



**TECHNICAL SPECIFICATIONS FOR THE NEGOTIATED PROCUREMENT OF TECHNICAL AND SCIENTIFIC EQUIPMENT- LOT 2 (SUPPLY, DELIVERY, INSTALLATION, AND TRAINING)**

**BACKGROUND AND RATIONALE**

The Philippine Science High School System prepares its students to become globally competitive Filipino scientists equipped with 21<sup>st</sup>-century skills. Likewise, the PSHSS offers a curriculum that emphasizes science and mathematics and prepares its students for careers in Science and Technology. The Philippine Science High School System offers a research-based STEM curriculum to students with high aptitude in Science and Mathematics. In line with this, it requires Technical and Scientific Equipment to prepare and develop the Science Process Skills of the scholars to become a globally competitive Filipino scientists.

**SCOPE OF WORK AND JOB SPECIFICATIONS**

The supplier should be able to provide the listed technical equipment following the specifications, certifications, and unit demonstration if necessary. The supplier must conduct training for the end-users on proper handling, troubleshooting, pre-calibration, preventive maintenance, and others. Certificates must be provided such as calibration certificate, quality control or assurance certificate, and others. The service provider must conduct a pre-installation conference with the resident engineers of the procuring entity. The service provider must be in the business for not less than 5 years. The delivery and installation period will be 60 days.

**APPROVED BUDGET FOR THE CONTRACT**

LOT 2 – 3,000,000.00

**EVALUATION AND SELECTION CRITERIA**

Proposal with the lowest calculated and responsive bid with complete documents shall be accepted.

**PAYMENT SCHEME**

Payment for the procured items shall be made at utmost 30 working days from the day the said items are completely installed to the procuring entity and a certificate of training is issued to the end-users.


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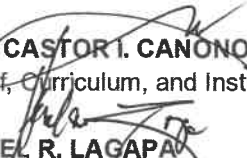



Republic of the Philippines

**DEPARTMENT OF SCIENCE AND TECHNOLOGY**

**PHILIPPINE SCIENCE HIGH SCHOOL – Zamboanga Peninsula Region Campus**

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**ENCLOSURE No. 1**

LOT 2			
Item No.	Quantity	Unit	ITEM DESCRIPTION
1	1	Set	<p><b>CNC Router (Full-size Gantry)</b></p> <p>Accessories include:            Spindles &amp; Routers            Bits and Collets – 1 dozen of different sizes            With Vacuum Systems            With Dust Collectors            With compatible software</p> <p>Machine Specifications:            Move speed (X, Y)      12 in/s      (305 mm/s) or better            Move speed (Z)          90 in/m      (38.1 mm/s) or better            Positioning speed (X, Y) 900 in/m    (381 mm/s) or better            Step resolution          0.20 mm) or better            X- and Y-axis drive system    Helical Rack and pinion            Z-axis drive system          Ballscrew            Input voltage                  220V, 60Hz, 3-phase</p> <p><b>Service and Warranty</b></p> <ul style="list-style-type: none"> <li>- 1-year warranty on parts and services after commissioning and acceptance and 1-year free calibration and preventive maintenance on site.</li> <li>- Complete with necessary installation accessories for immediate operation and start-up</li> <li>- During the warranty period, the supplier must repair or replace any system component on-site at no charge. Labor and travel must be included in the warranty program.</li> <li>- Deliver, uncrate, set into place, make all the final connections and start-up of the instrument</li> <li>- Calibration certificate traceable to international standards.</li> </ul> <p><b>Training</b></p> <ul style="list-style-type: none"> <li>- The training should cover lectures on the theory and principles of the instrument, its applications, software applications, data process, and interpretation, as well as intensive hands-on operation. Basic and advanced troubleshooting and maintenance including the verification of equipment's performance should also be discussed. The training shall be conducted on-site.</li> </ul> <p><b>Documentation</b></p> <ul style="list-style-type: none"> <li>- Technical service personnel must be authorized, trained and certified by the manufacturer to conduct technical services.</li> <li>- Certificate of distributorship</li> <li>- 1 original copy and 1 photocopy of operating and service manuals in English.</li> <li>- Must provide the necessary information and test procedures required to prove that the instrument meets the specified requirements.</li> <li>- Brochure with pictures must be provided during bid opening.</li> </ul>



			<p><b>Testing and Acceptance</b></p> <ul style="list-style-type: none"><li>- Acceptance testing will occur after completion of the training course and after the supplier states the system is installed and ready to perform in compliance with specifications.</li><li>- If the system does not meet standard performance expectations, the Supplier will have one month to rectify the defects and clear the acceptance test, failing which, PSHS-ZRC reserve the right to get the equipment replaced by the Supplier at no extra cost to PSHS-ZRC. Succeeding conduct of the validation/qualification shall also be the responsibility and at the cost of the Supplier.</li></ul>
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