

**All-India Institute of Medical Sciences  
Ansari Nagar, New Delhi-29  
(RESEARCH SECTION)**

**Ref. No. 24/Prop./Ped. /NG/18-19/RS**

**Dated: 10.12.2018**

**Subject: Purchase of Whole Exome sequencing for the Deptt. of Pediatrics, AIIMS,  
New Delhi-29 on proprietary basis- Inviting comments thereon.**

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The request has been received from Dr. Neerja Gupta, Assistant Professor, Deptt. of Pediatrics, AIIMS to purchase the subject item from M/s MedGenome Labs Pvt. Ltd. (mfg. by M/s Illumina Singapore Pte. Ltd.) on proprietary basis. The proposal submitted by M/s MedGenome Labs Pvt. Ltd. and Performa Invoice and Departmental 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 **No. 24/Prop./Ped./NG/18-19/RS**. The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before **26/12/2018 upto 12:00 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.

**STORES OFFICER (RS)**

**Encl: Related documents enclosed.**

**1. PAC Certificate enclosed.**

**2. Performa Invoice**



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

PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE

- |   |  |
|---|--|
| 1. Item/Type/Model No. required<br>alongwith specification.   | Whole Exome Sequencing   |
| 2. Is the item a spare parts attachment<br>or accessory for an existing equipment.  | No,  |
| 3. Name of the manufacturers/supplier<br>of the item proposed by the Indentor.  | M/s MedGenome Labs Pvt. Ltd.   |
| 4. Are they sole providers/sold<br>distributors of the item.  | Yes for our specifications.  |
| 5. Is there any other item with similar/<br>equivalent 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<br>officer should bring out comparative<br>functional advantages/cost effectiveness<br>of the recommended item from these<br>offered by other. | <p>Yes, similar items are available with other laboratories as well. However, after trying out all available options, other companies, the result from M/s MedGenome Labs Pvt. Ltd. were found to be most satisfactory. The functional advantages/cost effectiveness of the recommended items are-</p> <p><b>The Technology Platform:</b> Illumina is the sole manufacture of HiSeqX and HiSeq 4000. MedGenome is the sole service provider of sequencing on HiSeqX and HiSeq 4000. There is no equivalence specification for HiSeqX and HiSeq 4000.</p> <p><b>Quality Certification:</b> The lab is CAP/NABL certified, participating the proficiency testing as a part of the quality program. . The exome are CAP certified while the NABL certification have whole exome as a scope of the test.</p> <p><b>Lab Location:</b> Bangalore based. Test will be performed in India. Lab has extensive experience in reporting minor allele frequency from Indian population.</p> <p><b>Add on confirmation:</b> In addition to Exome sequencing, company will offer CNV analysis on the Exome data performed for the candidate genes. Sanger confirmation for <b>ONE VARIANT</b> if identified will be part of the project. Minor allele frequency from Indian population for the variant identified would be given along with the data</p> |
| 6. What were the efforts made to locate   | We have experience of getting the test done in other   |

alternative source of supply or use other substitutes.

7. Why open/limited tender can't be resorted to, for locating alternative source.

8. Are the items certifying that the rates are reasonable or not.

9. Any other justification for procuring item from single source.

laboratories but their performance was found to be unsatisfactory

The requirement of planned research will only be fulfilled with the specifications mentioned. Since the test is being used for evaluating huge numbers of genes and involve critical analysis, testing from other manufactures may render the test redundant. Moreover the additional advantages as mentioned above in point no. 5 are not covered by any other company.

Yes,(certificate enclosed)

The above item is required for specific purpose of performing genome wide analysis, which is a very critical test and has implications for the research in the project and will ultimately help in patient management and counselling.



