



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, VIJAYPUR,
JAMMU- 184120

DEPARTMENT OF MICROBIOLOGY

CALL FOR OBJECTION NOTICE

No.-AIIMS/JMU/Micro/FA/2025/03

Date: 30/01/2025

Reference Government of India Ministry of Finance Department of Expenditure letter no 4/1/2023-PPD (pt) 28th June 2024 (Proprietary Article) Procurement through Rate Contract against device BD Bactec MGIT 960 Automated TB liquid culture and drug sensitivity system for Department of Microbiology in AIIMS, Vijaypur, Jammu.

Subject: Call for objection against procurement through Rate Contract against device BD Bactec MGIT 960 Automated TB liquid culture and drug sensitivity system for Department of Microbiology in AIIMS, Vijaypur, Jammu.

It is intended to procure BD Bactec MGIT 960 Automated TB liquid culture and drug sensitivity system on proprietary basis as per provision of GFR, 2017 rule 166, directly from M/S Becton, Dickinson and Company against their proposal submitted and by accepting M/s Becton Dickinson India Private Limited (BD INDIA) as the sole supplier of equipment BD Bactec MGIT 960 Automated TB liquid culture and drug sensitivity system for the Department of Microbiology which satisfies all requirements of being a proprietary item.

Relevant documents are published on Institute website & CPP portal for inviting objections/ claims/ comments if any, from eligible manufacturer/ supplier, before accepting the claim of earlier said manufacturer and accordingly making procurement under Proprietary article.

Objections/ claims/ comments should be sent to the office of Deputy Director (Admin), AIIMS, Vijaypur, Jammu in a sealed envelope with above mentioned subject & reference number, or by e-mail at dda@aiimsjammu.edu.in within 14 days from the date of publication of this notice i.e. on or before 13/ 02/ 2025 upto 05:00 PM.

After due date, it will be assumed that no manufacturer/ supplier has any objection/ claim against above mentioned equipment article and same will be considered as Proprietary article.

Enclosure:

- PAC certificate by manufacturer
- PAC certificate by Department (Form P-3)
- Form P-2 with technical specifications




खरीद अधिकारी

Procurement Officer
भखिल भारतीय आयुर्विज्ञान संस्थान, विजयपुर जम्मू-१८४१२०
All India Institute of Medical Sciences, Vijaypur, Jammu-184120



मुख्य खरीद अधिकारी
Chief Procurement Officer
भखिल भारतीय आयुर्विज्ञान संस्थान, विजयपुर जम्मू-१८४१२०
All India Institute of Medical Sciences, Vijaypur, Jammu-184120

AIIMS, VIJAYPUR, JAMMU-184120

INDENT FOR PURCHASE OF STORES (FORM P-2)

1. Please fill a separate form for each item
2. Please fill completely in triplicate. Incomplete form and those with illegible writing may not be accepted.

Name of items with full specifications required accessories	& Quantity (in figures and words)	Cost per unit (approx.) in foreign currency and rupees	Total cost (approx.).
BD Bactec MGIT 960 Automated TB liquid culture and drug sensitivity system	01(ONE)	Approx. Rs 65,00,000/ (Rupees Sixty five lakhs only)	Rs 65,00,000/ (Rupees Sixty five lakhs only)

3. For equipment, please provide the following information

Detailed description of the actual use of the equipment
Is the equipment to be used for patient care or research. **Yes**

डॉ. मनीष रंजन
Dr. Manish Ranjan
सहायक आचार्य
Assistant Professor
सूक्ष्म जीव विज्ञान विभाग
Department of Microbiology
अखिल भारतीय आयुर्विज्ञान संस्थान
All India Institute of Medical Sciences, Vijaypur, Jammu-184120

Is this /similar equipment already available in the department? **NO**

When purchased? Cost at that time: Present functional status
Test/procedures done on this equipment in, last year: Not available with the
Department

Revenue generated by this equipment in last year: N/A

If yes, what is the justification for this purchase? N/A

Is this /similar equipment available in any other department in the institute? No

If yes, what is the justification for this purchase? N/A

4. **For Consumable, please provide following information:** N/A

Description of stocks available:

When was it last purchased? In what quantity? Cost: Source

Test/ procedures done in this period:

Average annual consumption Shelf life

Period for which this purchase will last Number of tests likely to be done with this
quantity:

5. **For furniture, please provide the following information:** N/A

Exact location and use

Existing furniture at that place

Justification for this purchase

Possible source (name all source you know) form where item may be obtained
(name, address, phone no, fax no, email, etc. of contact person)

