

*Procurement Management*



**CIP**  
CENTRO  
INTERNACIONAL  
DE LA PAPA



WWW.  
CIPOTATO.ORG

**REQUEST FOR PROPOSAL**

CIP Uganda Office - DigiEye System - Purchase for Kampala

**I. INTRODUCTION**

The International Potato Center, known by its Spanish acronym CIP, was founded in 1971 as a root and tuber research-for-development institution delivering sustainable solutions to the pressing world problems of hunger, poverty, and the degradation of natural resources. CIP is truly a global center, with headquarters in Lima, Peru and offices in 20 developing countries across Asia, Africa, and Latin America. Working closely with our partners, CIP seeks to achieve food security, increased well-being, and gender equity for poor people in the developing world. CIP furthers its mission through rigorous research, innovation in science and technology, and capacity strengthening regarding root and tuber farming and food systems.

CIP is part of the CGIAR Consortium, a global partnership that unites organizations engaged in research for a food secure future. CGIAR research is dedicated to reducing rural poverty, increasing food security, improving human health and nutrition, and ensuring more sustainable management of natural resources. Donors include individual countries, major foundations, and international entities.

**II. PURPOSE**

The purpose of this Request for Proposal (RFP) is to receive proposals from firms who believe that they have the qualifications to provide the following equipment: DigiEye System for CIP - Uganda, on DAP (Delivery at Place), Incoterm 2020, Uganda office. CIP is committed to including diverse firms (and those who value diversity and inclusion) in its sourcing and procurement activities.

**III. REQUIREMENTS**

Proposals must address each item listed, giving specific details of techniques to be used in achieving these requirements. Proposals may be rejected if minimum requirements are not met. All proposers wishing clarification of this RFP must submit questions by email to CIP no later than June 18, 10:00 UTC. to the attention of Ximena Ganoza, Logistics Senior Manager email address: [x.ganoza@cgiar.org](mailto:x.ganoza@cgiar.org) cc: [CIP-LogisticsImport@cgiar.org](mailto:CIP-LogisticsImport@cgiar.org)

Costs for developing proposals are entirely the responsibility of the proposer and shall not be reimbursed by CIP.

1. **Notice of Intent to Bid and Bidder Identification, Attachment 1:** Must be received by Monday 15 June 2020. The notice shall be emailed to Ximena Ganoza, CC CIP-LogisticsImport@cgiar.org
2. **Table of Contents:** Every RFP submitted must contain the following information:
  - a. **Services and Activities:** Provide description of the nature of the organization's services and activities. Note when the business was established, brief history and location. List the location(s) of the office(s) from which the primary work on this contract would be performed, CIP Uganda.
  - b. **Filled Out the Bidder Identification Form (Attached).**

- c. **No Conflict of Interest:** Client relationships that could potentially be considered a conflict of interest must be listed.
- d. **Detailed proposal requirements:** Attachment 2:

**IV. TIMETABLE**

- |                                      |                                   |
|--------------------------------------|-----------------------------------|
| 1. Invitation to bidding companies   | June 11, 2020                     |
| 2. Questions from bidders            | June 18, 2020 by 10:00 a.m. (UTC) |
| 3. Answers from CIP                  | June 22, 2020                     |
| 4. Submission of Proposals           | June 24,2020                      |
| 5. Evaluation of proposals           | June 25, 2020                     |
| 6. Identification of selected vendor | July 09, 2020                     |
| 7. Communication to bidders          | July 10, 2020                     |

Bidders shall submit their complete Proforma including technical specifications by email to Ximena Ganoza (x.ganoza@cgjar.org) and cc: [CIP-LogisticsImport@cgjar.org](mailto:CIP-LogisticsImport@cgjar.org) no later than June 24, 2020.

**V. LOCATION OF IMPLEMENTATION**

International Potato Center (CIP)  
Plot 47, Ntinda II Road  
P.O Box 22274, Kampala, Uganda

**VI. EVALUATION PROCESS**

**Evaluation Matrix**

	<i>Relevance %</i>	<i>Score (1-5)</i>	<i>Total (Relevance x score)</i>
Years in the Market	10		
Guarantee	20		
Delivery time	20		
Cost	25		
After Sales Service - Local Support	25		
Total	100		

**VII. CIP RIGHTS**

CIP maintains the right to accept or reject in whole or in part, proposals and cancel the process as long as CIP has not signed the relevant contract.

ATTACHMENT 1 –

**NOTICE OF INTENT TO BID**

Place,     Date

Messrs.  
International Potato Center  
Uganda

Ref. Invitation - DigiEye System Quotation

Our company .....duly represented by its Legal Representative..... with legal powers registered at . ..... (copy attached), requests to participate in the selection process of a DigiEye System quotation for International Potato Center.

Along with the BIDDER IDENTIFICATION we are attaching the requires documentation and accept the conditions of the invitation.

Sincerely

NAME AND SIGNATURE OF THE LEGAL REPRESENTATIVE

## BIDDER IDENTIFICATION

<b>BIDDER IDENTIFICATION</b>	
<b>Company name</b>	
<b>Years in the market</b>	
<b>Main customers.</b> Please attach letters of recommendation	
<b>Tax ID</b>	
<b>Address</b>	
<b>Contact information</b>	
<b>Name</b>	Position:
<b>Phones</b>	E-mail:
<b>Sales Volume</b>	
<b>2017</b>	
<b>2018</b>	
<b>2019</b>	
<b>Name and signature Legal Representative</b>	

## ATTACHMENT 2 –

**PROPOSAL REQUIREMENTS**

**Proposals must cover the following basic requirements, with detailed description of technical specifications and price:**

INSTRUMENT TYPE:

DigiEye Enclosed Illumination Cube - Standard CIE: Calibrated lighting environment, with a high resolution, characterized digital camera. (including Nikon D7000 SLR).

