



Philippine Rice Research Institute
Central Experiment Station
Maligaya, Science City of Muñoz, 3119 Nueva Ecija

06 December 2024

Bid Bulletin No. 1

Subject: ONE (1) LOT SUPPLY AND DELIVERY OF XRF MACHINE PB 24-04-50

This bid bulletin is being issued to clarify and amend Section VI. Schedule of Requirements and Section VII. Technical Specifications in the bidding document.

Section VI and VII. (Please refer to the attached documents for complete details).

Section VII (Revised Technical Specifications) must be included in the bid proposal as part of the Eligibility and Technical Component (1st envelope) to signify conformity to the revisions.

Please be guided accordingly.

-signed-

LUIS ALEJANDRE I. TAMANI

Chairperson, BAC for Goods and Services

Better Rice Communities.

Email: prri.mail@mail.philrice.gov.ph **Text Center:** (+63) 917-111-7423

Websites: www.philrice.gov.ph, www.pinoyrice.com

Social Media: [web.facebook.com/DAPhilRice](https://www.facebook.com/DAPhilRice)

Liaison Office: 3rd Floor, ATI building, Elliptical Road, Diliman, Quezon City

Mobile No.: (+63)928-915-9628



SECTION VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item no.	Description	Unit	Qty	Total ABC	Division	Delivery Period
1	X-ray Fluorescence Machine (XRF)	unit	1	2,975,000.00	CBC	60 calendar days upon receipt of PO/NTP

SECTION VII. Technical Specifications

Item	Specification	Statement of Compliance
1	<p>One (1) Lot Supply and Delivery of X-Ray Fluorescence Machine (XRF)</p> <p>(Portable)</p> <p>Specifications:</p> <ul style="list-style-type: none"> • at least 4W Rhodium window X-Ray tube, wide range X-Ray Generator 6-50 kV, with 200μA maximum current • Graphene window silicon drift detector (SDD), at least 20 mm² detector area, typical resolution < 145 eV at 450,000 cps • Detector shield to protect against puncture • Detection of elements from magnesium (Mg) to uranium (U). • At least five (5) automatic position primary beam filter changer • Light weight, at most 7.5 kg (15.6 lbs.) • Safety interlocked and completely sealed sample compartment with no leakage radiation • Optimized optical beam path for precise 8mm beam spot • Industrial grade stainless steel construction/body • Easy access front embedded display, at least 9.4 cm (3.7 in), TFT-LCD or OLED, at least 640 × 480 pixels, color, 	<p style="text-align: center;">Statement of Compliance</p> <p><i>[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i></p>

resistive touchscreen or equivalent touchscreen

- Analysis time: less than 3 sec. for standard alloys and less than 16 sec. for alloys containing light elements
- The machine can be operated remotely through a control system utilizing a USB and personal computer.

Inclusions:

- One (1) high-performance replaceable Li-Ion battery with smart charger
- USB drive for data storage and reporting
- Software for data reporting, qualitative spectral analysis, live spectrum functionality, flexible grade table, user field editor and remote instrument control
- Calibration for food materials (cellulose matrix), built using at least 100 reference points
- Calibration for plant root, stem, and leaf materials (cellulose matrix), built using at least 15 reference points
- Software for onsite empirical calibration of XRF spectrometer
- At least twenty-five (25) spare protective windows
- Manuals and safety video
- Hard transport case, with automatic pressure equalization valve, fold-down over-molded handle, stainless steel padlock protectors, quiet rolling stainless-steel bearing wheels, waterproof, crushproof, dustproof, at least IP67
- Sample Cups
 - At least 8mm inner diameter
 - At most 40mm outer diameter double open ended, with cap
 - At least 300pcs
- Polypropylene film
 - At most 4 microns thick
 - At least 3 in by 300 ft per roll
 - At least 3 rolls
- 8mm collimator (spot) size (ideal setup for bulk samples)
- Heavy metals in soil, dual phase calibration for environmental compliance and elemental nutrients in soil. Includes powdered check sample with certified values for P, K, Fe, Zn
- Application Package for Nutrients and Fortificants in Foodstuff. Includes powdered check sample
- Dual phase calibration for nutrients and heavy metals in dried plant materials.

	<p>Includes powdered plant material check sample</p> <ul style="list-style-type: none">• Application for solid fertilizer materials. Dual phase calibration for common light and heavy element nutrients in fertilizers, excluding nitrogen. Includes powdered check sample• Unit is capable of creating a custom empirical calibration using end-user-provided reference materials• CRM standard for both brown rice and white rice with known Zn, Mn, Cu, Fe, Mo, Cd and As <p>Warranty:</p> <ul style="list-style-type: none">• Atleast three (3) year warranty <p>Evidences required:</p> <ol style="list-style-type: none">1. Certificate as authorized distributor or exclusive dealer of the brand for at least five (5) years coming from the principal.2. Certificate of training of service engineers/technicians authorized to conduct after sales service issued by the principal supplier for the particular model and brand being offered.3. Certificate and proof of existence of the product in the international or local market.4. The supplier shall declare, that requirements concerning longer-life of the products are met by providing warranty certificates, and guarantees on the availability of replacement parts for at least five (5) years after end of production and sale.5. Proof of good product quality, reliability of performance, and without prior issue of malfunction or failure of major parts within the standard warranty period.	
--	--	--

	<p>Important Notice:</p> <p>The supplier must provide evidence that the specifications are met through submission of brochure and complete technical specifications (SEPARATE DOCUMENT, use your company letterhead) indicating ALL the technical specifications of the product being offered, but not limited to Brand, Model, Place of Origin, Features, Inclusions & Warranty.</p> <p>NON-SUBMISSION of the complete technical specifications can lead to improper evaluation of your offer and rejection of bids. The bidder shall not be allowed to submit additional documents to correct any defects in the bid submitted.</p>
	<p>*****nothing follows*****</p>

I hereby verify to comply with all the above requirements.

Signature over the printed name of the authorized representative

Company name _____

Date