



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 नं. 10531, नई दिल्ली-110067

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

No. 8/2014-15/NIPGR/S&P/WS&SC

June 16, 2014

Sub: Invitation of sealed quotation.

Sir,

We are interested in purchase and installation of **01 No. each of Winseedle image analysis system and Seed Counter** for our Institute as per specifications given below:

Specifications for Seed image analysis system

Requires one quantity of image analysis system integrated with latest image analysis software and high configuration computer for seed morphology analysis and to digitize plant seeds for their length, width, area and volume.

The system should have optical scanner with a special lighting system instead of a video camera, produce high resolution images, colour measurement for seed length, width, area and volume quantification, automatic filtering of defects and debris, interactive image edition and measurements for visibility in the images, special lighting system to avoid shadows during image acquisition. The system should have option for data saving in ASCII format for easy transfer to data analysis or data visualization software, batch scanning and analysis, displaying histogram of needle/seed length, width or area on screen during measurement and perimeter of needle/seed count and analysis of individual and average straight length, curved length, maximum width, curvature, volume and surface area of seeds. The system must be equipped with advanced version of software's for seed image analysis, larger scanner area with special lighting and positioning system to avoid shadows and latest high configuration computer (1 TB HDD, 4 GB RAM, original Windows and Antivirus).

Specifications for Seed Counter

Requires one quantity of Seed Counter with complete automatic digitalized unit and adjustable electrical vibration and speed for sample/batch making of plant seeds. The system must have facility for creating batching, multiple batches and repeats of seed samples. The instrument should have digital display with seven segment FND and can count number of seeds in one batch up to 9999. It should count more than 25 types of seeds with seed size 0.5 mm to 15 mm. The system should have option for continual duplication of a single batch count and can count number of batches with different seed counts.

You are therefore requested to please quote your lowest rates along with Catalogues / Copy of dealership Certificate etc. The quotation must accompany a Demand draft of ₹ 17,000.00 (Rupees Seventeen thousand only) in the name of Director, NIPGR, New Delhi and must be sent in a **sealed envelope** duly super-scribed on top of envelope as **"Quotation for Winseedle image analysis system and Seed Counter"** so as to reach to the undersigned latest by **07/07/2014 (3.00 PM)**, the same shall be opened on same date at **3.30 P.M.**

Thanking you,

Purchase cum Stores Officer