All-India Institute of Medical Sciences
Ansari Nagar, New Delhi-29.

(STORES SECTION (DO)

Dated: 23.08.2016

Ref. No.XX-451/SO(DO)/TII/2015-16/FSC-I

Subject: Proposal for purchase of Flowcytometer (Analyzer) with five lasers, 13 colour and 15 parameters or higher capacity on Proprietary basis (PAC) for department of TII at AIIMS - Inviting comments thereon.

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The Institute is in the process to purchase Flowcytometer (Analyzer) with five lasers, 13 colour and 15 parameters or higher capacity on Proprietary basis (PAC) for department of TII at AIIMS, New Delhi-110 029 from M/s.Becton Dickinson & Co., USA (OEM) through their Indian subsidiary Agent M/s.Becton Dickinson India Pvt. Ltd., New Delhi-01. The proposal submitted by M/s.Becton Dickinson India Pvt. Ltd., New Delhi-01, PAC certificate, quotation and other related documents are attached for ready reference.

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 **Ref. No.XX-451/SO(DO)/TII/2015-16/FSC-I.** The comments should be received by office of Sr. Stores Officer, Stores Section (DO), Animal House Building, Near Biotechnology Building at AIIMS on or before **07.09.2016 upto 4.30 p.m.**, failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Yours faithfully,

23.8.16

SR. STORES OFFICER

Encl: Related documents enclosed.

Department of Transplant Immunology & Immunogenetics
All India Institute of Medical Sciences
New Delhi – 110 029

Dated: 25/9/2015

Subject: Specifications for Flowcytometer (analyzer) with five lasers, 13 colour and 15 parameters or higher capacity

The Pre-bid conference was held on Wednesday, 24th September, 2015 at 4:00 PM in the committee room of the stores section AIIMS. As per the discussion with the vendors and in concurrence with the members of the specification committee, the revised specifications for the Flowcytometer (analyzer) with five lasers, 13 colour and 15 parameters or higher capacity to be purchased by open tender in the FY 2015-16 were finalized and are listed below:

Specifications for Flowcytometer (analyzer) with five lasers, 13 colour and 15 parameters or higher capacity

1. System should be a bench-top flow-cytometer with five lasers (blue, red, violet, UV and Yellow-Green) and should have the option for upgrades to higher configuration in future.
2. All lasers and their excitation-optics should be fixed aligned and each laser to have its unique pinhole.
3. System should have capability of detecting at least 15 parameters (13 or more fluorescence outputs and forward and side scatter).
4. System should be able to acquire at least 25,000 events per second.
5. System should have digital acquisition system and digital signal processor of at least 18-bit or better processor.
6. System should accept 3.5/5.0 ml tubes and 96-well plates for sample acquisition.
7. System should be provided with software capable of baseline settings of system performance, thereby ensuring automated instrument set-up for consistent results.
8. System should have the capability for compensation in real-time and also post-acquisition.
9. System should be supplied with the latest version of acquisition and analysis software with install discs and any software upgrades should be provided free of cost during the warranty and CMC period.
10. Should also be supplied with the latest compatible high-end data acquisition workstation from the source/original manufacturer with preferably dual high-resolution flat panel monitor (21 inch or higher) and original licensed software for data acquisition and analysis. The operating System and all other accessory software should be licensed and supplied with original installation CD/DVD/USB. Should be supplied a high-end colour Laser printer.
11. Should also be supplied with the latest compatible data analysis computer from the source/original manufacturer with a high-resolution flat panel monitor (21 inch or higher) and original licensed software for data analysis. The operating System and all other accessory software should be licensed and supplied with original installation CD/DVD/USB. Should be supplied with a colour Laser printer.
12. Should be supplied with a branded 5 KVA Online UPS with at-least 120 minutes backup for the data acquisition unit and a branded 1 KVA Online UPS with at-least 60 minutes backup for the data analysis unit.
13. Should be supplied with an anti-Vibration Platform with a sturdy tabletop.
14. Should be supplied with a Start-up kit including Calibration beads, flowcheck beads, 1000 Litres of Sheath fluid, sample acquisition tubes (1000 tubes), extensive on-site training for system and software and also training at company training centre for two personnel.
15. Vendor should provide a dedicated well trained operator stationed onsite, to handle the flowcytometer at company's expenses for five years following satisfactory installation. The operator will be selected by a joint selection committee including representatives from the company and Dept. of T.I.I, AIIMS under the chairmanship of HOD, T.I.I., AIIMS.
16. System should be quoted with five years complete cover warranty and additional five years of comprehensive AMC.
17. Company must have a direct presence in India with strong after-sales technical and service support and must ensure that all faults are rectified within 72 hrs.

