

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

**Ref. No. 28/Prop/IRCH/PT/2019-20/RS**

**Dated: 09.12.2019**

**Subject: Purchase of Whole DNA Sequencing for the Deptt. of Lab. Oncology, IRCH, AIIMS, New Delhi-29 on proprietary basis- Inviting comments thereon.**

\*\*\*\*\*

The request has been received from Dr. Pranay Tanwar, Deptt. of Lab. Oncology, IRCH, AIIMS to purchase the subject item from **M/s Medgenome Labs Pvt. Ltd. (Mfg. by M/s illumine Singapore Pte Ltd.)** on proprietary basis. The proposal submitted by **M/s Medgenome Labs Pte 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. 28/Prop/IRCH/PT/2019-20/RS**. The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before **24/12/2019 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.**

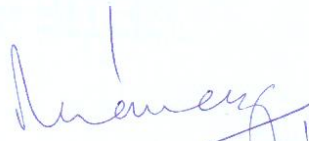
**1. PAC Certificate enclosed.**


**2. Performa Invoice**

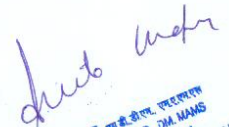
## Laboratory Oncology Unit

### Specification

S.No.	Specification	Quantity
1.	<p><b>DNA sequencing and analysis</b> for Whole Exome panel.</p> <p><b>Sample type:</b> Peripheral Blood 3-4 ml or &gt; 100µl for DNA (EDTA Lavender top or DNA in sealed Eppendorf tube )</p> <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 Hiseq XTen</li> <li>Clinical Report of 90 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> <p><b>Kit Used:</b> Sequencing libraries will be prepared using Agilent-Sure Select V5</p> <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>	90 DNA samples
2.	Bioinformatics Analysis	90 DNA samples

  
 डॉ. प्रणय तंवर / Dr. Pranay Tamwar  
 सहायक आचार्य / Additional Professor  
 प्रयोगशाला अणुदिविज्ञान / Laboratory Oncology  
 डॉ. बी.आर.अ. सं. रो. के. अ. अ. भा. अ. सं. नई दिल्ली-29  
 Dr. B.R.A., I.R.C.H., A.I.I.M.S., New Delhi-110029

  
 डॉ. अमर रंजन / Dr. AMAR RANJAN  
 सहायक आचार्य / Additional Professor  
 प्रयोगशाला अणुदिविज्ञान / Laboratory Oncology  
 डॉ. बी.आर.अ. सं. रो. के. अ. अ. भा. अ. सं. नई दिल्ली-29  
 Dr. B.R.A., I.R.C.H., A.I.I.M.S., New Delhi-110029

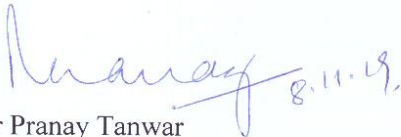
  
 डॉ. अनिता चोपड़ा / Dr. ANITA CHOPRA  
 सहायक आचार्य / Additional Professor  
 प्रयोगशाला अणुदिविज्ञान / Laboratory Oncology  
 डॉ. बी.आर.अ. सं. रो. के. अ. अ. भा. अ. सं. नई दिल्ली-29  
 Dr. B.R.A., I.R.C.H., A.I.I.M.S., New Delhi-110029

दिनांक/ Dated : .....  
November 8, 2019

## ANNEXURE- I

### Justification

The collected sample are very precious sample of the patients which needs to be reported on genuine genomics findings . Due to usage of Neo-adjuvant chemotherapy pre and post treatment sample once collected within specific time frame can never be repeated in future due to change of post chemotherapy body physiology. Ms MEDGENOME is the only CAP accredited for doing Next Generation Sequencing and is using HiSeq 4000 Sequencing system which is reproducible and fast. CAP accreditation is a quality benchmark for analysing human samples for DNA and RNA sequencing diagnostics. As our samples are extremely precious and critical in nature, we would like to give the order to a reputed and reliable company that can provide fast accurate and reproducible results without any need to repeat the sequencing of any sample

  
Dr Pranay Tanwar  
Additional Professor, Laboratory Oncology

डॉ० प्रणय तंवर / Dr. Pranay Tanwar  
अतिरिक्त प्राध्यापक / Additional Professor  
प्रयोगशाला अणुवैज्ञानिक / Laboratory  
डॉ. बी.आर.आर.सी.आई.एम.एस., नई दिल्ली  
Dr. B.R.A., IRCH, A.I.I.M.S., New Delhi



### Rate Quotation

Date: 4-11 -2019

To,

Dr Pranay Tanwar,  
Additional Professor,  
Laboratory Oncology Unit, Room No 425, 4th Floor,  
Dr.B.R.A. Institute Rotary Cancer Hospital,  
All India Institute of Medical Sciences,  
New Delhi-110029

DNA Sequencing & Analysis  
Using Illumina HiSeqX and HiSeq4000 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 90 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 Agilent-Sure Select V5 <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>	<b>27000.00</b>	<b>90</b>	<b>24,30,000.00</b>
<b>Amount in words: Twenty four lakh Thirty Thousand only</b>			<b>24,30,000.00</b>





March 11, 2019

**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 Labs Ltd., is currently the only commercial service provider in India that has HiSeq 4000 & HiSeq X Ten in house.

Catalog #	Product 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.

डॉ. प्रणय तंगर / Dr. Purnay Tanwar  
अपर आचार्य / Additional Professor  
प्रयोगशाला अतुदविज्ञान / Laboratory Oncology  
डॉ.बी.आर.अ.सं.के.अ., अ.भा.अ.के.अ., नई दिल्ली-29  
Dr. B.R.A., IRCH, A.I.I.M.S., New Delhi-110029







COLLEGE of AMERICAN  
PATHOLOGISTS



The College of American Pathologists  
certifies that the laboratory named below

**MedGenome Labs Private Limited**  
**Bangalore, Kar, India**  
**Ramprasad Vedom, 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.

*PM*  
Chair, Commission on Laboratory Accreditation

*Dr. B.R.A.*  
President, College of American Pathologists

*Dr. B.R.A.*  
Dr. B.R.A. IRCH, A.I.I.M.S., New Delhi-110029  
Additional Professor  
Laboratory Oncology  
Dr. B.R.A. IRCH, A.I.I.M.S., New Delhi-110029