



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

To be uploaded in V/eb site: www.aiimsbhubaneswar.edu.in (Tender)

Dated: 05/01/2021

Reference No: J-11078(10)/S&P/20-21/XIV

Sub: Procurement of High Throughput automated Capillary Electrophoresis System TapeStation 4200 (Make: Agilent Technologies) for establishment of Center for excellence for clinical microbiome research (CCMR) at AIIMS, BBSR on Proprietary basis - Inviting Comments thereon.

The user Department for establishment of CCMR Lab at AIIMS, Bhubaneswar has requested for Procurement of **High Throughput automated Capillary Electrophoresis System TapeStation 4200 (Make: Agilent Technologies)** from **M/s. Agilent Technologies Singapore (International)** through their Indian Subsidiary **M/s. Agilent Technologies India Pvt. Ltd., New Delhi** through their authorized representative **M/s. LCGC Lifescience LLP, Hyderabad.**

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 spo@aiimsbhubaneswar.edu.in, aso.rnpattnaik@aiimsbhubaneswar.edu.in & stokee_priya@aiimsbhubaneswar.edu.in so as to reach on or before **date: 19-01-2021** 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/XIV**, dt: **05-01-2021**, due on dated: **19-01-2021** should be superscripted on sealed envelope.


Sr. Procurement-cum-Stores Officer



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

Enclosure:

1. Proprietary Article Certificate from Indenting Officer of Department of CCMR, AIIMS, Bhubaneswar. **Annexure-I**
2. PAC of M/s. Agilent Technologies, for High Throughput automated Capillary Electrophoresis System TapeStation 4200 (Make: Agilent Technologies) **Annexure-II**
3. Latest Price Quotation of M/s. LCGC Lifescience LLP, Hyderabad. - **Annexure III**
4. OEM authorization Certificate - **Annexure-IV**
5. Literature & Brochures of indented item. - **Annexure-V**
6. GeM Certificate- **Annexure-VI**

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

AIIMS, BHUBANESWAR

14

1. No other make or model is acceptable for the following reasons: High throughput system for analyzing 1-96 samples in a single run. Instrument must offer dedicated kit for analysis of genomic DNA samples, RNA and NGS library & samples.
System offers individual tips for sample loading to avoid any contamination issues.
The Genomic DNA Kit must offer sizing range from 200 to > 40,000 bp with sensitivity of 0.5 ng/μL.
Unique RNA Integrity number equivalent (RINe) algorithm is included for unbiased total RNA integrity assessment.
The system enables integrated separation, quantification and integrity assessment with DIN(DNA integrity number) of DNA with sensitivity as low as 0.1 ng/μL.

(i) Concurrence of Finance and Accounts Department proposal vide: _____

(ii) Approval of the Competent Authority vide: _____

(Signature of the Indenting Officer with date)

(Signature of HOD with date)

N.B. : PAC (attached) to be submitted with the Procurement Indent.

Proprietary Article Certificate

Valid for the Current Financial Year

File No. and Date Reference :		
1	Description of article	HighThroughput Automated capillary Electrophoresis system (Tapestation 4200)
2	Forecast of quantity /annual requirement	
3	Approximate estimated value for above quantity	□□30,86,995(approx.)
4	Maker's name and address	Agilent Technologies Singapore (International) Pte. Ltd. Address-No-1, Yishun Avenue 7, Singapore-768923
5	Name(s) of authorized dealers/ stockists	LCGC Life Sciences LLP, Address-'LCGC Towers', 161/166, Paigah Colony, off S.P. Road, Hyderabad – 500 003. T. S, India. Contact Person Name- Mr. Subrat Paul and Mr. Suman Dey Phone No- 8444977706 / 9836706656/ 9836831156 Email id- subratpaul@lccgindia.com / sumandey@lccgindia.com
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)	1. No other make/brand will be suitable for following tangible reasons (like OEM/Warranty, spares.): <u>High throughput system for analyzing 1-96 samples in a single run.</u> <u>Instrument must offer dedicated kit for analysis of genomic DNA samples, RNA and NGS library & samples.</u>	

