray Systems and Software & Analysis products. We hereby, confirm that the following product is manufactured by Illumina Singapore Pte. Ltd. and contain technology that is proprietary to Illumina, Inc..

Catalog #	Product Description
20038898	NextSeq 1000 Sequencing System Illumina NextSeq 1000 Sequencing System is an integrated system for automated generation of DNA clonal clusters by bridge amplification, sequencing, primary analysis, and secondary analysis. System includes embedded touchscreen monitor and on-instrument computer, control software, hardware accelerated Dragen Bio-IT secondary analysis pipelines, Installation and training, and 12 months warranty (including parts and labor).

Yours faithfully

Name: Tan Kah Ling, Mavis

Title: Vice President, Global Operations Finance For and behalf of Illumina Singapore Pte. Ltd.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES DR.B.R.A.I.R.C.H ANSARI NAGAR, NEW DELHI-110029

PROPRIETORY/SPECIFIC BRAND GOODS CERTIFICATE

1.	Item /Type/Model No. required along with specification	Illumina NextSeq 1000 Sequencing system
2.	Is the item a spare part attachment or accessory for an existing equipment	No
3.	Name of the manufactures/supplier of the item proposed by the indenter	M/S Illumina Singapore Pte. Ltd Through M/S Premas Life Sciences Pvt. Ltd.
4.	Are the sole manufactures/sole distributors of the item	Proprietary certificate attached
5.	It there any other item with similar/equipment specification available in the market to meet the job requirement envisaged. Of the answer is yes, why the same can't be procured.	No. The platform uses the most widely adopted sequencing chemistry with simultaneous addition of all four bases for the competitive sequencing reaction and the platform is upgradable to higher version in future.
6.	What were the efforts made to locate alternative source of supply or use other substitutes	Internet and local market search
7.	Why open/limited tender can't be resorted to, for locating alternative source.	Can be done
8.	Are the proprietary items certifying that the rates are reasonable or not	May be negotiated
9.	Any other justification for procuring item for single source.	No

As the item mentioned is of regular use, Fix the rate till CAMC period of the machine on proprietary basis

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

COUNTERSIGN 32 17 22 RITU GUPTA

(Head of the Departmen plessor & Officer-in-Chaige partmen sayalant / Laboratory Oncology प्रयोगशाला अबुचीवतान / Laboratory Oncology प्रयोगशाला अबुचीवतान / Laboratory Oncology उत्तर अस्पताल/Dr. B.R.A., IRCH अ.मा.आ. रां. नई दिल्ली/A.I.I.M.S., New Delhi-110029

Faculty member

डॉ॰ संजीव कुमार गुलागाः SANLEEV KUMAR GUPTA एन ही, की एन ही, की एन(MD, DNB, DM

आसार्याProfessor
आसार्याProfessor
प्रयोगशाला अर्बुदविज्ञाना, aboratory Oncology
अयोगशाला अर्बुदविज्ञाना, aboratory Cancer Hospital
संस्थान रोटरी कैंसर अस्पतालो Institute Rotary Cancer Hospital
संस्थान रोटरी कैंसर अस्पतालों महार्यान नई दिल्ली—9900२६
अखिल अस्पतीय आयुर्विज्ञान संस्थान नई दिल्ली—9900२६
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अखिल अस्पतीय असुर्विज्ञान संस्थान नई दिल्ली—90029

Faculty member

डॉ गुरविन्दर कीर Dr Gurvinder Kaur भारता अर्थ्यक्षीत्राम इकाई Scient นรุกเรียก augy Unit

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