



All India Institute of Medical Sciences, Bhubaneswar
At - Sijua (Patrapada), Post - Dumuduma, Bhubaneswar (Odisha) - 751 019

To be uploaded in Website: www.aiimsbhubaneswar.edu.in (Tender)

Reference No: J-11078(10)/S&P/21-22/Vol-34

Dated: 17/12/2021

Sub: Procurement of MiSeq Sequencer (Make: Illumina) for CCMR Project at AIIMS, BBSR on Proprietary basis - Inviting Comments thereon.

The Indenting Officer of CCMR(Project) at AIIMS, Bhubaneswar has requested for Procurement of MiSeq Sequencer(Make: Illumina)from M/s. Illumina Inc, Singapore through authorized Indian representative M/s. Premas Life Sciences Pvt. Ltd, New Delhi to bid, negotiate & conclude.

The Notice is being uploaded for general information of prospective manufacturer/Authorized Distributor/Dealers to submit their objection/proposal/comments, if any, on proprietorship of the item.

In case the product of any manufacturer/Authorized distributor/Dealer conforms to the enclosed specifications, they may submit their proposal for the supply of the same along with the brochures, point by point compliance of the enclosed specifications along with all documentary evidence. One quotation of the product may also be submitted.

The objections/comments/proposal should be sent in sealed cover to the Office of Sr. Procurement Cum Stores Officer, AIIMS, Bhubaneswar (Odisha) – 751019 or through e-mail to aso.rnpattnaik@aiimsbhubaneswar.edu.in & jao_nivedita@aiimsbhubaneswar.edu.in so as to reach on or before **date: 31-12-2021** failing which it will be presumed that no other firm is interested to offer comments/protest/object and case will be decided on its merits.

Procurement of items/ services through Non-GeM

Para – As per the Circular No. F.6/182019-PPD issued by Ministry of Finance, Dept of Expenditure dated 23 Jan 20 regarding procurement of goods/ services through Non-GeM, bidders are required to submit documents for the same.

Bidders to submit the GeM registration details that they are already registered in GeM as the category of the product is not available in GeM, they are not able to participate in it. It is mandatory to submit the relevant documents as supporting evidence.

An undertaking also to be given in company letter head that “Such already registered suppliers should be boarded on GeM as and when the item or service gets listed on GeM”.

The ref. no.–J-11078(10)/S&P/20-21/Vol 34, dt:17.12.2021, due on dated: 31-12-2021 should be superscripted on sealed envelope.


Sr. Procurement-cum-Stores Officer

Contd.... P/2



All India Institute of Medical Sciences, Bhubaneswar
At - Sijua (Patrapada), Post - Dumuduma, Bhubaneswar (Odisha) - 751 019

P/2

Enclosure:

1. Proprietary Article Certificate from Indenting Officer of CCMR(Project), AIIMS, Bhubaneswar.

Annexure-I

2. PAC of M/s. Illumina Singapore Pte. Ltd for Miseq System (Make: Illumina) - Annexure-II

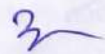
3. Latest Price Quotation M/s. Premas Life Sciences- Annexure III

4. OEM authorization Certificate to M/s Premas Life Sciences - Annexure-IV

5. GeM Certificate- Annexure-V

Copy to: -

- | | | |
|------------------------------------|---|------------------------------|
| 1. Indenting Officer, CCMR Project | : | for information please |
| 2. Accounts Officer | : | for information please |
| 3. IT Cell | : | for hoisting in the website. |