	<u>System offers individual tips for sample loading to avoid any contamination issues.</u> <u>The Genomic DNA Kit must offer sizing range from 200 to > 40,000 bp with sensitivity of 0.5 ng/μL.</u> <u>Unique RNA Integrity number equivalent (RINe) algorithm is included for unbiased total RNA integrity assessment.</u> <u>The system enables integrated separation, quantification and integrity assessment with DIN(DNA integrity number) of DNA with sensitivity as low as 0.1 ng/μL.</u>		
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) : OR		
7	Reference of concurrence of finance wing to the proposal :		
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.)	Adverse Performance Reported if Any

Signature of the Indenting Officer

Signature of Approving Authority.....

Date..... Designation of Officer.....



Proprietary Certificate

The following features ensure the Agilent 4200 TapeStation instrument (model G2991AA) sold with Part number G2991AA-64000 is a proprietary item manufactured by Agilent Technologies:

- The 4200 TapeStation system uses proprietary ScreenTape technology for the analysis of biological samples.
- The ScreenTape technology offers flexible sample throughput at constant cost per sample. Any sample number between 1 and 96 can be analyzed in one 4200 TapeStation run.
- The 4200 TapeStation system enables integrated separation, quantification and integrity assessment with DIN of DNA with sensitivity as low as 0.1 ng/ μ l.
- Unique RNA Integrity number equivalent (RIN[®]) algorithm is included for unbiased total RNA integrity assessment.
- Unique DNA Integrity number (DIN) algorithm is included for unbiased genomic DNA integrity assessment.
- Agilent offers dedicated kits (ScreenTapes and Reagents) for highly sensitive quality control of DNA and RNA samples; for example, for NGS library preparation.
- The TapeStation Analysis Software offers a color-coded result flagging tool for RIN[®] and DIN analysis and easy to use automated data evaluation.
- The TapeStation Analysis Software allows quick comparison of samples with a sample overlay feature in the Analysis Software. Sample overlay can be done for samples from various ScreenTapes and various runs in one window.
- The TapeStation Analysis Software offers adjustable and compact report functions (.pdf & .doc) and data export (.csv & .xml) for seamless data integration into LIMS.

Agilent Technologies is the sole manufacturer of the 4200 TapeStation system and this product is not manufactured by any other firm in India/ Abroad.

Elisa Vierung
Product Manager
4200 TapeStation system

14/10/2020
14/10/20

QUOTATION

To,
The Director
All India Institute of Medical Sciences
Bhubaneswar, Odisha – 751019

LCGC Ref. No : 378/2020-21/141020

Date : 14-10-2020

Quotation Validity : 90 Days

K/A- Dr. Dr. Ramadass Balamurugan
(Department of Biochemistry)

Subject: Quotation for Agilent 4200 Tape Station System

Dear Sir,
Our offer as follows:

Sl. No.	Cat. No.	Item and Specification	HSN CODE	Qty.	Discounted Price (INR)
01	G2991AA	Make: Agilent Technologies Model: G2991AA - 4200 Tape Station System Country of Origin: USA/ Germany The Agilent 4200 Tape Station system automates RNA, DNA QC, including sample loading, separation, and imaging. - Fast – Obtain results in as little as one minute per sample, even for 96 samples. - Ready-to-use consumables provide accurate and reproducible results - Automation eliminates the complicated and subjective staining methods involved in standard SDS-PAGE. - Ideal for sample QC in the Next Generation Sequencing workflows - Requires no more than 2µL of DNA and is sensitive down to 5pg/µL. - Ready-to-use consumables avoid exposure to hazardous chemicals and improve reproducibility - Partially used ScreenTape devices can be used at a later point in time; there is no need to batch samples	90272000	01	29,39,995.00

