



WWW.  
CIPOTATO.ORG  
Street Address:  
Av. La Molina 1895, La Molina, Lima, Perú

## **REQUEST FOR PROPOSAL**

### **Genie III LAMP Isothermal Amplification Instrument in West Bengal**

#### **I. Introduction**

The International Potato Center (CIP) was founded in 1971 as a research institution for the development of roots and tubers, providing sustainable solutions to the pressing global issues of hunger, poverty, and natural resource degradation. CIP is 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 aims to achieve food security, greater well-being, and gender equity for the poor in the developing world. CIP promotes its mission through rigorous research, innovation in science and technology, and capacity strengthening in root and tuber cultivation and food systems.

CIP is part of the CGIAR Consortium, a global partnership uniting organization dedicated to 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 countries, foundations, and international entities.


The center is an autonomous entity, with an international board of trustees, established as an international organization in 1971 in Lima. CIP has the status and privileges and immunities of an international organization under its host country agreement with the Government of Peru as well as with various other countries in which it conducts research.





In India CIP is established as a Branch Office under regulation with the Reserve Bank of India to carry out research programs to increase the production and productivity of potato and sweet-potato at the national level in cooperation with the Indian Council for Agricultural Research (ICAR), and its associated research institutes working on potato (CPRI) and sweet-potato (CTCRI). Collaborate with universities and international research organizations to advance agricultural innovations in India and the region.



CIP is promoting Apical Rooted Cutting Technology to promote local seed potato production in West Bengal being supported by Department of Agriculture, West Bengal. Tissue Culture is one of the important components of ARC technology. As a part of the project, disease diagnostic laboratory needs to be established in Mohith Nagar, North Bengal.

Genie III LAMP Isothermal Amplification Instrument needs to be procured for the lab. As per our knowledge this instrument needs to be imported from UK and only one authorized dealer available in India and his address is as follows.

## II. Object of the contest

Sl No	Instruments	Quantity	Specifications
1	<p>Genie III : Real Time Isothermal amplification instrument (OptiGene)</p> 	1	<ul style="list-style-type: none"> <li>• Incorporates a rechargeable Lithium-Polymer battery that can support operation for a complete day.</li> <li>• Two-colour fluorescence excitation and detection system. It also boasts wireless communications in the form of Bluetooth and WiFi that can be used for data communications and to support wireless peripherals such as a printer or barcode wand.</li> <li>• Satellite positioning via an integrated GPS receiver.</li> </ul> <p>• <b>Detection method:</b> Dual-channel Fluorescence 470 nm excitation, 510-560 nm emission 590 nm excitation, &gt; 620 nm emission</p> <p>• <b>Temperature control method:</b> Block with 4-zone independent digital PID and heated lid.</p> <p>• <b>Temperature control range and Accuracy:</b> Ambient—100°C, ±0.1°C</p> <p>• <b>Sample number:</b> Single strip of 8 tubes</p> <p>• <b>Sample volume:</b> 10—150 µl</p> <p>• <b>Size:</b> 250 (L) x 165 (W) x 85 (H) mm (10" x 6.5" x 3.5")</p> <p>• <b>Weight:</b> 1.75 kg [4 lb]</p> <p>• <b>Operating temperature:</b> 0°C—40°C</p> <p>• <b>Storage temperature:</b> 20°C—70°C</p> <p>• <b>Environmental protection:</b> IP40</p> <p><b>Electrical</b></p> <ul style="list-style-type: none"> <li>• Battery type: Lithium Polymer</li> <li>• Battery capacity: 40 Wh</li> <li>• Battery charge time: &lt; 1.5 hrs</li> <li>• External supply: 19 VDC</li> </ul>

			<p><b>Interfaces</b></p> <ul style="list-style-type: none"> <li>• Display / keyboard: Colour LCD 480 x 272 with resistive touchscreen</li> <li>• Positioning: GPS</li> <li>• Wireless data (1): Bluetooth 2.0</li> <li>• Wireless data (2): Wi-Fi</li> <li>• Wired data: USB 2.0</li> </ul>
2	<p>Fast isothermal Master mix: GspSSD Isothermal Mastermix (OptiGene Code: ISO-DR001)</p> 	2	<ul style="list-style-type: none"> <li>• Renowned for its superior speed, this mastermix is ideal for swift isothermal amplification of DNA, with the added capability of native reverse-transcriptase activity facilitating single-enzyme RT-LAMP.</li> <li>• Lyophilised - 300 reactions</li> </ul>
3	<p>GspSSD2.0 Isothermal Mastermix The Isothermal Solution (OptiGene Code: ISO-004)</p> 	2	<ul style="list-style-type: none"> <li>• This mastermix enables rapid isothermal amplification of DNA and RNA, featuring native reverse-transcriptase activity for efficient single enzyme RT-LAMP.</li> <li>• Lyophilised - 300 reactions</li> </ul>
4	<p>Genie strips: (OptiGene Code: OP-0008-500)</p> 	1	<ul style="list-style-type: none"> <li>• Consisting of 500 strips</li> <li>• Each strip has 8-tubes with a working volume of 20 — 150 µl</li> </ul>
5	<p>Genie strip holder (OptiGene Code: GBLOCK-03)</p> 	1	<ul style="list-style-type: none"> <li>• The Genie® strip holder allows you to set up your reactions quickly and easily. The aluminium holder can also act as a cool block.</li> <li>• Cooling block for setting up reactions Block A + B</li> </ul>