Sr. Procurement-cum-Stores Officer

Technical Specifications For Benchtop Next Generation Sequencing System

1. System should occupy minimal lab footprint and should be offered as a **single, integrated instrument with automated template DNA amplification, sequencing, and data analysis (base calling, alignment, variant calling, and reporting) onboard on machine.**
2. The sequencing chemistry should employ robust **Sequencing By Synthesis method** using **nucleotides with reversible terminators** and should mimic natural biological chemistry with **simultaneous** addition of all four bases in the sequencing reaction for competitive addition to the DNA template.
3. The sequencing workflow should allow **fully automated, walk-away operation, without user intervention**, for template amplification to analyzed data on a **single machine**, and support **unattended operation for at least 600 sequencing cycles.**
4. System should **offer minimum of 15 Gb of high-quality data passing filter from 2 × 300 bp** reads to enable high throughput multiplexed sequencing of diverse genomes and **up to 50 million paired-end reads** from a single run to enable robust counting applications, like RNA-seq and ChIP seq.
5. Sequence output should generate accurate base calls and high error free reads with **greater than 80% bases with high quality Q30 score at 2x150 bp read length, derived directly from intensity data and not from a reference sequence-based, multiple-color encoding scheme.**
6. Clonal amplification of DNA template should employ accurate **bridge amplification** methodology, should be fully automated, **without the involvement of emulsion PCR.**
7. The sequencer should be able to read through **at least 15 bases homo-polymer stretches in the genome accurately.**
8. The sequencing chemistry should be robust and globally proven, as demonstrated with **greater than 3500 peer reviewed publications.**
9. The system should be offered with integrated paired-end fluidics on the instrument, supported with fully automated paired-end chemistry, without user intervention.
10. The data analysis module should enable real time, on-instrument image processing, base calling, read alignment and variant calling without the need for ancillary equipment.
11. System should offer the user-friendly sequencing experience, such as, intuitive touchscreen user interface, RFID tracking and pre-mixed/pre-filled integrated reagent cartridge for minimal user intervention.
12. The system should offer the option of seamless integration with cloud computing environment to avoid manual data transfer and analysis.
13. The system should offer flexibility for supporting diverse sequencing applications such as DNA, RNA, targeted RNA expression (pathway analysis), ChIP, small RNA, metagenomics, small genomes, amplicons, target region enrichment, HLA typing, Cancer (solid/liquid) DNA profiling, etc..

msable

[Signature]

Sharbari
29.10.21

Dr. SHARBARI BASU / डा. शर्वरी तसु
आचार्य / Professor
DEPARTMENT OF BIOCHEMISTRY
जीवरसायन विज्ञान विभाग
जिपमेर / JIPMER
पुदुच्चेरी / Puducherry - 605 006

AIIMS, BHUBANESWAR

Proprietary Article Certificate
Valid for the Current Financial Year

File No. and Date Reference :		
1	Description of article	Illumina Miseq Next Generation Sequencer
2	Forecast of quantity /annual requirement	
3	Approximate estimated value for above quantity	1,49,36,276
4	Maker's name and address	Illumina Singapore Pte Ltd, 29 Woodlands Industrial Park E1, Singapore, Singapore, SG-757716
5	Name(s) of authorized dealers/ stockists	Premas Life Sciences Private Limited. E49/5, IInd Floor Okhla Industrial Area. Phase-II, Delhi 110020
6	I approve the above purchase on PAC basis and certify that :- Note- Tick to retain only one out of (b), C-1) or (c-2) whichever is applicable and cross out others. Please do confirm (a) by ticking it - without which PAC certificate will be invalid.	
6 (a)	This is the only firm who is manufacturing / stocking this item. AND	Yes
6 (b)	A Similar article is not manufactured / sold by any other firm, which could be used in lieu OR	Yes
6 (c-1)	No other make/brand will be suitable for following tangible reasons (like OEM/ Warranty, spares.): OR This is to declare that the item quote for the Mini Bead Beater from Biospec Products Inc. is the sole manufacturer of the high energy, high throughput MiniBeadbeater-16 (item numbers 607 and 607EUR) cell disrupter & its consumables like 2 ml vials with O-rings, Beads, O-rings & 2 ml adapters.	Attached POs
6 (c)	No other make/brand will be suitable for following intangible reasons (if PAC was also given in the last procurement cycle, please also bring out efforts made since then to locate more sources) -	Miseq sequencer is only source for the amplicon sequencing which manufactured by illumina
7	Reference of concurrence of finance wing to the proposal :	Reference N- 5 & 6
History of PAC Purchase of this item for past three years may be given below :		
Name of the Supplier		
Order/ Tender Reference & Date	Quantity Ordered	Basic Rate on Order (Rs.)
IGIMS/2020/2438/Adm./Store	1	2,44,53,570.00
1(PAQ)/01/21-22/PUR/37 (21-22)	1	1,66,00,000.00

Signature of Approving Authority.....