INDENTOR

Signature

Name- Dr. V.S. Priya

Designation - Assistant Professor

Department of Microbiology

AIIMS, VIJAYPUR, JAMMU-184120

HEAD OF DEPARTMENT/ SECTION

Signature

Name- Dr. Manish Ranjan

Designation - Associate Professor & offd Head

Department of Microbiology

AIIMS, VIJAYPUR, JAMMU-184120

P-3 FORM

(To be attached with P-2 form for proprietary items)

AIIMS, Vijaypur, Jammu-184120

PROPRIETARY ARTICLE CERTIFICATE

It is certified that the items (BD Bactec MGIT 960 Automated TB liquid culture and drug sensitivity system) required in the P-2 form should be purchased from M/S M/s Becton Dickinson India Private Limited (BD INDIA) which is a 100% subsidiary of M/S Becton, Dickinson and Company 7 Loveton circle, Sparks, MD-21152, USA who are proven and reputable manufacturer of items BD Bactec MGIT 960 Automated TB liquid culture and drug sensitivity system having factories in USA etc. to the best of my knowledge, M/s Becton Dickinson India Private Limited (BD INDIA) is an authorized dealer of M/S Becton, Dickinson and Company 7 Loveton circle, Sparks, MD-21152, USA.

Similar items manufactured by another firm (s) shall not be suitable for our purpose for the following reasons: This is a Proprietary item, and the automated system will significantly enhance our capability in Mycobacteriological diagnostics, leading to improved patient outcome and fostering innovative research.

V.S.P.
(Sig of Indenter)

Dated: 27 January 2025

Dr. V.S. Priya
Department of Microbiology
AIIMS, Vijaypur, Jammu-184120
All India Institute of Medical Sciences, Vijaypur, Jammu-184120

Recommended by:

Manish Ranjan
27 Jan 2025
Signature of Head of Department/Section
Department of Microbiology

Dr. Manish Ranjan
Assistant Professor
Department of Microbiology
All India Institute of Medical Sciences, Vijaypur, Jammu-184120

FORMAT FOR THE STATEMENT OF CASE (SOC)

Case Title: Procurement of Automated TB culture and drug sensitivity detection system

S. No.	Item	Details
1.	Section/Department/Division initiating the SOC	Department of Microbiology
2.	Name of the item(s)/services being procured	Automated TB culture and drug sensitivity detection system
3.	Category of item (Furniture, Stationery, Services, IT, Medical Equipment, Medical consumables, Medicines, etc.)	Medical Equipment
	(a) Name/List of items to be enclosed.	-
4.	Justification for procurement	
	i. Which item was serving the purpose till the date?	No machine is available in department for culture of TB and doing drug sensitivity testing.
	(ii) Broad purpose of items being procured, with detailed justification.	Appendix A
5.	(i) Category of proposal – • Fresh purchase • Up gradation • Replacement • Maintenance • Repair • Any other (to be specified)	Fresh purchase
	(ii) If it is a fresh purchase, how was the purpose being served till date?	TB culture was not being done till now in the department
6.	Quantity	
	(a) Basis for working out the quantity against each item – (formula, methodology, etc.).	01 (One) 1- Mycobacteriology Lab
	(b) Details like authorized holdings, existing holdings, deficiency etc. (NAC from Store Section to be enclosed).	-
	(c) Calculation sheet to be enclosed.	-
	(d) Proposed distribution of items being bought with justification.	Appendix A
7.	Estimated cost of proposal along with basis for the same (GeM rate, LPP, Quotations, etc.).	Appendix B
8.	Details of the last purchase:	
	(a) The Quantity and dates on which similar items were procured in last one year.	Not Done so far
	(b) If it is a recurring item, the total period for which the items are being procured.	-
9.	Mode of Tendering:	

Dr. Anurag Aggarwal
Dr. Anurag Aggarwal

सहायक-आचार्य
 Assistant Professor
 सूक्ष्म जीव विज्ञान विभाग
 Department of Microbiology
 अखिल भारतीय आयुर्विज्ञान संस्थान, विजयपुर जम्मू-१८४१२०
 All India Institute of Medical Sciences, Vijaypur, Jammu-184120

Dr. Manish Ranjan
 Dr. Manish Ranjan
 सहायक आचार्य
 Assistant Professor
 सूक्ष्म जीव विज्ञान विभाग
 Department of Microbiology
 अखिल भारतीय आयुर्विज्ञान संस्थान, विजयपुर जम्मू-१८४१२०
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	(a) GeM portal	
	(i) Under Rule 149 (i) or 149 (ii) or 149 (iii) of GFR-2017.	-
	(ii) Relevant documents/screenshots etc. to be enclosed.	-
	(b) Non-GeM	
	Reasons for not procuring through GeM portal. If not available on GeM portal, GeMAR&PTS to be enclosed.	The item being procured is a PAC item.
	(ii) e-Tendering, or 'e-publishing and offline bidding'.	-
	(iii) Offline bidding (permitted only when items are not available on GeM portal and amount of proposal is upto Rs 2,50,000/-).	-
10.	Draft RFP to be enclosed	Appendix A