[Signature]
14/10/2020

[Signature]
14/10/20

Sl. No.	Cat. No.	Item and Specification	HSN CODE	Qty.	Discounted Price (INR)
02		- RIN[®] for accurate and objective assessment of total RNA degradation - Ready-to-use consumables provide excellent reproducibility - Genomic DNA ScreenTape assay for the analysis of genomic DNA from 200 to > 60,000 bp Standardize genomic DNA QC with the DNA Integrity Number (DIN) Compitable Laptop		01	Inclusive
Quotation value (INR)					29,39,995.00
Add: GST@5%					1,47,000.00
Total Quotation value with GST(INR) (F.O.R)					30,86,995.00

Note: GST Tax "AS APPLICABLE", 5% GST Tax – Only if Notification for Research Purpose is issued With sign by the Head of the Institute or Authorized Signatory. If not, "Regular Tax will be Applicable"

F.O.C Items					
No	CAT No	Item and Specification	HSN Code	Qty.	Price (INR)
1		Warranty 5 Years		1	Free of Cost
2	5067-5582	D1000 ScreenTape	38220090	1	Free of Cost
3	5067-5583	D1000 Reagents	38220090	1	Free of Cost
4	G2991AA-44K	Installation (44K)	90272000	1	Free of Cost
5	G2991AA-44L	Familiarization at Installation (44L)	90272000	1	Free of Cost

Terms & Condition

1. After receiving the confirmed purchase order, will be supplied within 6 to 8 working weeks.
2. The prices quoted @ F.O.R. basis.
3. GST will be as per the Government rules at the time of billing. As per the GST norms of Govt. of India, 5% GST only applicable if the product will be used only for research purpose, and require below documents.
 - i. DSIR Certificate requires.
 - ii. 5% GST Notification require at Institute letter head with sign and seal.
4. If the product will be using for diagnostic purpose or any others purpose, in that case GST would be 18%
5. GST number is mandatory to mention on purchase order copy. GST Registration number requires while doing the shipment from Hyderabad to your destination.
6. Road Permit require for supply purpose (if applicable)
7. Order Should be E-mail to subratpaul@lgcindia.com/ sumandey@lgcindia.com

8. How To Order:

Please submit your Purchase Order and a complete copy of this quotation in favour of

LCGC Life Sciences LLP
LCGC Towers, 161/166 Paigah Colony, S. P. Road, Hyderabad-500003.
info@lgcindia.com
Tel: 040-6631-5242/43
Mob: 8444977706
Fax: 040-6632 9000

9. Customer Service:

Having trouble submitting orders online or questions with an order, please contact us

Agilent Technologies
'customercare.india@agilent.com'
18001801517

10. Payment Terms 30 Days After installation system.
11. Payment to be made in favour of M/s. LCGC Life Sciences LLP. (NEFT/DD/Cheque/RTGS)

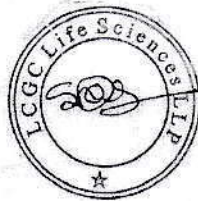
Bank Details:

- Bank Name: AXIS Bank Ltd.
- Address: 6-3-879/B, FIRST FLOOR, G- PULLA REDDY BL.
- GREENLANDS, BEGUMPET ROAD, HYDERABAD – 500 016
- Account Number: 913020026565328.
- RTGS Alias IFSC Code: UTIB0000008
- MICR Code: 500211002

Company Details

- Company Name: LCGC LIFE SCIENCES LLP
- GST No: 36AAEFL8473G1Z1
- PAN No: AAEFL8473G

For LCGC LIFE SCIENCES LLP



(Signatory)

Agilent Technologies, Inc.
5301 Stevens Creek Blvd.,
Santa Clara, CA 95051

408 345-8886 telephone
408 345-8242 facsimile
www.agilent.com



Agilent Technologies

March 28, 2017

To whom it may concern

We hereby certify that Agilent Technologies India Pvt. Ltd. ("AT India"), bearing Company Identification Number U74140DL1999PTC100823 having its registered office address at Ground Floor, Elegance Tower, Plot No. 8, Jasola District Center, Jasola, New Delhi – 110025 is an ultimate subsidiary of Agilent Technologies, Inc. ("AT Inc") and that AT Inc is the ultimate parent company of AT India.

AT India is authorized to sell, service, support and distribute Agilent's product.