6	Genie® Centrifuge (OptiGene Code: OP-FUGE) 	1	<ul style="list-style-type: none"> <li>The Mini-6KO can be used for a wide range of molecular biology separations and quick spins.</li> </ul>
7	Genie III Carry case (OptiGene Code: OP-CASE3) 	1	<ul style="list-style-type: none"> <li>Robust Carry Case for Genie® III</li> </ul>
<b>2.- Deliverables and dates for delivery (place):</b>			
	4 weeks from the order placement, Siliguri, West Bengal		
	<b>Contract Coordinator: Ravindranath Reddy</b>		
	<b>Project: Developing Local Seed Potato Production system in West Bengal (1568- WBS0)</b>		

### III. Timetable

1. Invitation to applicant companies	September 11, 2024
2. Confirm your desire to participate	September 13, 2024
3. Inspection visits (if required)	N/A
4. Submission of Applicant Inquiries	September 17, 2024
5. Response to inquiries	September 18, 2024
6. Proposal submission	September 20, 2024
7. Opening and evaluation of proposals	September 24, 2024
8. Winner identification and communication to bidders	September 30, 2024
9. Contract signing	October 07, 2024
10. Contract commencement	October 08, 2024

(\* Please direct your inquiries via email to Mr Barun Raj (barun.raj@cgiar.org) copying Mr Arun Gugnani (a.gugnani@cgiar.org).

#### IV. Proposals

Proposals must address each of the elements listed in the Terms of Reference. Proposals may be rejected if they do not meet the requirements detailed in the call for proposals. All companies interested in participating and seeking clarification of this document must send their questions via email to CIP no later than September 17, 2024, attention to [barun.raj@cgiar.org](mailto:barun.raj@cgiar.org) copying [a.gugnani@cgiar.org](mailto:a.gugnani@cgiar.org).

They must submit their complete quotation, including technical specifications, by email to [barun.raj@cgiar.org](mailto:barun.raj@cgiar.org) copying [a.gugnani@cgiar.org](mailto:a.gugnani@cgiar.org) no later than September 20, 2024.

The costs of preparing proposals are the sole responsibility of the applicant and will not be reimbursed by CIP.

#### V. Installation/delivery Location

International Potato Center (CIP), West Bengal as indicated above

#### VI. Process Evaluation

Evaluation Matrix

	<i>Relevance %</i>	<i>Points(1-5)</i>	<i>Total</i>
Years of experience and client portfolio	20		
Similar works and implementations	25		
Cost	35		
Delivery time	20		
Total	100		

(\*) Only the offers that meet all the requirements included in this tender will be considered.

#### VII. CIP Rights

CIP reserves the right to accept or reject proposals in whole or in part and to cancel the process at any time if CIP has not signed the corresponding contract.

## VIII. Letter of presentation

Sirs

International Potato Center (CIP)  
NASC complex, DPS Marg  
Pusa campus, New Delhi - 110012

Ref. TITLE

Dear Sir/Madam,

With this letter, our company [company name], represented by Mr. [name of the legal representative], requests to participate in the Selection Process for the provision of xxxxxxxxxxxxxx at the main headquarters in La Molina, Lima", as communicated to us.

We certify that we have become aware of the conditions required for participants and we commit to abide by them in their entirety.

We are enclosing the documentation demonstrating that our company meets the requirements for participation in this process.

Yours faithfully,

**IX. Identification**

BIDDER IDENTIFICATION	
Name of the company	
Years in the market	
Principal clients (attach letter recommendation)	
RUC/TAX ID	
Address	
Contac person	
Position	
E-mail	
Phone number/ cell phone number	
Total Sales	
2,021	
2,022	
2,023	
Name and sign of the legal representative	