Format for Quantity and Cost of proposal (S. Nos. 6 & 7 of SOC):-

S. No.	Name of items	Quantity	Rates (in Rs)	Total basic cost (in Rs)	Rate of Tax/GS T (in %)	Tax/GST per item (in Rs)	Total Tax/GS T (in Rs)	Total amount (in Rs)
1	Automated TB culture and drug sensitivity detection system	01	65,00,000	NA	NA	NA	NA	65,00,000

Alisha
 डॉ. अलिशा अग्रवाल
 Dr. Alisha Aggarwal
 सहायक-आचार्य
 Assistant Professor
 सूक्ष्म जीव विज्ञान विभाग
 Department of Microbiology
 अखिल भारतीय आयुर्विज्ञान संस्थान, विजयपुर जम्मू-१८४१२०
 All India Institute of Medical Sciences, Vijaypur, Jammu-184120

Manish Ranjan
 डॉ. मनीष रंजन
 Dr. Manish Ranjan
 सहायक आचार्य
 Assistant Professor
 सूक्ष्म जीव विज्ञान विभाग
 Department of Microbiology
 अखिल भारतीय आयुर्विज्ञान संस्थान, विजयपुर जम्मू-१८४१२०
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DEPARTMENT OF MICROBIOLOGY

APPENDIX A

Proposal for purchase of Automated Tuberculosis (TB) culture and Drug sensitivity
detection system

Background

The Department of Microbiology at AIIMS Jammu aims to strengthen its diagnostic capabilities, particularly for Mycobacterium tuberculosis (MTB), a critical pathogen responsible for tuberculosis (TB), a major public health threat in India. Early detection and drug susceptibility testing (DST) are crucial for effective treatment and management. Current solid culture methods for MTB have limitations in speed, sensitivity, and recovery of viable organisms. Liquid culture systems represent a significant advancement in TB diagnostics and patient care.

Justification for Automated TB culture:

- **Increased Sensitivity and Speed:** The automated liquid culture system provides more sensitive and rapid detection of MTB compared to traditional solid cultures. This reduces the time for mycobacterial growth detection from weeks to just 7-14 days, enabling quicker diagnosis and treatment.
- **Improved Drug Susceptibility Testing:** Accurate DST is essential for managing TB, especially in cases of multi-drug resistant (MDR) and extensively drug-resistant (XDR) strains. The automated system facilitates DST, allowing prompt identification of drug-resistant strains and guiding appropriate treatment regimens.
- **Automated System with High Throughput:** As the system is automated, it allows continuous monitoring, standardization, and reduced human error. It is ideal for high-throughput settings, where a high volume of samples can be processed efficiently, an important aspect given the potential TB burden in the region.
- **Enhanced Patient Care and Infection Control:** Faster and accurate TB diagnostics reduce delays in initiating treatment, improving patient outcomes and reducing the risk of transmission within healthcare settings and the community.

Swati Aggarwal

Aisha
डॉ. अशिका अग्रवाल
Dr. Aisha Aggarwal
रासायन-आचार्य
Assistant Professor
Department of Microbiology
अखिल भारतीय आयुर्विज्ञान संस्थान, विजयपुर जम्मू-१८४१२०
All India Institute of Medical Sciences, Vijaypur, Jammu-184120

Manish Ranjan
डॉ. मनीष रंजन
Dr. Manish Ranjan
सहायक प्राध्यापक
Assistant Professor
रसायन विज्ञान विभाग
Department of Microbiology
अखिल भारतीय आयुर्विज्ञान संस्थान, विजयपुर जम्मू-१८४१२०
All India Institute of Medical Sciences, Vijaypur, Jammu-184120

Department of Microbiology, 2nd Floor, Academic Block, Vijaypur, Jammu-184120



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Technical Specifications of the automated TB culture System