Agilent Technologies Singapore (Sales) Pte. Ltd. ("ATSS"), bearing Company registration number 199904761K, having its registered office address at No. 1 Yishun Avenue 7, Singapore 768923 is also a subsidiary of Agilent Technologies, Inc (the "AT Inc") and that AT Inc is the ultimate parent company of ATSS.

Yours faithfully

AGILENT TECHNOLOGIES, INC.

P. Diana Chiu
Vice President, Assistant General Counsel
and Assistant Secretary



DV₂₀₀ Evaluation with RNA ScreenTape Assays

Author

Eva Graf
Agilent Technologies, Inc.
Waldbronn, Germany

Abstract

The success of library preparation for RNA sequencing workflows depends highly on the quality of RNA starting material. The RNA integrity number equivalent (RIN®) obtained with Agilent RNA ScreenTape assays is a reliable and reproducible metric to evaluate sample integrity for standard RNA sequencing. Library preparation of RNA samples originating from formalin-fixed paraffin-embedded (FFPE) tissue is challenging, due to RNA degradation and restricted sample volume, thus tailored protocols are recommended for FFPE RNA library preparation. The fragment size distribution of FFPE RNA samples has a major influence on the library yield, and can be represented as the percentage of RNA fragments above 200 nucleotides by the DV₂₀₀ quality metric¹. The Agilent RNA ScreenTape and Agilent High Sensitivity RNA ScreenTape assays are convenient for highly reproducible DV₂₀₀ evaluation of degraded RNA samples extracted from FFPE tissue. The Agilent TapeStation Analysis software enables simple assessment and processing of DV₂₀₀ data by region analysis, which can be automated for repeated DV₂₀₀ analysis.

Automated Region Setup

To define a DV₂₀₀ region as default for reoccurring FFPE RNA sample analysis, click Region, then click Region Settings, and enter the lower and upper limits of the region in the dialog box (Figure 1). To identify the region in the electropherogram, type DV₂₀₀ as region comment. To apply the DV₂₀₀ region to all files of the same assay as the active file, select Assay Files.

When DV₂₀₀ regions are defined, the value is provided in the region table in the % of Total column for each sample (Figure 2). All region data can be exported and reported when selecting the region table. Note that the concentration shown in the region table of the TapeStation Analysis software, as well as in exported files and reports, refers to the concentration of the defined region; the total sample concentration is displayed in the sample table.