Signature of Indentor

(Demanding Officer)

डॉ. मधुमिता राय/Dr. Madhumita Roy  
सहायक प्राध्यापक/Assistant Professor  
विभाग आनुवंशिकी, Old GT Block  
संलग्न विभाग/Department of Pediatrics  
आ.आई.एम.एस., नई दिल्ली/A.I.I.M.S., New Delhi-29  
DMC Regn. No. 16600

  
COUNTERSIGNED

डॉ. मधुलिका कब्रा/Dr. Madhulika Kabra  
प्रोफेसर/Professor  
संलग्न विभाग आनुवंशिकी (विभाग आनुवंशिकी)  
विभाग आनुवंशिकी (Dept. of Pediatrics)  
आ.आई.एम.एस., नई दिल्ली/A.I.I.M.S., New Delhi-29  
DMC Regn. No. 16600



Dr. Madhumita Roy Chowdhury  
Senior Scientist  
Division of Genetics,  
Department of Pediatrics  
All India Institute of Medical Sciences  
New Delhi - 110029

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

Specifications

- DNA isolation from blood
- Exome capture (Sure Select V-5 Capture Kit.)
- Library preparation,
- Cluster generation,
- NGS Sequencing using 2x 150bp reads @ 100x (10GB) on Illumina HiSeq or XTen platforms.
- Bioinformatics analysis with illumina HiSeqXTen
- Phred quality score of Q30, for 85% of data.
- Output should be in form of raw reads (fastq format).
- The charges should be inclusive of Sanger validation for 1 variant.
- An Indian lab that has extensive experience in Exome processing and reporting minor allele frequency from Indian population
- Test should be performed in India. Samples deportation and testing out of Indian Territory are not authorized.
- The performing lab should have NABL & CAP certification, as part of proficiency programme.
- The performing Lab should have extensive experience. Essentially over ten thousand exomes processing and in reporting minor allele frequency from Indian population.
- The service provider should use ultra-throughput sequencing system, HiSeqX (part of X ten) for higher data generation and to bring cost effectiveness.

*Neeraj*

Dr. Neeraj Singh/Dr. Neeraj Singh  
Senior Scientist/Assistant Professor  
Division of Genetics, CMC OT Block,  
Department of Pediatrics  
All India Institute of Medical Sciences, New Delhi-29  
DMC Regn. No. 16800

*Madhulika*

Dr. Madhulika Kabra  
Senior Scientist/Assistant Professor  
Division of Genetics, CMC OT Block,  
Department of Pediatrics  
All India Institute of Medical Sciences, New Delhi-29  
DMC Regn. No. 16800

*Madhumita Roy Chowdhary*

Dr. Madhumita Roy Chowdhary  
Senior Scientist  
Division of Genetics,  
Department of Pediatrics  
All India Institute of Medical Sciences  
New Delhi-110029

Registered Office:

**MedGenome Labs Ltd.**

3rd Floor, Narayana Nethralaya Building,  
Narayana Health City, # 258/A, Bommasandra,  
Hosur Road, Bangalore - 560 099, India.

T: +91(0) 80 6715 4901

www.medgenome.com



**MEDGENOME**

**illumina**

July 10, 2018

**Proprietary Letter**

To Whom It May Concern

We, Illumina Singapore Pte. Ltd., a subsidiary of Illumina, Inc., a Delaware corporation, having its principal place of business at 11 Biopolis Way # 09-05 Helios, Singapore 138667, who is established and reputable manufacturers of Illumina Sequencing & Arrays Systems and the consumables for the Sequencing and Arrays Systems. Hereby, confirm that the following products are solely manufactured by Illumina, Inc., U.S.A. and /or Illumina Singapore Pte. Ltd. and is Proprietary technology of Illumina, Inc., U.S.A.

This is also to certify that M/s Medgenome Pvt. Ltd., is currently the only commercial service provider in India that has HiSeq 4000 & HiSeq X Ten in house.