Date..... 15/12/2021..... Designation of Officer.....

Signature of the Indenting Officer

Dr. MUKUND N. SABLE
सहयोगी प्रोफेसर/ Asso. Professor
विकृति विज्ञान एवं प्रयोगशाला चिकित्सा विभाग
Dept. of Pathology & Lab Medicine
एम्स, भुवनेश्वर/ AIIMS Bhubaneswar

illumina

February 17, 2020

PROPRIETARY LETTER

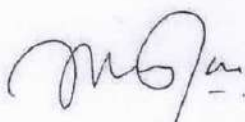
To whom It may concern

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 manufacturer of **Illumina Sequencing & Arrays Systems and the consumables for the Sequencing and Arrays Systems**. Hereby, authorize **Messrs. Premas Life Sciences Pvt. Ltd.**, Plot No. E-49/5, 2nd Floor, Okhla Industrial Area, Phase - II, New Delhi - 110020, India to submit quotes, negotiate (as and if necessary) and conclude the contract on our behalf for the goods manufactured by us.

We further confirm that the following product is solely manufactured by Illumina, Inc. and is Proprietary technology of Illumina, Inc., U.S.A.

CATALOG NO.	DESCRIPTION
SY-410-1003	MiSeq® System MiSeq System Integrated system for automated generation of DNA clonal clusters by bridge amplification, sequencing, primary and secondary analysis. System includes embedded touchscreen monitor and on- instrument computer, dual surface imaging capability, MiSeq Software Suite, installation kits and standards, installation and training, and 12 months warranty (including parts and labor).

Yours faithfully



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



Prepared for:

All India Institute of Medical Sciences

Sijua, Patrapada, Post- Dumuduma

, OD, 751019, INDIA

Hereinafter referred to as "ALL INDIA INSTITUTE OF MEDICAL SCIENCES"

Quotation Number:	SQPLS/ILM/21-22/0388
Quotation Date:	October 24, 2021
Expiration Date:	December 24, 2021
Prepared By:	Bidhan
Phone Number:	9903921544
Email:	bidhan@premaslifesciences.com

II. PRODUCT & PRICING INFORMATION

Catalog #	Product Description	Unit Price (INR)	Disc. Customer Price	Qty.	Transaction value (INR)	HSN/SAC Code	GST %	GST Amount	Total Amount
SY-410-1003	MiSeq® System The MiSeq System is an integrated system for automated generation of DNA clonal clusters by bridge amplification, sequencing, primary and secondary analysis. System includes embedded touchscreen monitor and on- instrument computer, dual surface imaging capability, MiSeq Software Suite, installation kits and standards, installation and training, and 5 Years warranty (including parts and labor).	23,292,000.00	14,936,276.00	1	14,936,276.00	90275090	0	0.00	14,936,276.00
Net Total									14,936,276.00

Terms & Conditions:

- Prices Given FOR basis including custom duty, custom clearance & local transportation. Change in qty or in no. of shipments will change the price.
- Delivery within 6 to 8 weeks from date of purchase order.
- Payment - 100% advance in favor of Premas Life Sciences Pvt. Ltd, banking details are attached.
- GST will be applicable as per govt rule at the time of invoicing.
- Order should be issued in favor of Premas Life Sciences Pvt. Ltd., E 49/5, 2nd Floor, Okhla Industrial Area Phase 2, New Delhi-110020. Premas will arrange to clear & deliver the goods from FTWZ complete address as given below.
ONNSYNEX VENTURES PRIVATE LIMITED
Plot no. 23, NSEZ Noida, Phase-II, Gautam Budh Nagar 201305 (U.P.) India A/C
Premas Life Sciences Private Limited.
E-49/5, Okhla Industrial Estate, Phase-II, New Delhi 110020 India.
- Road Permit/E-Way Bill should be provided for dispatch of material, if any applicable.
- Above products are for research use only.
- GST No. is mandatory to mention in purchase order copy.
- Please share PO on cs@premaslifesciences.com / bidhan@premaslifesciences.com.
- Above quoted price are as per the current exchange rate, in case the exchange rate will increase beyond 5%, the same will be charged extra.
AIIMS- Bhubaneswar has to provide the following documents to clear the shipment at FTWZ., in case below is not available at the time of Supply actual Duty, GST and other Taxes will be applicable.
 - DSIR Certificate, CDEC (Custom Duty Exemption Certificate signed by director)
 - IEC copy, GST Copy, PAN Card
 - Authorization letter






