



Basic Details

Organisation Chain	All India Institute of Medical 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	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 Details, 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 Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	NA	Fee Payable At	NA
Tender Fee Exemption Allowed	NA		

EMD Fee Details

EMD Amount in ₹	0.00	EMD Exemption Allowed	NA
EMD Fee Type	NA	EMD Percentage	NA
EMD Payable To	NA	EMD Payable At	NA

Work / Item(s)

Title	Procurement of Next Generation Sequencing Machine				
Work Description	Procurement of Next Generation Sequencing Machine				
Pre Qualification Details	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

Critical Dates

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

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)	
	1	Tendernotice_1.pdf	NIT	3376.66	
Work Item Documents					
	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	PACIR-35.pdf	TED	3376.66

Tender Inviting Authority

Name	Stores Officer ,DR.BRAIRCH
Address	Room No. 18 Ground Floor, Dr.BRAIRCH, AIIMS New Delhi-110029

Tender Creator Details

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

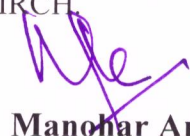
Subject: Proposal for procurement of “Next Generation Sequencing Machine – 01 No” for Lab Oncology Unit at Dr. BRAIRCH, AIIMS, New Delhi – 110029 on PAC basis and inviting comments/objections if any.

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 re-sequencing 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 substitutions.
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.

सहायक, आचार्य, Assistant Professor
 प्रयोगशाला अर्बुदविज्ञान/Laboratory Oncology
 डॉ. बी.आर.अ.आई.आर.सी.एच., अ.भा.आ.सं.
 नई दिल्ली-110029 (AIIMS)


डॉ. गुरविन्दर कौर
 वैज्ञानिक, प्रयोगशाला अर्बुदविज्ञान, इकाई
 डॉ. बी.आ.अ. सं. नई दिल्ली
 Dr. B.R.A. IRCH

डॉ. रितु गुप्ता / Dr. RITU GUPTA
 प्रभारी आचार्य / Professor & Officer-in-Charge
 प्रयोगशाला अर्बुदविज्ञान / Laboratory Oncology
 डॉ. बी.आ.अ. सं. रो.कैंसर अस्पताल / Dr. B.R.A., IRCH
 अ.भा.आ.सं. नई दिल्ली / AIIMS New Delhi-110029

1/2

डॉ. संजीव कुमार गुप्ता / Dr. SANJEEV KUMAR GUPTA
 एम.डी., डी.एन.बी., डी.एम. / MD, DNB, DM
 अपर आचार्य / Additional Professor
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 संस्थान रोटरी कैंसर अस्पताल / Institute Rotary Cancer Hospital
 अखिल भारतीय आयुर्विज्ञान संस्थान नई दिल्ली-110029
 All India Institute of Medical Sciences, New Delhi-110029

-  डॉ. वि. प्रदीप G. SMEETA
सह-विभागाध्यक्ष Assistant Professor
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ऑर्थो.आर.१, ऑई.आर.सी.एच., अमा.आ.सं.
DR.B.R.A. IACH(AIIMS)
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 **डॉ० ऋतु गुप्ता/Dr. RITU GUPTA**
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डॉ०भी.रा.अ.सं.रौ.कैंसर अस्पताल/Dr. B.R.A., IRCH
अ.भा.आ. सं. नई दिल्ली/A.I.M.S. New Delhi-110029

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एम.डी., डी.एन.बी., डी.एन.एम./MD, DNB, DM
अपर आचार्य/Additional Professor
प्रयोगशाला अणुवैज्ञान/Laboratory Oncology
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अखिल भारतीय आयुर्विज्ञान संस्थान नई दिल्ली-११००२९
All India Institute of Medical Sciences, New Delhi-110029

[illegible]

February 8, 2023

illumina

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,

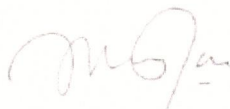
Illumina Singapore Pte. Ltd. ("**We**") is a subsidiary of Illumina, Inc., a Delaware corporation, and we have our registered address at 29 Woodlands Industrial Park E1, North Tech Lobby 3, #02-13/18, Singapore 757716. We are the manufacturers of Illumina Sequencing Systems & Microarray Systems and consumables 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.

February 8, 2023



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.

PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE

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


COUNTERSIGN 22/7/23 DR. RITU GUPTA
(Head of the Department) Professor & Officer-in-Charge
प्रयोगशाला अयुरोगज्ञान / Laboratory Oncology
डा.भी.रा.अ.सं.रो.कैंसर अस्पताल/Dr. B.R.A., IRCH
अ.भा.आ.रां. नई दिल्ली/A.I.I.M.S., New Delhi-110029

Faculty member


Faculty member

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 Scientist-Science शाखा अखिल भारतीय इकाई
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