राष्ट्रीय पादप जीनोम अनुसंधान संस्थान

(जैव प्रौद्योगिकी विभाग, विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार का स्वायत्त अनुसंधान संस्थान)

NATIONAL INSTITUTE OF PLANT GENOME RESEARCH

(An Autonomous Institution of the Department of Biotechnology, Ministry of Science and Technology, Government of India)

अरुणा आसफ अली मार्ग, पो. बाक्स न. 10531, नई दिल्ली–110067

Aruna Asaf Ali Marg, Post Box Number 10531, New Delhi-110067

8/2014/NIPGR/S&P

August 06, 2013

Sub: Invitation of sealed Quotation

Sir,

We are interested to purchase 01 no. of **Cell Imaging System** for the laboratory of our Institute as per the following specifications:

1. System must be a single compact integrated unit, including imaging system with high power fluorescence lighting system, digital monochrome camera, with computer control and LCD display.
2. System must include at least three independent high output LED illuminators with integrated hard coated fluorescence band pass excitation and emission filters for each cube (preferably filters for DAPI, GFP, and YFP).
3. Fluorescence LED light cube should be a single interchangeable cube and should be easily removable and installable.
4. Fluorescence LED illuminators should have a lifetime of atleast 50,000 hours at 100% power.
5. System must automatically recognize the installed cube and adjust the software configuration accordingly.
6. LED illuminators should have independent intensity control.
7. System should be able to simultaneously accommodate atleast four fluorescent LED light cubes.
8. System should include an integrated high-sensitivity monochrome interline CCD camera with minimum of 1.4 million 6.45um pixels or better.
9. System should be able to accommodate a minimum of 5 objectives at once and include atleast four (4x, 10x, 20x and 40x) phase contrast fluorite objectives.
10. System should include a rack and pinion focus mechanism and "glide" stage with SBS microplate opening and accessory vessel holders (atleast one for two standard 25 mm X 75 mm microscope slides, chamber slides etc and second universal stage insert).
11. The system including all computer and monitor components should have a small footprint, and power consumption should be less than 20Watts/hr with all illumination sources turned on.
12. System should provide a 1-click RGB channel overlay, sequential acquisition of a phase contrast image and a fluorescence image with a single mouse click, and subsequent automatic overlay.
13. System should include time lapse imaging capability with automatic movie creation, manual cell counting capability.
14. System should be compatible for multiple user accounts, provide free downloadable software updates, at least one DVI output port and three USB output ports, support direct output to USB and networked storage and provide the following output file formats: jpg, bmp, tif, and png.
15. Other optional system accessories available for the system should also be quoted.
16. Proper training to the users is to be provided as and when required.

You are therefore requested to please send your offer indicating the maximum discount offered, along with a copy of Catalogue/Dealership certificate. The quotations must accompany a Demand Draft amounting to Rs. 16400/- (Rupees Sixteen Thousand Four Hundred only), being the EMD in the name of Director, NIPGR, New Delhi and must be send in a **Sealed Envelope** duly super-scribed on top of envelope as "**Quotation for Cell Imaging System"** so as to reach to the undersigned latest by **27/08/2013 (3.00 PM),** the same shall be opened on the same day at **3.30 PM**.

Thanking you,

भवदीय,

क्रय एवं भंडार अधिकारी

दूरभाष (का.) / Tel. (O): 91-11-26741612, 26741614, 26741617; फैक्स / Fax : 91-11-26741658