E49/5, IInd Floor

Okhla Phase II, Okhla Industrial
Area, New Delhi, 110020, India

CIN: U51909DL2011PTC217592

GSTIN No.: 07AAGCP0079F1Z1

Annexure - II

PRODUCT & PRICING INFORMATION FOR COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT CHARGES FOR NEXT
GENERATION SEQUENCER (Miseq System):

II. PRODUCT & PRICING INFORMATION

Product Description	Quoted Customer Price	Qty.	Quoted Discounted Price	Total INR
MiSeq System CMC for 6th Year	14,92,093.00	1	13,42,900.00	13,42,900.00
MiSeq System CMC for 7th Year	15,66,698.00	1	14,10,000.00	14,10,000.00
MiSeq System CMC for 8th Year	16,45,033.00	1	14,80,550.00	14,80,550.00
MiSeq System CMC for 9th Year	17,27,285.00	1	15,54,550.00	15,54,550.00
MiSeq System CMC for 10 th Year	18,13,649.00	1	16,32,275.00	16,32,275.00

Please Note: GST will be charged extra as applicable on the date of Invoice.

For Premas Life Sciences Pvt. Ltd.



Handwritten signature

Handwritten signature

Authorized Signatory

MR BIDHAN SATPATHI

AREA SALES MANAGER

MOB: 9903921544

MiSeq® System

Focused power. Speed and simplicity for targeted resequencing and small-genome sequencing.

- MiSeq System Highlights

- **Exceptional Data Quality**
Highest-quality data demonstrated through peer-reviewed, scientific comparison
- **Simple and Intuitive Instrument Workflow**
Highly automated system features a simple, easy-to-use instrument interface
- **Fastest Turnaround Time**
Most rapid sequencing and variant detection for time-critical studies
- **Extensive Suite of Applications**
Adjustable read length and flow cell options provide ultimate flexibility across a broad range of applications

Introduction

The MiSeq System offers the first end-to-end sequencing solution, integrating cluster generation, amplification, sequencing, and data analysis into a single instrument. Its small footprint—approximately 2 square feet—fits easily into virtually any laboratory environment (Figure 1). The MiSeq System leverages Illumina sequencing by synthesis technology (SBS), the most widely used, next-generation sequencing chemistry. With over 750 publications to date, the MiSeq System is the ideal platform for rapid and cost-effective genetic analysis.

Exceptional Data Quality

Illumina SBS chemistry is the most widely adopted next-generation sequencing technology. Exceptional data quality is achieved by SBS chemistry: a proprietary, reversible terminator-based method that detects single bases as they are incorporated into massively parallel DNA strands. Fluorescent terminator dyes are imaged as each dNTP is added and then cleaved to allow incorporation of the next base. With all 4 reversible, terminator-bound dNTPs present during each cycle, natural competition minimizes incorporation bias. Base calls are made directly from signal intensity measurements during each cycle, greatly reducing raw error rates compared to other technologies.¹⁻⁵ The result is highly accurate base-by-base sequencing that virtually eliminates sequence context-specific errors, even within repetitive sequence regions or homopolymers. Illumina sequencing delivers the highest yield of error-free data for the most sensitive or complex sequencing samples (Figure 3).

Simple and Intuitive Instrument Workflow

The MiSeq System offers straightforward, easy-to-follow instrument control software. Perform simple instrument operations with an intuitive touch screen interface, use plug-and-play reagent cartridges with RFID tracking, consult on-screen video tutorials, and enjoy step-by-step guides throughout each sequencing workflow.