CAT NO	DESCRIPTION
SY-401-4001	<b>HiSeq® 4000 Sequencing System</b> The Illumina HiSeq 4000 Sequencing System is a dual flow cell sequencing instrument. System includes workstation computer, touch screen monitor, HiSeq Control Software, installation kits and standards, installation and training, and 12 months warranty (including parts and labor).
SY-412-1001	<b>HiSeq X™ Sequencing System (as part of HiSeq X Ten)</b> HiSeq X is an ultra-high throughput sequencing system, which is sold in quantities of at least 10 units (HiSeq X Ten = collection of 10 HiSeq X). The system is designed for whole genome sequencing application only.

Yours faithfully,

  


Name: Tan Kah Ling, Mavis  
Title: Senior Director, Finance, Asia Pacific  
For and behalf of: Illumina Singapore Pte. Ltd.



  
Dr. Anand Kumar, Dr. Anand Kumar  
Senior Scientist / Assistant Professor  
Department of Genetics, OICOT, Bangalore  
Bioscience Center, OICOT, Bangalore  
Bioscience Center, OICOT, Bangalore  
Bioscience Center, OICOT, Bangalore

  
Illumina Singapore • 11 Biopolis Way • #09-05 Helios • Singapore 138667 • Tel: +65 6773 0188 • Fax: +65 6774 0388 • www.illumina.com



The College of American Pathologists  
certifies that the laboratory named below

**MedGenome Labs Private Limited**  
**Bangalore, Kar, India**  
**Ramprasad Vedam, PhD**

CAP Number: 9302248  
AU-ID: 1770581

has met all applicable standards for accreditation and is hereby accredited by the  
College of American Pathologists' Laboratory Accreditation Program. Reinspection  
should occur prior to September 7, 2019 to maintain accreditation.

Accreditation does not automatically survive a change in director, ownership,  
or location and assumes that all interim requirements are met.

*R. M. S. S. S.*  
Chair, Commission on Laboratory Accreditation

*R. M. S. S. S.*  
President, College of American Pathologists

*Ney*

*JPS*

*lw*





**National Accreditation Board for  
Testing and Calibration Laboratories**  
(A Constituent Board of Quality Council of India)



**CERTIFICATE OF ACCREDITATION**

**MEDGENOME LABS PRIVATE LIMITED**

has been assessed and accredited in accordance with the standard

**ISO 15189:2012**

"Medical laboratories - Requirements for quality and competence"

for its facilities at

SDF 17, 1st Floor, C-Block CSEZ, Cochin, Kerala

in the field of

**MEDICAL TESTING**

Certificate Number MC-2497

Issue Date 18/12/2017

Valid Until 17/12/2019

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Signed for and on behalf of NABL

Dr. Vandana Jain  
Program Director



89078970300010000226

Anil Relia  
Chief Executive Officer



Registered Office:  
**MedGenome Labs Ltd.**  
3rd Floor, Narayana Nethralaya Building,  
Narayana Health City, # 258/A, Bommasandra,  
Hosur Road, Bangalore - 560 099, India.  
T: +91(0) 80 6715 4901  
www.medgenome.com



**Rate Quotation**

Date: 27<sup>th</sup> November 2018

To,

Dr. Neerja Gupta  
[MD (Pediatrics), DM (Medical Genetics)], Associate Professor, Department of Genetics  
All India Institute of Medical Sciences & Research,  
Ansari Nagar, New Delhi, Delhi 110029