- System should be capable to perform rapid culture, differentiation and sensitivity testing for *Mycobacterium tuberculosis*.
- System working principle should be based on non-invasive sensitive fluorescent technology.
- System should have continuous incubation, monitoring and detection facility with specific algorithm for analyse slow growth patterns of Mycobacterium.
- System should be able to process minimum 5 fresh samples per day with standard international protocol.
- System should have more than 900 sample positions with compact space-saving design with User-friendly operation keys.
- System should be able to process both respiratory & non-respiratory samples.
- System should have BARCODE Scanner.
- System should not have any sharp at the time sample inoculation to avoid any needle stick injury to user. (To avoid infectious disease transmission to the user, like HIV, HCV, HBV, etc.)
- Both First Line Drug Kit/ Media and its protocol should be FDA cleared and approved.
- System should have a validated protocol to perform 1st Line Drug Sensitivity Testing
- System should be able to perform second drug sensitivity testing and should have a validated protocol to perform 2nd Line Drug Sensitivity Testing
- System should have its own validated kit form rapid differentiation between MTBc and MOTT within 15 minutes.
- System should be supplied with ready to use lyophilized drug vials for entire range of 1st Line Drug Sensitivity testing i.e. S,I,R,E,P.
- System should be capable of automatic report generation for the interpretation of Drug Sensitivity testing results.

Swati Reghat

Department of Microbiology, 2nd Floor, Academic Block, Vijaypur, Jammu-184120

Dr. Alisha Aggarwal
Assistant Professor

All India Institute of Medical Sciences, Vijaypur, Jammu

Dr. Manish Ranjan
Assistant Professor

Jammu 184120



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, VIJAYPUR,
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DEPARTMENT OF MICROBIOLOGY

- System should be supplemented with Ready Made Pyrazinamide Drug media for standardized result.
- Company should have its own factory certified drug kit for 1st Line Drug Sensitivity Testing for 5 drugs along with Pyrazinamide Drug Media
- Should have provision of future software up-gradation.
- System should be supplied along with on line UPS with 30 minutes back-up.
- System should be approved by Central TB Division.
- System should be supplied with high end database management system which can integrated to Hospital/ Lab information system for bi-directional information flow for patient data and information on drug sensitivity patterns with following features-
 - Work-station
 - Detailed Patient Data Incorporation
 - Specimen Demographics
 - Centralized Order Management for Microbiology testing
 - Improved workflow
 - Multiple (instrument) Connectivity
 - Detailed Data Review-Patient, Specimen, Test & Isolate levels
 - Unlimited Microbiology Data Storage Capacity
 - Full Transaction Logging
 - Direct On-line Technical Support
- Warranty for ~~5 years~~ *02 (Two) years + 08 yrs emc part*
- The system should be US FDA approved and compliance with ISO 9001 and ISO 13485 standards

Budget Estimation

The estimated budget for the liquid culture system is approximately 65 lakhs

Conclusion

The adoption of the liquid culture system at AIIMS Jammu will ensure high-quality, timely, and accurate diagnostics for tuberculosis. It will significantly impact patient care, especially for MDR and XDR-TB cases, aligning with national and global TB eradication goals

Swati Rajput

meta@upta

Alisha
Dr. Alisha Aggarwal
सहायक-आचार्य
Professor
Department of Microbiology
अखिल भारतीय आयुर्विज्ञान संस्थान, विजयपुर जम्मू-184120
All India Institute of Medical Sciences, Vijaypur, Jammu-184120

Manish Ranjan
Dr. Manish Ranjan
सहायक आचार्य
Assistant Professor
सूक्ष्म जीव विज्ञान विभाग
(Department of Microbiology)
अखिल भारतीय आयुर्विज्ञान संस्थान, विजयपुर जम्मू-184120
All India Institute of Medical Sciences, Vijaypur, Jammu-184120



Becton, Dickinson and Company
7 Loveton Circle
Sparks, MD 21152
USA
Tel: 410-316-4000
Fax: 410-316-4188

bd.com

PROPRIETARY CERTIFICATE

To Whom it May Concern:


We hereby declare that the below listed instruments are a registered trademark of Becton, Dickinson and Company. All trademarks mentioned below are proprietary items under international intellectual property rights.

SKU NO.	Product Description	Intended Use
441743	BD Bactec MGIT 320 System	The BD BACTEC™ MGIT™ 320/960 System is designed for the automated rapid detection of mycobacteria from clinical specimens (except blood and urine). In addition to detection of mycobacteria, the BD BACTEC™ MGIT™ Antimicrobial/Drug Susceptibility Testing (AST or DST) system is a rapid qualitative procedure for susceptibility testing of Mycobacterium tuberculosis, from culture, to streptomycin, isoniazid, rifampin, ethambutol, and pyrazinamide.
445870	BD Bactec MGIT 960 System	The BD BACTEC™ MGIT™ 320/960 System is designed for the automated rapid detection of mycobacteria from clinical specimens (except blood and urine). In addition to detection of mycobacteria, the BD BACTEC™ MGIT™ Antimicrobial/Drug Susceptibility Testing (AST or DST) system is a rapid qualitative procedure for susceptibility testing of Mycobacterium tuberculosis, from culture, to streptomycin, isoniazid, rifampin, ethambutol, and pyrazinamide.