All MiSeq Systems include onboard data analysis and access to BaseSpace®—the Illumina genomic analysis platform. BaseSpace provides real-time data uploading, simple data analysis tools, internet-based run monitoring, and a secure, scalable storage solution. A suite of data analysis tools, and a growing list of third-party BaseSpace Apps, empowers researchers to perform their own informatics. BaseSpace also enables fast and easy data sharing with colleagues or customers. To learn more, visit www.illumina.com/basespace.

Fast Turnaround Time

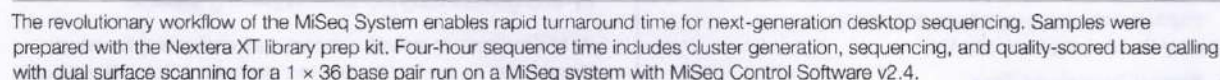
For results in hours rather than days, the combination of rapid library preparation and the MiSeq System delivers a simple, accelerated turnaround time (Figure 2). Prepare your sequencing library in just 90 minutes with Nextera® library prep reagents, then move to automated clonal amplification, sequencing, and quality-scored base calling in as little as 4 hours on the MiSeq instrument. Sequence alignment can be completed directly on the onboard instrument computer with MiSeq Reporter software or through the BaseSpace platform within 3 hours.

Figure 1: MiSeq System



The compact MiSeq System is well suited for rapid, cost-effective next-generation sequencing.

For Research Use Only. Not for use in diagnostic procedures.



A bar chart illustrating the distribution of Q Scores for 100,000 bases. The vertical axis (Y-axis) represents 'Millions of Bases Above Q30', ranging from 0 to 10,000 in increments of 1,000. The horizontal axis (X-axis) represents 'Q Score', ranging from 10 to 40. A vertical line is drawn at Q30. A callout box indicates that 90% of the bases are above Q30. The distribution is highly skewed to the right, with a sharp peak at Q40, which exceeds the 10,000 million bases mark on the Y-axis.

Q Score	Millions of Bases Above Q30 (Approximate)
10	100
20	200
30	500
35	800
36	400
37	1,700
38	18,000

Quality scores for a PhiX control library, 2 × 300 base pair run on a MiSeq System with MiSeq Control Software v2.4. This example shows 90% of bases sequenced above Q30.

Explore an ever increasing range of sequencing applications. With faster turnaround time and simplified workflows, the MiSeq System offers a cost-effective alternative to capillary electrophoresis (CE) for applications such as targeted resequencing, clone checking, and amplicon sequencing. Optimized analysis workflows are also available for small genome sequencing, 16S metagenomics, RNA sequencing, HLA sequencing, forensics, preimplantation genetic screening (PGS), and preimplantation genetic diagnosis (PGD), as well as highly multiplexed applications such as TruSeq® Custom Amplicon and TruSeq Custom Enrichment. Adjustable read lengths, flow cell options, and choice of single or paired-end reads allow unprecedented flexibility for matching data output to a broad range of experimental needs.

Instrument Configuration

RFID tracking for consumables

MiSeq Control Software

MiSeq Reporter Software

Instrument Control Computer (Internal)*

Base Unit: Intel Core i7-2710QE 2.10 GHz CPU

Memory: 16 GB RAM

Hard Drive: 750 GB

Operating System: Windows 7 embedded standard

*Computer specifications are subject to change.

Operating Environment

Temperature: 22°C ± 3°C

Humidity: Noncondensing 20%–80%

Altitude: Less than 2,000 m (6,500 ft)

Air Quality: Pollution degree rating of II

Ventilation: Maximum of 1,364 BTU/h

For Indoor Use Only

Light Emitting Diode (LED)

530 nm, 660 nm

Dimensions

WxDxH: 68.6 cm x 56.5 cm x 52.3 cm (27.0 in x 22.2 in x 20.6 in)

Weight: 57.2 kg (126 lbs)

Crated Weight: 93.6 kg (206 lbs)

Power Requirements

100–240V AC @ 50/60Hz, 10A, 400 W

Radio Frequency Identifier (RFID)

Frequency: 13.56 MHz

Power: 100 mW

Product Safety and Compliance

NRTL certified IEC 61010-1

CF marked

FCC/IC approved

For Research Use Only. Not for use in diagnostic procedures.