**DNA Sequencing & Analysis**  
Using Illumina HiSeqX and HiSeq XTen for Whole Exome

Description	Unit Price per Sample (INR)	Quantity	Price (INR)
<b>DNA sequencing and analysis for Whole Exome panel.</b>  <b>Sample type:</b> Peripheral Blood 3-4 ml or > 100µL for DNA (EDTA Lavender top or DNA in sealed Eppendorf tube) <ul style="list-style-type: none"><li>• QC analysis of samples and Data</li><li>• NGS Sequencing using 2x 150bp reads @ 100x on Illumina HiSeq or XTen platforms.</li><li>• Bioinformatics analysis with Illumina HiSeqXTen</li><li>• Clinical Report of 70 patients</li><li>• Phred quality score of Q30, for 85% of data.</li><li>• Raw data in fastq format</li><li>• Turn Around Time 6-8 Week</li><li>• Sanger confirmation for ONE VARIANT if identified will be part of the project.</li></ul> <b>Kit Used:</b> Sequencing libraries will be prepared using <b>Agilent-Sure Select V5</b> <ul style="list-style-type: none"><li>• 21,522 genes covered (coding regions and splice junctions)</li><li>• Targeted exons – 3,57,999</li></ul>	27,000.00	70	18,90,000.00
<b>Amount in words: Eighteen Lacs and Ninety Thousand only</b>			<b>18,90,000.00</b>

Dr. Neerja Gupta / Dr. Madhulika Kabra  
Genetic Counselor / Assistant Professor  
Department of Pediatrics (Genetics)  
All India Institute of Medical Sciences & Research  
Ansari Nagar, New Delhi, Delhi 110029

Dr. Neerja Gupta / Dr. Neerja Gupta  
Genetic Counselor / Assistant Professor  
Department of Pediatrics (Genetics)  
All India Institute of Medical Sciences & Research  
Ansari Nagar, New Delhi, Delhi 110029



Registered Office:

**MedGenome Labs Ltd.**

3rd Floor, Narayana Nethralaya Building,  
Narayana Health City, # 258/A, Bommasandra,  
Hosur Road, Bangalore- 560 099, India.  
T: +91(0) 80 6715 4901  
www.medgenome.com



**Payment Terms:**

1. Order will be placed every 2-3 months
2. Payment within 30 days of Invoice Submissions.
3. Cheque or DD issued in the name of "MedGenome Labs Ltd.", Payable at Bangalore

**4. RTGS/Bank details:**

MedGenome Labs Ltd.  
Bank: HDFC  
Branch: RT Nagar, Bangalore  
Acc. No: 50200012336370  
IFSC Code: HDFC0000140 MICR Code: 560240009

**Validity:** This proposal is valid for 90 days from the date of receipt

For any technical questions relating to this proposal, please contact:

**Malaichamy Sivasankar** (Senior Genome Analyst)

malaichamy.s@medgenome.com

For any commercial queries relating to this proposal, please contact:

Mr. Ravishankar

**Business Development Manager**

Mobile: +91 8285642099

E-mail: ravishankar.k@medgenome.com

**Terms and Conditions:**

1. The sample collection will be arranged by MedGenome Labs Ltd.
2. If the samples received do not meet the quality standards required to perform the service, the details will be intimated to the customer and further processing will be based on the instructions of the customers only.
3. The relevant a) Indent or Purchase Order (PO) b) Sample submission form and c) Customer Registration form/details (for new customer only) should be submitted along with samples.
4. The Turn Around Time (TAT) for the sample will be 6-8 Weeks after receiving the sample.
5. Our responsibility rests with only performing the services as outlined in this quotation, please note that the pricing and turnaround times provided in this financial proposal are estimates based on information provided by the client and are subject to change, with prior notification to the customer. MedGenome will invoice for all services and/or products provided. This could change if there is a project scope change.
6. This quotation with its contents and any correspondence in this regard are strictly confidential. The information contained in this quote cannot be shared with any other parties without expressed written consent from MedGenome. MedGenome reserves the right to pursue the fullest legal action against any violations of confidentiality and improper use or sharing of this quotation.
7. Any disputes arising out of the Contract shall be subject to the Jurisdiction of the Courts within the city of Bengaluru, Karnataka only.

**Conclusion:**

We hope that this proposal will meet your requirements. We will be glad to provide further explanations on any of the items mentioned here.

  
Dr. Neeraj Gupta  
Senior Analyst/Assistant Professor

  
Dr. Madhulika Kabra  
Senior Analyst/Assistant Professor

