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

Ref. No. 47/Stores/Neuro/AKS/16-17/RS

Dated: 31.12.2016

Subject: Purchase of **Sequencing of samples**, for the Department of Neurology, AIIMS, New Delhi-29 on proprietary basis- **Inviting comments thereon.**

*****

The request has been received from Dr. Achal Kr. Srivastava, Deptt. of Neurology, AIIMS to purchase the subject item from M/s Illumina Inc., USA on proprietary basis. The proposal submitted by M/s Illumina Inc., USA, and 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. 47/Stores/Neuro/AKS/2016-17/RS**. The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before **13/01/2017 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. **Specification of equipment.**

illumina

December 16, 2016

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 HiSeq4000 & HiSeqX10 in house.

CAT NO	DESCRIPTION
SY-401-2501	**HiSeq 2500 Sequencing System** The Illumina HiSeq 2500 Sequencing System. 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-401-4001	**HiSeq® 4000 Sequencing System** 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	**HiSeq X? Sequencing System (as part of HiSeq X Ten)** 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,

Illumina Singapore Pte. Ltd.

MedGenome Bangalore

Name: Timothy Sean Orpin
Title: Senior Vice President, Asia Pacific
For and behalf of: Illumina Singapore Pte. Ltd.

डॉ.अचल के.श्रीवास्तव/Dr.ACHAL KR. SRIVASTAVA
आचार्य / Professor
तंत्रिका विज्ञान विभाग/Deptt. of Neurology
तंत्रिका विज्ञान केन्द्र/Neuro Science centre
अ.भा.आ.सं.,नई दिल्ली/A.I.I.M.S.,New Delhi-29

MEDGENOME

9. Read re-alignment and base re-calibration

Reads will be re-aligned around the known indels using GATK-lite program. After re-alignment, the base quality will be re-calibrated using GATK-lite program. Base re-calibrated *.bam* file will be provided to the customer.

10a. Variant calling for germline focus

Germline variants are predicted in the sample using GATK-lite Unified Genotype caller. The variants will be filtered for variant quality, depth and other parameters. A *.vcf* file will be provided to the customer after performing the variant calling.

*10b. Variant calling for somatic focus**

Somatic variants will be predicted using Strelka software. A matched normal/control is required for identifying somatic mutation. Re-calibrated alignment files for both test and control samples are taken into account for performing somatic prediction.

* Please note that without a matched normal control, prediction for somatic variation is not effective. So, customer is advised to provide the same along with test samples.

Cost estimate

S. No.	*Description of Services*	*Quantity*	*Unit Price (₹)*	*Total Cost (₹)*
1.	gDNA QC, target (20MB) capture, library preparation, cluster generation, and sequencing with Illumina HiSeq2500 & Bioinformatic Analysis. *2x100 bp reads* *100 X average sequencing depth* *2Gb data/sample*	50	20,000	10,00,000.00
			Project Cost (₹)	10,00,000.00

*Service tax is exempted in case of patient samples.

Payment terms

1. PO should be issued in the name of MedGenome Labs Pvt. Ltd.
2.. Service tax will be charged as per the government rules.
3. Cheque or DD should be issued to 'MedGenome Labs Pvt. Ltd.' and payable at Bangalore. Alternatively, details for online payment are mentioned below.

MedGenome Labs Pvt. Ltd. Bangalore

Parameter	*Description*
Beneficiary	MedGenome Labs Pvt. Ltd.
Account no.	50200009650041
Bank	HDFC Bank Ltd

डॉ.अचल के.श्रीवास्तवा/Dr.ACHAL KR. SRIVASTAVA
आचार्य / Professor
तंत्रिका विज्ञान विभाग/Deptt. of Neurology
तंत्रिका विज्ञान केन्द्र/Neuro Science centre
अ.भा.आ.सं.,नई दिल्ली/A.I.I.M.S.,New Delhi-29