MiSeq System Performance Parameters

MiSeq Reagent Kit v2

Read Length	Total Time*	Output
1 × 36 bp	~4 hours	540–610 Mb
2 × 25 bp	~5.5 hours	750–850 Mb
2 × 150 bp	~24 hours	4.5–5.1 Gb
2 × 250 bp	~39 hours	7.5–8.5 Gb

Reads Passing Filter¹

Single Reads	12–15 M
Paired-End Reads	24–30 M

Quality Scores^{††}

- > 90% bases higher than Q30 at 1 x 36 bp
- > 90% bases higher than Q30 at 2 x 25 bp
- > 80% bases higher than Q30 at 2 x 150 bp
- > 75% bases higher than Q30 at 2 x 250 bp

MiSeq Reagent Kit v3

Read Length	Total Time*	Output
2 × 75 bp	~21 hours	3.3–3.8 Gb
2 × 300 bp	~56 hours	13.2–15 Gb

Reads Passing Filter†

Single Reads	22–25 M
Paired-End Reads	44–50 M

Quality Scores^{††}

- > 85% bases higher than Q30 at 2 × 75 bp
- > 70% bases higher than Q30 at 2 × 300 bp

- * Total times include cluster generation, sequencing, and base calling on a MiSeq system enabled with dual surface scanning.
- † Install specifications based on Illumina PhiX control library at supported cluster densities between 865–965 k/mm² clusters passing filter for v2 chemistry and 1200–1400 k/mm² clusters passing filter for v3 chemistry. Actual performance parameters can vary based on sample type, sample quality, and clusters passing filter.
- †† The percentage of bases > Q30 is averaged across the entire run.
- bp = base pairs, Mb = megabases, Gb = gigabases, M = millions

Ordering Information

Instrument Name	Catalog No.
MiSeq System	SY-410-1003

[Learn More](#)

To learn more about the next revolution in desktop sequencing, visit:
www.illumina.com/miseq

References

1. Junemann S, Sedlazeck FJ, Prior K, Albersmeier A, John U, Kalinowski J, et al. Updating benchtop sequencing performance comparison. *Nat Biotechnol.* 2013;31:294-296.
2. Ross MG, Russ C, Costello M, Hollinger A, Lennon NJ, Hegarty R, et al. Characterizing and measuring bias in sequence data. *Gen Biol.* 2013;14:R51.
3. Loman NJ, Misra RV, Dallman TJ, Constantinidou C, Gharbia SE, Wain J, et al. Performance comparison of benchtop high-throughput sequencing platforms. *Nat Biotechnol.* 2012;30:434-439.
4. Quail MA, Smith M, Coupland P, Otto TD, Harris SR, Connor TR, et al. A tale of three next generation sequencing platforms: comparison of Ion Torrent, Pacific Biosciences and Illumina MiSeq sequencers. *BMC Genomics.* 2012;13:341.
5. Liu L, Li Y, Li S, Hu N, He Y, Pong R, et al. Comparison of Next-Generation sequencing systems. *J Biomed Biotechnol.* 2012;2012:251364.

**Maximize Performance and Productivity
with Illumina Services, Training, and
Consulting**

Whether immediate help is needed during an instrument run, or in-depth consultations are required for sophisticated workflows, Illumina can help. Illumina service and support teams provide a full suite of expedient, customized solutions from initial trainings, to instrument support, and ongoing NGS consultation. Our support offerings include:

Product Care Services

- Tiered Instrument Service Plans + Add-On Services
- Instrument Compliance Services
- Instrument On-Demand Services

Illumina University Training

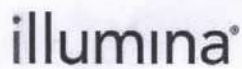
- Instructor-Led Training at Your Chosen Facility
- Instructor-Led Training at an Illumina Training Center
- Online Courses and Webinars

Illumina Consulting

- Proof-of-Concept Services for instrument and library preparation testing
- Concierge Services for design assistance and product optimization

For more on Illumina support offerings, visit: www.illumina.com/services/instrument-services-training.html

For Research Use Only. Not for use in diagnostic procedures.



