

### **NOTIFICATION OF PROPRIETARY ITEMS**

This hospital proposes to procure the following item on Proprietary basis. If any bidder has query/clarification about the items to be procured, the same may be sent to the C.M.O. Medical Store (M&E), Safdarjang Hospital till 31<sup>th</sup> August, 2016.

	<b>Name of the Item</b>	<b>Qty</b>	<b>Cost</b>	<b>Name of Manufacturer</b>
<b>1</b>	Fully Automated Mycobactrium Culture, Diffrentiation & DST 1 <sup>st</sup> & 2 <sup>nd</sup> Line System (MGIT)	<b>01</b>	<b>35.00 Lacs</b>	<b>M/s Becton Dickinson India Pvt Ltd</b>

**Technical Specification for Fully Automated Mycobacterium Culture, Differentiation & DST 1<sup>ST</sup> & 2<sup>ND</sup> Line System (MGIT)**

- 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 be capable to perform tests to differentiate typical and atypical mycobacterium within 3-4 days time.
- System should have continuous incubation, monitoring and detection facility with specific algorithm for analyze slow growth patterns of Mycobacterium.
- System should be able to process minimum 15 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 continuous on line automatic quality control check coupled with 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 1<sup>st</sup> Line Drug Sensitivity Testing
- System should be able to perform second drug sensitivity testing and should have a validated protocol to perform 2<sup>nd</sup> 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 1<sup>st</sup> 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.
- System should be supplemented with Ready Made Pyrazinamide Drug media for standardized result.
- Company should have its own factory certified drug kit for 1<sup>st</sup> Line Drug Sensitivity Testing for 5 drugs along with Pyrazinamide Drug Media
- Should have provision of future software up-gradation through Floppy Drive.
- 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 Platform Connectivity
  - Detailed Data Review-Patient, Specimen, Test & Isolate levels
  - Unlimited Microbiology Data Storage Capacity
  - Incorporation of Patient Therapies
  - Full Transaction Logging
  - Direct On-line Technical Support
  - Air conditioners (SPLIT) x 3