ALL INDIA INSTITUTE OF MADICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110029

PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE

1.	Item/Type/Model No. Required Along with specification.	FlowCytometer (Analyzer) with 05 lasers, 13 Colors and 15 Parameters or higher capacity
2.	Is the Item a spare part Attachment or accessory for An existing equipment	No
3.	Name of the manufacturers/ Supplier of the item proposed By the indenter.	Becton Dickinson & Co.USA/ Becton Dickinson India Pvt Ltd, Haryana,India`
4.	Are they sole manufacturers/ sold distributors of the item	Becton Dickinson & Co.USA are sole manufacturer (See Flag `C')
5.	Is there any other item with similar/equivalent specification available in the market to meet `the hob requirement envisaged. If the answer is yes, why the Same can't be procured. Demanding officer should bring out comparative functional advantages/cost effectiveness of the recommended item from these offered by other.	This is a high-end, specially designed and engineered Flowcytometer by M/s BD Biosciences, USA. No other manufacturer has a machine with same specifications
6.	What were the efforts made to locate alternative source of supply or use other substitutes.	Global Tender floated twice in Financial Year 2015-16 only single bidder qualified technically
7.	Why open/limited tender can't be resorted to, for locating alternative source.	No other manufacturer has a machine with similar specifications (Flag `C')
8.	Are the proprietary items certifying that the rates are reasonable or not.	Yes, machine is specific and rates are reasonable
9.	Any other justification for procuring item from single source.	See attached note at Flag `B'

21.06.16

(Indenting Officer) (Head of the Dept)

I certify that the item at Sr.No.1 above is required to be procured on single tender basis as the source of supply is definitely known/the specified brand proposed was advantages in meeting our functional requirements and limited tender system could be dispensed with as they would serve no useful purpose in this particular case.
(Strike out whichever is not applicable)

Prof. D K Mitra, Head
Department of Transplant Immunology & Immunogenetics
A.I.I.M.S., New Delhi - 110029

Department of Transplant Immunology & Immunogenetics
All India Institute of Medical Sciences
New Delhi – 110 029

Proprietary Article Certificate for procuring the goods from a single source under the provisions of sub **Rule 154 (i) and 154 (iii)**

(i) The indented goods are manufactured by : **M/s. BD Biosciences, USA.**

(ii) No other make or model is acceptable for the following reasons: **The department requires a flowcytometer fulfilling these specifications to enable FACS analysis with patient samples. The cell counts of many of these patients are very low. Therefore, we need to perform a single cell analysis of 12-13 colour routinely in such patients to enable comprehensive analysis for a meaningful report. To achieve this with the limited cell numbers in these patients, we tag their cell samples with antibody conjugated special dyes and then need to excite with five different lasers simultaneously (Blue, Red, Violet, UV and Yellow-green). The use of such reagents and dyes has been standardized in our laboratory over the past few years and hence the specific requirement for procuring a flowcytometer having five lasers capable of simultaneous excitation.**
Additionally, the only other flowcytometer (analyzer) in our department has developed a serious snag and is currently non-functional. Although all efforts are being made to get it functional, this system is no longer reliable as it is over 18 years old and availability of spares is always an issue. This makes the procurement of a new flowcytometer (analyzer) imperative to ensure uninterrupted patient care services. In the present case the tender for the "5 laser 13 colour, 15 parameter" has been floated twice and there is only one technically qualifying bid each time (M/s. BD Biosciences India). Since there is now no scope for any further dilution of the specifications and the fact there is no other manufacturer for such a flowcytometer, it is proposed by us that the same may be procured on Proprietary Article basis. The relevant documents for the same are attached herewith.

(iii) Concurrence of finance wing to the proposal vide: .....

(iv) Approval of the competent authority vide: .....

