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

Ref. No. 21/Prop/Biophy/PK/2019-20/RS

Dated: 07.10.2019

Subject: Purchase of CLC Genomics Work Bench (Genomics Analysis Software for the Deptt. of Biophysics, AIIMS, New Delhi-29 on proprietary basis- <u>Inviting comments thereon.</u>

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The request has been received from Dr. Punit Kaur, Prof. & Head, Deptt. of Biophysics, AIIMS to purchase the subject item from **M/s Qiagen India Pvt. Ltd.** on proprietary basis. The proposal submitted by **M/s Qiagen India 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. 21/Prop/Biophy/PK/2019-20/RS**. The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before **<u>22/10/2019</u>** **upto <u>12:00 p.m.</u>,** 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)

<u>Encl</u>: Related documents enclosed.
1. PAC Certificate enclosed.
2. Performa Invoice

Technical Specification for CLC Genomics workbench

Software should support Metagenomics, Transcriptome, Epigenomics, RNA-Seq, Chip-Seq Data Analysis, Whole genome and exome analysis and *De novo* and Reference Guided Genome Assembly

1. Software should comprise comprehensive molecular biology and NGS data analysis tools
2. It should be compatible to cross platform like Mac OS, Linux or Windows OS
3. Software environment should be intuitive and graphical user interface with high interoperability with application programing interface to link LIMS and other third party or external plugins like BLAST 2 Go Pro, Ingenuity Pathway analysis (IPA) (already available in the department)
   Software should be capable of the following features :
4. De novo assembly, reference mapping of Illumina, Pac-Bio or Ion Torrent reads (any length, paired ends, barcodes, de-multiplexing).
5. RNA-seq analysis module support metadata table in excel format, provide RPKM, TPM, total gene reads, unique gene reads as expression value.
6. Chip-Seq data analysis module
7. The statistic module provide separate generalized linear model (GLM), EdgeR and DESeq algorithm.
8. Can integrate de novo assembly module + RNA-seq analysis module to support de novo transcriptomics analysis pipeline
9. Provide 2D, 3D PCA plot for sample QC control check
10. Analysis of data including genome track browser, contig visualization, SNP calling and RNA expression analysis.
11. Trim, assemble and view Sanger sequencing trace files, correct base calls and create consensus sequences. Automatic annotation for gene prediction, motifs, translation and variant calling.
12. Provide basic variant analysis, probabilistic variant analysis and low frequency variant analysis (specific for tumor variant analysis)
13. General analysis of DNA, RNA and protein including structural visualization.
14. Perform pairwise and multiple alignments of DNA or protein using trusted algorithms including MAFFT and ClustalW. View and edit alignments with real-time translation and highlighting.
15. View plasmid maps, automatically annotate vectors and copy-paste sequences with annotations.
16. Find restriction sites, design primers, find CRISPR sites and optimize codons.
17. Batch BLAST against NCBI and directly search GenBank. Centralize and collaborate on data with seamlessly integrated shared repositories. Import and export most industry standard file formats.
18. Automated workflows to increase efficiency, control processes and reduction of errors.
19. **Supporting Features:** Should have capability to support for Functional annotation and microbial application – metagenomics analysis. Pathogen typing like :

    Metagenomics (Microbial Genomics) : to support Microbiome profiling. to include
    A. Amplicon sequencing data for De novo or reference based OTU-clustering of 16S-, 18S-, and ITS rRNA data. and Support for common taxonomy databases Greengenes, Silva, and UNITE, as well as custom databases.
    B. Shotgun metagenomic sequencing data to Determine with high precision absolute and relative abundance of microbes in metagenomics samples and Filter out data contamination originating from host DNA.
    C. Functional profiling of microbiomes to Assemble and annotate whole metagenome data sets with class leading accuracy and performance.
    D. Pathogen Typing Analysis
    E. Visualization and statistical analysis in the context of metadata
    F. Genome Reference Database
    G. Workflows: Preconfigured, but customisable

License: 5 years with free upgrades

पुनीत कौर / Dr. Punit Kaur
प्रोफेसर / Professor & Head
जैवभौतिकी विभाग / Deptt of Biophysics
अ.भा.आ.सं. / A.I.I.M.S
अंसारी नगर, नई दिल्ली-29 / Ansari Nagar, New Delhi-29