Becton, Dickinson and Company, as on date, exclusively manufactures the above-mentioned products. We confirm that Becton Dickinson India Private Limited (BD India) is our 100% subsidiary in India and is authorized to market these products as a proprietary item and provide necessary services in terms of product knowledge and training.

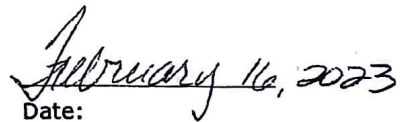
For Becton, Dickinson and Company

Sincerely,



Carole E. Ledford

Senior Manager, International Regulatory Affairs


Date: February 16, 2023


Dr. Manish Ranjan

Assistant Professor
सुख जीव विज्ञान विभाग
Department of Microbiology
ऑडिजल भारतीय अणुविज्ञान मण्डल, धनशुभ नगर, १८११२०
All India Institute of Medical Sciences, Vignapur, Jammu-180100

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, VIJAYPUR, JAMMU- 184120

(A Central Autonomous Body under PMSSY, MoH&FW, Government of India)



Annexure III

UNDERTAKING REGARDING TECHNICAL SPECIFICATIONS


To whom it may concern,

This is to certify that the specifications provided herein for the procurement of items/equipment/instruments/consumables are formulated in a broad-based manner and are general with respect to the requirements of the department/institute. These specifications are not tailored to suit any particular firm, brand, or manufacturer.

We, the undersigned, hereby undertake that:

1. The specifications provided have been developed to meet the actual and essential needs of the department/institute without any bias towards a specific firm or brand.
2. No brand names, catalogue numbers, or specific manufacturer details have been included in the specifications except where unavoidable due to technical necessity. In such cases, the specifications clearly state that alternatives meeting equivalent standards will also be acceptable.
3. In the case of the Proprietary Article item, the "Proprietary Article Certificate" (PAC) has been signed and submitted along with the Technical Specification after doing market survey/research.
4. The specifications have been carefully reviewed to ensure compliance with procurement regulations and standards.
5. Any deviations from standard specifications or additional parameters have been duly recorded and justified.

This undertaking is issued with full authority from our department and is binding upon all relevant stakeholders.

Sincerely,


(Signature with date and stamp of authorized person)

Dr. Manish Ranjan
10 Jan 2025
Assistant Professor
Department of Microbiology
All India Institute of Medical Sciences, Vijaypur, Jammu-184120



Annexure IV

PROPRIETARY ARTICLE CERTIFICATE FROM THE USER DEPARTMENT

- (i) Item/Type/Model No. required along with specifications. : Automated TB liquid & Drug Sensitivity System
- (ii) If the item is a spare part attachment or accessory for an existing equipment. : -NA-
- (iii) Name of the manufacturer/Supplier of the item proposed : Becton, Dickinson and company
- (iv) Are they sole manufacturers/distributors of the item? : Yes
- (v) Is there any other item with similar/equivalent specifications available in the market to meet the job requirement envisaged? If the answer is yes, why the same can't be procured. The demanding officer should bring comparative functional advantages /cost-effectiveness of the recommended item from those offered by others. : - NA -
- (vi) What were the efforts made to locate alternative sources of supply or use other substitutes? : Yes, no other alternative available
- (vii) Why open/limited tender can't he resort to for locating an alternative source? : Item is PAC. to the best of our knowledge. No All major Institutions/INI's have this instrument.
- (viii) Are the proprietary items certifying that the rates are reasonable or not? :
- (ix) Is there any other justification for procuring items from a single source? :

1) It is certified that market survey has been done and found that no other manufacturer is manufacturing similar/ equivalent specifications which can fulfil the vital requirements of end user.

2) It is certified that the purchase is proposed to be made on proprietary usage basis because any other material / equivalent/ instrument chemical etc. if used will lead to deviation and affect the integrity/ accuracy, validity or analysis of the assignment / patient care.

Sincerely,

(Signature with date and stamp of authorised person)

Manish Kanyan
06 Jan 25
Dr. Manish Kanyan
Assistant Professor
रक्त जीव विज्ञान विभाग
Department of Microbiology
All India Institute of Medical Sciences, Vijaypur, Jammu-184120

Alisha
6/1/25

Alisha
6/1/25