



**COCONUT INDUSTRY INVESTMENT FUND - Legaspi Oil Company, Inc.  
Bids and Awards Committee**

Bid Bulletin No.: 1

07 December 2024

Project Name : **Procurement of Near Infrared Reflectance (NIR) for Legaspi Oil Company, Inc.**

Project Number : **LEG-2024-008 (PhilGEPS# 11524250-01)**

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This Supplemental/Bid Bulletin is issued to all prospective bidders to clarify, modify and/or amend pertinent items in the Philippine Bidding Documents as discussed and agreed during Pre-bid conference held on December 2, 2024 for the above-mentioned project of Coconut Industry Investment Fund – Legaspi Oil Company, Inc. (LEGOIL).

The following clarifications and/or amendments are provided for the guidance and reference of all prospective bidders:

**I. CLARIFICATIONS**

<b>QUERY</b>	<b>CLARIFICATION/RESOLUTION</b>
1. What are the specific parameters and sample requirements to be assessed during the inspections and tests of the NIR?	1. The NIR will be utilized for the analysis of Free Fatty Acids (FFA), Residual Oil, Oil Content, and Moisture Content in Copra Cake, Copra, Ground Copra, and Crude Coconut Oil.
2. Is the prospective bidder permitted to offer any brand for this requirement?	2. Yes. The prospective bidders may offer any other brand as long as it is in conformance with the required technical specifications.
3. What is Material Specification Certificate?	3. The Material Specification Certificate is a document that outlines all the technical specifications of the unit.
4. What does the Manufacturer's Certificate refer to?	4. The Manufacturer's Certificate pertains to the NIR Unit



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<p>5. What is the Certificate of Distributorship?</p>	<p>5. The Certificate of Distributorship is a document certifying that the prospective bidder is an authorized distributor, supplier, or reseller of the brand(s) of the NIR unit(s).</p>
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**II. AMENDMENT/S**

ORIGINAL	AMENDMENT
<p><b>SECTION VII - TECHNICAL SPECIFICATIONS</b></p> <p><b><u>Near Infrared Reflectance</u></b></p>	<p><b>SECTION VII - TECHNICAL SPECIFICATIONS</b></p> <p><b><u>Near Infrared Reflectance for copra cake, copra, ground copra and CNO samples</u></b></p>
<p><b><u>Specifications:</u></b></p> <p>Technical data Base Unit*</p> <p>Dimensions (W x D x H) 350 x 250 x 450 mm</p> <p>Spectral range 800 - 2500 nm 12 500 - 4000 cm<sup>-1</sup> (if not specified differently for measuring cell)</p> <p>Resolution 8 cm<sup>-1</sup> (with boxcar apodization)</p> <p>Type of interferometer Polarization interferometer with TeO<sub>2</sub> wedges</p> <p>Wavenumber accuracy ± 0.2 cm<sup>-1</sup> (measured with HF gas cell at an ambient temperature of 25 °C ± 5 °C)</p> <p>Signal-to-noise ratio 10000 (peak-to-peak noise of a linear corrected baseline)</p> <p>Number of scans/sec. = 2 - 4 (depends on resolution)</p> <p>Can generate reading in a minute based on these multiple scans</p>	<p>Parameters: FFA, Residual Oil, Oil Content, Moisture Content</p> <p><b><u>Specifications:</u></b></p> <p>Wavelength Range : 700nm - 2500nm</p> <p>Resolution : 1nm - 20nm</p> <p>Wavelength Accuracy : +/-1nm - +/-5nm</p> <p>Signal to Noise Ratio: 100:1 - 1000:1 or higher</p> <p>Data Acquisition : Within second/s</p> <p>Type of Lamp : Tungsten Halogen Lamp</p> <p>Voltage Supply : 110 - 120V AC or 220 - 240 V AC</p> <p>AVR : 10KVA</p> <p>Connectivity : USB or Ethernet Connections</p> <p>InGaAs : 900nm - 1700nm or lead sulfide detector :800-2500nm</p> <p>Operating Temperature : 15°C - 30°C</p> <p>Spectral Resolution : 0.5nm - 20nm, depending on type and configuration</p> <p>Software : Comes with dedicated software for data analysis</p> <p>User Interface : Touchscreen, dashboard real-time data display, data processing tools and reporting capabilities</p> <p>Calibration : Typically supports multiple Comes with dedicated software for data analysis</p>



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<p>Type of lamp/lifetime lamp (MTBF) Tungsten halogen lamp / 12000 h (2 x 6000 h)</p> <p>Type of laser 12 VDC HeNe, wavelength at 632.992 nm</p> <p>Analog digital converter 24 bit</p> <p>Electric power supply 100 - 230 VAC ± 10 %, 50/60 Hz, 350 W</p> <p>Ethernet connection 100 Mbit/s</p> <p>*For a functional system a measurement cell is required</p> <p>Measurement cells NIRFlex Solids Detector Extended range InGaAs (temperature controlled) Operating temperature 5 - 35°C</p> <p>With installation, commissioning and onsite training</p> <p align="center"><b><u>Additional Documentary Requirements</u></b></p> <ol style="list-style-type: none"> <li>1. Material Specification Certificate / Product Technical Sheet;</li> <li>2. Manufacturer's Certificate;</li> <li>3. Certificate of Distributorship (if applicable); and</li> <li>4. Manual / Catalogue</li> </ol> <p align="center">(Ref. Page 35-36)</p>	<p>Application : calibration : Parameters like moisture content, oil content, residual oil, free fatty acids, peroxide value, etc.</p> <p>Measurement Cell : Depending on the type of samples</p> <p>Sample Presentation : Solid, liquid, powdered, include accessories in different form</p> <p>With Pre-Calibration from the Manufacturer With Calibration Software With 3<sup>rd</sup> Party Validation With installation, commissioning and onsite training</p> <p align="center"><b><u>Additional Documentary Requirements</u></b></p> <ol style="list-style-type: none"> <li>1. Material Specification Certificate / Product Technical Sheet;</li> <li>2. Manufacturer's Certificate;</li> <li>3. Certificate of Distributorship (if applicable); and</li> <li>4. Manual / Catalogue</li> <li><b><u>5. Company profile which shall include information on the number of years in the business and the list of its officers. Names, addresses and location sketches of main office and branch office/s if any, and warehouse and service facilities with their respective telephone numbers including photo showing the company's business name;</u></b></li> </ol> <p align="center">(Ref. Page 35-36)</p>
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All other portions of the Bidding Documents affected by these amendments shall be made to conform to the same.



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Amendments/inclusions/clarifications made herein shall be made integral part of the Bidding Documents.

For information and guidance of all concerned.

Originally Signed

**GERARDO GENARO F. ERESE**

*Vice Chairperson - Bids and Awards Committee I*