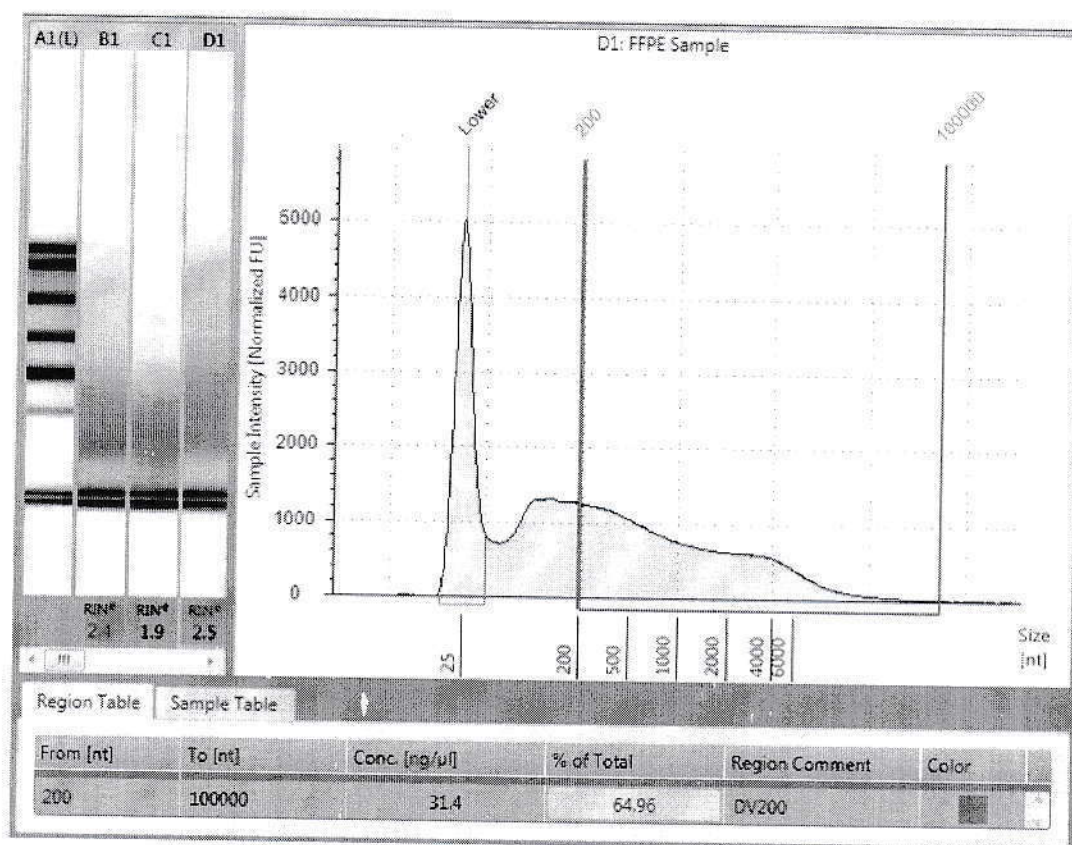


Figure 2. FFPE RNA sample analysis showing DV₂₀₀ as percentage of total in the region table.

Severely degraded FFPE samples may migrate closely to the lower marker leading to insufficient separation of the lower marker, especially at sample concentrations close to the upper limit of the specified quantitative range. In this case, diluted samples yielded more accurate results for DV_{200} (see Figure 5).

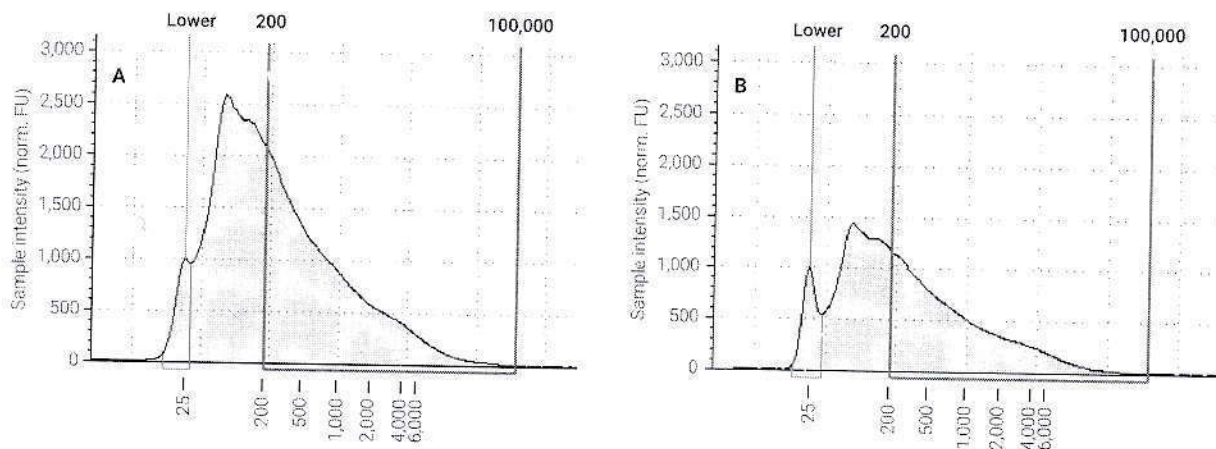


Figure 5. Highly degraded FFPE RNA sample merging with the lower marker (A) and with improved marker separation after 1:2 dilution (B).

Assay Comparison

Twenty FFPE RNA samples from various human tissues were analyzed with the RNA ScreenTape assay, and after 1:20 dilution with the High Sensitivity RNA ScreenTape assay. The DV_{200} obtained with the RNA assay ranged from 40 to 74 %, and the corresponding samples analyzed with the High Sensitivity RNA assay resulted in 101 ± 5 % of these values. To verify the comparability of DV_{200} measured with the RNA and High Sensitivity RNA ScreenTape assays, both values were plotted against each other, as shown in Figure 6.