Illumina, Inc.
5200 Illumina Way
San Diego, CA 92122 USA
tel 858.202.4500
fax 858.202.4766
www.illumina.com

July 15, 2020

CERTIFICATE OF AUTHORIZATION

This is to certify that Premas Life Sciences Pvt. Ltd. ("Channel Partner"), having a principal place of business at E49/5, 2nd Floor, Okhla Industrial Area, Phase – II, New Delhi – 110020, India, is the selected, authorized and exclusive Channel Partner of Illumina branded products of Illumina, Inc. San Diego, CA, USA and Illumina Singapore Pte. Ltd.

Channel Partner is responsible for product promotion, training, after sales service, distribution, offering, negotiation and entering into contracts for Illumina branded products within the territories of India and Bhutan.

Please note that this certificate does not authorize Channel Partner to take any action that would result in the cancellation, revocation, annulment or rescission (or other similar action) of any existing or future product registration within the territory unless support by a notarized/apostilled letter on Illumina letterhead authorizing such action that is signed by a senior vice president (or higher officer) of Illumina.

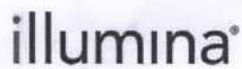
This certification is valid until June 30, 2022.

Sincerely,



Kristina Saewert
Sr. Contracts Manager
Illumina, Inc.
Office: 858.754.3024





Illumina, Inc.
5200 Illumina Way
San Diego, CA 92122 USA
tel 858.202.4500
fax 858.202.4766
www.illumina.com

July 15, 2020

CERTIFICATE OF AUTHORIZATION

This is to certify that Premas Life Sciences Pvt. Ltd. ("Channel Partner"), having a principal place of business at E49/5, 2nd Floor, Okhla Industrial Area, Phase – II, New Delhi – 110020, India, is the selected, authorized and exclusive Channel Partner of Illumina branded products of Illumina, Inc. San Diego, CA, USA and Illumina Singapore Pte. Ltd.

Channel Partner is responsible for product promotion, training, after sales service, distribution, offering, negotiation and entering into contracts for Illumina branded products within the territories of India and Bhutan.

Please note that this certificate does not authorize Channel Partner to take any action that would result in the cancellation, revocation, annulment or rescission (or other similar action) of any existing or future product registration within the territory unless support by a notarized/apostilled letter on Illumina letterhead authorizing such action that is signed by a senior vice president (or higher officer) of Illumina.

This certification is valid until June 30, 2022.

Sincerely,



Kristina Saewert
Sr. Contracts Manager
Illumina, Inc.
Office: 858.754.3024





Report ID: GEM/GARPTS/01112021/M296AW7KF8PI

Report Name: miseq sequencer

Generated By: RABI NARAYAN PATTANAYAK, Department of Health and Family Welfare, Ministry of Health and Family Welfare

Generated On: 01/11/2021

Valid till: 01/12/2021

GeM Availability Report and Past Transaction Summary

GeM Availability Report and past transaction summary report is generated based on the specifications searched by the Buyer. The specification may be modified appropriately for searching relevant categories on GeM. Buyer may navigate to GeM category page by clicking on the category link to view category specifications and products/services available in the category.

Order Count and Order Value displayed is on a cumulative basis since GeM inception.

1. Search String: Miseq sequencer

Search type: Product

1. There are categories available on GeM matching your requirements (as listed here). You can create a bid on GeM with a product closest matching your required specifications and add additional parameters in specifications through Corrigendum using RMS functionality.
2. If you feel that category TP needs updating you can submit category updating request also through RMS.
3. If you do not want to use any of the above option and want to proceed for procurement outside GeM, please suggest the specifications of the required product for creation of new category on GeM for future procurement.

Search Result: Category available/suggested on GeM but marked as "not matching requirements" by the buyer with undertaking as under:

It is certified that I have thoroughly checked all probable categories suggested by GeM and I am satisfied that the product required is not covered / does not fall in any of the suggested categories and can not be procured under any of these categories even after inclusion of List of Values(LOV) wherever possible in category specifications of suggested categories. It is also certified that the technical specification requirement are such that these can not be covered even by adding specification parameters using ATC in any of the GeM suggested categories. This is a one-time requirement hence new category creation is not proposed / or requirement is recurring but request for new category creation will be submitted separately post generation of GeMARPTS.