26.7.16
Dr. Sanjeev Goswami / Scientist
ट्रांसप्लान्ट इम्युनोलॉजी एवं इम्युनोजेनेटिक्स विभाग
Dept. of Transplant Immunology & Immunogenetics
All India Institute of Medical Sciences, अंसारी नगर, नई दिल्ली-29
A.I.I.M.S., Ansari Nagar, New Delhi-29

26.07.16
(Signature with date and designation of the procuring officer)

प्रो. डी. के. मित्रा, हैड
Prof. D K Mitra, Head
डीपार्टमेन्ट ऑफ ट्रांसप्लान्ट
Department of Transplant
इम्युनोलॉजी एण्ड इम्युनोजेनेटिक्स
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Department of Transplant Immunology & Immunogenetics
All India Institute of Medical Sciences
New Delhi – 110 029

June 18, 2016

During the last financial year (2015-16) the specifications for the procurement of **"5 laser, 13 colour, 15 parameter or higher capacity" flowcytometer (Tender ref. no. XX-339(A)/SO(DO)/TII/2015-16/FSC-I)** were submitted following extensive discussion and deliberation by the duly constituted expert committee. These specifications are already very broad-based and have undergone revision once following the pre-bid meeting with qualifying vendors.

The department requires a flowcytometer fulfilling these specifications to enable FACS analysis with patient samples. The cell counts of many of these patients are very low. Therefore, we need to perform a single cell analysis of 12-13 colour routinely in such patients to enable comprehensive analysis for a meaningful report. To achieve this with the limited cell numbers in these patients, we tag their cell samples with antibody conjugated special dyes and then need to excite with five different lasers simultaneously (Blue, Red, Violet, UV and Yellow-green). The use of such reagents and dyes has been standardized in our laboratory over the past few years and hence the specific requirement for procuring a flowcytometer having five lasers capable of simultaneous excitation.

Additionally, the only other flowcytometer (analyzer) in our department has developed a serious snag and is currently non-functional. Although all efforts are being made to get it functional, this system is no longer reliable as it is over 18 years old and availability of spares is always an issue. This makes the procurement of a new flowcytometer (analyzer) imperative to ensure uninterrupted patient care services.

In the present case the tender for the "5 laser 13 colour, 15 parameter" has been floated twice and there is only one technically qualifying bid each time (M/s. BD Biosciences India). Since there is now no scope for any further dilution of the specifications and the fact there is no other manufacturer for such a flowcytometer, it is proposed by us that the same may be procured on a Proprietary Article basis. The relevant documents for the same are attached herewith.

Stores section may kindly do the needful at the earliest.

21.06.16

Prof. D.K. Mitra
Head, T.I.I

Prof. D K Mitra, Head
Department of Transplant
Immunology & Immunogenetics
A.I.I.M.S., New Delhi - 110029

Discussed
me H. Ram to discuss
24.6.16

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tel: 65 6861 0633
fax: 65 6860 1593
www.bd.com

BD
Advancing the world of health

PROPRIETORY CERTIFICATE

To Whom So Ever It May Concern

This is to certify that BD LSRFortessa™ Cell Analyzer *system has following given proprietary points:*

- Fixed optical assembly (quartz cuvette flow cell) with spatially separated laser interrogation points gel coupled by refractive index-matching optical gel to the fluorescence objective lens (1.2 NA) for optimal fluorescence collection efficiency and minimal cross-laser background.
- The patented reflective collection optics arranged in octagon- and trigon-shaped optical pathways to maximizes signal detection and increases sensitivity and resolution.
- Compatible with BD patented CS&T technology for performance tracking and standardization of fluorescent detection.
- Detection filters optimized for use with BD patented BD Horizon™ & BD Horizon Brilliant™ dyes.

Patent #
The BD LSRFortessa™ Cell Analyzer is covered by one or more of the following US Patents and foreign equivalents: 6,809,804; 7,129,505; 6,683,314; 8,865,470

To our knowledge, no other vendor or manufacturer can offer a solution that can meet all the specifications as that of **BD LSRFortessa™ Cell Analyzer *system.***

Becton Dickinson India Pvt. Ltd is 100% subsidiary of Becton Dickinson & Co., USA

For Becton Dickinson and Company

BECTON DICKINSON HOLDINGS PTE. LTD.

Darren Ellemor
Platform Leader, Research Solutions, BD Biosciences Asia Pacific

Becton Dickinson Holdings Pte. Ltd.