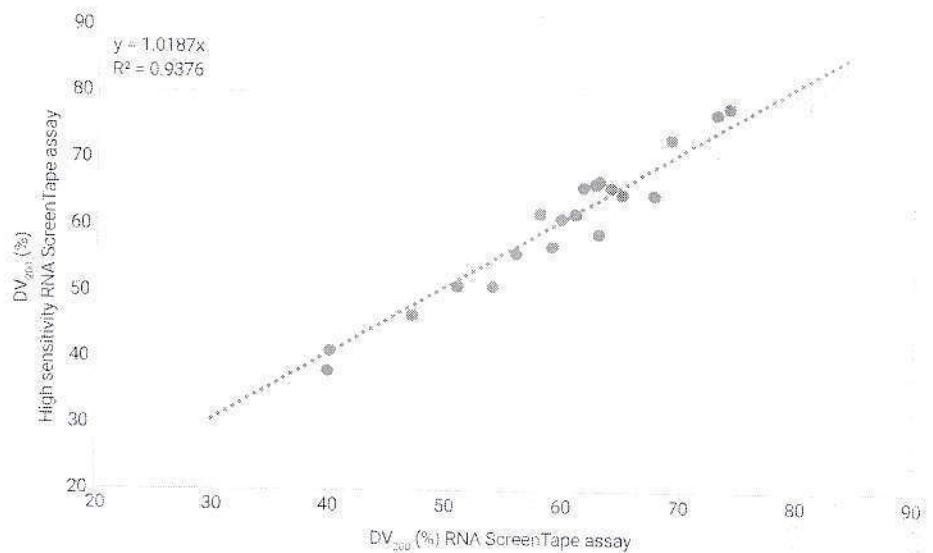


Figure 6. Comparison of DV_{200} data from FFPE RNA samples obtained with the Agilent RNA ScreenTape and the Agilent High Sensitivity RNA ScreenTape assays with a linear regression line forced through the origin.

QUOTATION

To,
The Director
All India Institute of Medical Sciences
Bhubaneswar, Odisha – 751019

K/A- Dr. Dr. Ramadass Balamurugan
(Department of Biochemistry)

LCGC Ref. No : 473/CMC/2020-21/011220
Date : 01-12-2020

Ref. Quotation No : 378/2020-21/141020
Date : 14-10-2020

Quotation Validity : 60 Days

Subject: Quotation for Comprehensive Maintenance Contract (CMC) of Agilent 4200 Tape Station System

Dear Sir,
Our offer as follows:

Part No	Description	Qty.	CMC Price (INR)
SYS-TS-4200-8D1	Comprehensive Maintenance Contract for 6 th Year after warranty period of 5 years	01	86,995.00
SYS-TS-4200-8D2	Comprehensive Maintenance Contract for 7 th Year after warranty period of 5 years	01	1,17,702.00
SYS-TS-4200-8D3	Comprehensive Maintenance Contract for 8 th Year after warranty period of 5 years	01	2,35,404.00
SYS-TS-4200-8D4	Comprehensive Maintenance Contract for 9 th Year after warranty period of 5 years	01	3,53,106.00
SYS-TS-4200-8D5	Comprehensive Maintenance Contract for 10 th Year after warranty period of 5 years	01	4,70,808.00

Note: GST extra as applicable as per the Govt. rules


Dr. Balamurugan Ramadass
Additional Professor
Department of Biochemistry
AIIMS, Bhubaneswar-751019



GeM
Government
e Marketplace

Report ID: GEM/GARPTS/04012021/XOOZHAZXCOXK

Report Name: High Throughput automated capillary electrophoresis system

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

Generated On: 04/01/2021

Valid till: 03/02/2021

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: High Throughput automated capillary electrophoresis system (Tapestation 4200)

Search type: Product

Search Result: Category not available on GeM for the text string searched by the buyer.

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.