SYSTEM SPECIFICATION:

Imaging Geometry	Angled and Diffused
Wavelength Range	Normal - 0% to 100%. Fluorescent - Greater than 100% (with Database)
Light Source	CIE D65 with LED Array (SpectraTUNE Calibration Technology).
	Options include CWF, U35, TL84 (840). UV Only Option (Adjustable from 0% to 100%)
Calibration	240 Colour Patch DigiTizer Chart
Supported Cameras	Nikon Models D100, D70, D80, D90 and D7000
Optimum Measuring Area	Enclosed Illumination Cube: A4 Size (210 x 297). Depth of focus up to 200mm Large Area Imaging (LAI) System: 1300cm x 1300cm
Camera RGB Stability	Repeatability of White Measurement= Better than 0.9% (RGB Units).
Illuminant Stability (D65)	< 1.0% over 8-hour test
Illuminant Chromaticity	x y coordinates tolerance= $\pm 0.01$ Typical values 0.001 - 0.005
Interior Paint Colour	Munsell N5
Switch Control Panel Language	English
Colour Display Calibrator	X-Rite ChromaSensor 5. USB Connected LCD Screen Colour Calibrator.
	Accuracy: $\pm 0.006xy$ , $\pm 5\%$ Y 0.05 -1000 cd/m <sup>2</sup> . Repeatability: $\pm 0.002xy$ , $\pm 2\%$ Y 0.05 -1000 cd/m <sup>2</sup> . Dynamic Range: 0.01-1000cd/m <sup>2</sup> . Dynamic Range: 0.025 -1000 cd/m <sup>2</sup> (CRT Mode) (Standard Mode).
Input Interface	Spectrophotometer & Imaging Camera.
Supported Operating Systems	Windows XP, Windows 7 (32 and 64 bit)
Database Storage	Microsoft SQL Server 2008. Unlimited samples.
Software Languages	English, Simplified & Traditional Chinese

### HARDWARE - DigiEye Full System:

- Enclosed Illumination Cube (with or without additional UV)
- Nikon D90 Camera Body, Power Supply & USB Lead
- Nikon D7000 Camera Body, Power Supply & USB Lead
- Lens: AF Nikkor 35mm f/2D & Lens Hood
- Zoom Lens: AF-S Nikkor 24-85mm f/3.5-4.5G
- Camera Mounting Stand & Quick Release Bracket
- DigiTizer Colour Calibration Chart
- DigiTizer Colour Calibration Chart for Whiteness Measurement
- White Uniformity Board
- Sample Template Board & Imaging Insert
- Custom Imaging Templates
- 45° to 10° Large Mirrors
- Monitor: Eizo CG246W
- ChromaSensor 5 Monitor Calibrator
- Printer: Epson Stylus Photo R2880 (or equivalent)

### SOFTWARE TYPE:

DigiEye Full system, including both the DigiPix and DigiGrade software options.

### SOFTWARE SPECIFICATION:

Colour Space	CIELAB LCH, Hunter Lab, XYZ, CIECAM02
Observer	2° and 10°
Colour Difference Equations	CIE L*a*b*, CMC, CIE94, DE2000
Colour Input	Camera Measurement, Spectrophotometer Measurement, Manual input of XYZ, LAB and Spectral Data (Reflectance)
Colour Specification	CIELAB Space, CIELUV Space, HunterLab Space, Munsell Space, Reflectance/Transmission Curves, Chromaticity, K/S, XYZ Values and Optical Density, CIE LCH
Indices and Metrics	Opacity, ISO A11 Staining & Change of Shade, Reflectance, Pass/Fail, Brightness, Whiteness, CIE Tint, Yellowness
Colour Difference Indices	Pass/Fail, Colour Difference, Residual Colour Difference, Colour Strength, Tolerance
Data Output Options	Print & Export to CSV, QTX, TEXT (*.txt) & DAT (*.dat).
Reflectance Generation	Normal (as Standard option) and Custom
Display Illuminants	D65, A, F11, D50, F02, F07 (Simulated)

### SOFTWARE - DigiEye Full System:

- Camera Calibration

- Monitor Calibration
- Image Capture
- Colour Database
- Shade Search
- Spectrophotometer Connection
- Import/Export QTX
- Colour Measurement (LABCH, XYZ, Whiteness)
- Colour QC
- Selection Filter
- Automated Measurement Workflow
- Colour Sorting /Clustering
- Colour Replacement & Simulation
- Texture & QC Matrix
- Gamut Checking
- Fastness Grading for Change of Shade & Staining
- On/Off Tone Determination
- Autograding of multiple fastness tests
- Stain Removal Analysis
- Crocking Analysis
- Light Fastness Assessment with user defined test methods
- Multiple Sample Analysis, with colour measurement, QC & statistical analysis

#### APPLICATIONS CHARACTERISTICS:

The device must be dedicated to agro-food products (Roots, tubers: potatoes, cassavas, sweet potatoes) on raw materials, semi -processed and processed. Verify qualitative attributes by measuring color, texture across of all the genotypes. The use will be 8 hours per day, 365/365.

#### POWER REQUIREMENT

- 220-240Volts
- 50Hz
- Fuse 6 amps

#### EXTRA

- Computers or accessories needed for the correct performance of the equipment must be included in the proforma.
- The quotation must include installation and training in Uganda. Please mentioned if you have a branch in Africa.
- The equipment should be delivered along with a User's Manual and Parts Manual.
- The supplier must provide the technical specifications required for installation duly detailed in the proforma.