डॉ० ऋतु गुप्ता/Dr. RITU GUPTA
प्रभारी आचार्य / Professor & Officer-in-Charge
प्रयोगशाला अनुविज्ञान / Laboratory Oncology
डॉ.भी.रा.अ.,सं.रो.कैंसर अस्पताल/Dr. B.R.A., IRCH
नगर सं. नई दिल्ली/A.I.I.M.S., New Delhi-110029

QIAGEN

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PROFORMA INVOICE

Ref: Q/AIIMS/1607

Date: 22/08/2019

To,
Dr.Punit Kaur
Department of Biophysics
All India Institute of Medical Sciences
New Delhi.

Sub : CLC Genomics Workbench Desktop License with 5 year MUS

Cat no	Description	Qty	Special Price	GST	GST Amount	Total Price
832000	CLC Genomics Workbench, Desktop License	1	2,36,640	18%	42,595	2,79,235
832001	CLC Genomics WB, Desktop Maintenance (5 years), 60 Months	1	2,95,800	18%	53,244	3,49,044
					Total	6,28,279

Terms & Conditions:

By accepting this quote, customer accepts the applicable QIAGEN standard terms and conditions for the product families listed on the website shown below. The current version of the QIAGEN stranded terms and conditions can be accessed at
https://www.qiagen.com/products/catalog/ordering-information/bioxtc/.

- **Delivery terms:** License keys will be delivered within 7-10 days after receiving Purchase order.
- **License terms:** License will be valid with 5 year of maintenance, upgrade and online support.
- **Payment terms:** Payment within a month after License delivery and Activation/Installation.
- **Delivery Mode:** Online delivery of License keys via mail
- **Warranty:** As per maintenance terms i.e. 60 months
- **GST-** Please also provide the DSIR certificate for charge GST@5% otherwise it will be charge by actual (18%)
- **Order-** Supply will be our Authorized distributor.

M/s SB BIOCHEM
GST No. 06AUXPT5984H1ZJ
1875, Sector 2, Ballabhgarh
Faridabad-121004

Further any clarification or query, please contact with undersigned.

For QIAGEN India Pvt. Ltd.
Thanks & Regard's

Afaque Ahmad
Account Manager
8800499396, 9990756510
afaque.ahmad@qiagen.com

Sole Source Confirmation

QIAGEN here declares that

CLC Genomics Workbench, Desktop License   Product Code 832000
CLC Genomics Workbench, Desktop Maintenance   Product Code 832001

Are exclusively manufactured and sold by QIAGEN

_____Jan 24th 2017

Frank Schacherer

VP Discovery Genomics, QIAGEN Bioinformatics

QIAGEN GmbH
QIAGEN Str. 1
40724 Hilden
Germany

Certificate

Standard	**ISO 9001:2015**
Certificate Registr. No.	01 100 1510001

Certificate Holder:	QIAGEN Aarhus A/S Silkeborgvej 2, 4. sal DK - 8000 Aarhus C
Scope:	Development and manufacturing of bioinformatics software for analyzing, interpreting and reporting on biological data, and provisioning of bioinformatics services

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity:	The certificate is valid from 2018-07-06 until 2021-07-05. First certification 2015

2018-06-29

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

www.tuv.com

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TÜVRheinland®
Precisely Right.

![QIAGEN logo]

Price Certificate

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

To Whom It May Concern

To the best of my knowledge, We **QIAGEN** India Pvt Ltd Certify that the discount offered is highest and we have not offered higher discount than that offered to the AIIMS to any organization in India and further that the price list operative during the current financial year has also been offered to other organization and no other organization has been offered the prices less than the prices offered to All India Institute of Medical Sciences.

And this is to certify that CLC Genomics workbench software is the proprietary product of QIAGEN.

Note: The price of the above product is effective to change every year more or Less.

For **QIAGEN India Pvt. Ltd.**

Thanks & Regard's

QIAGEN India Pvt Ltd

NEW DELHI
INDIA

Authorized Signatory

Authorized Signatory