



ASTI-FM 03-11
REV 3/10 JUNE 2025

**DOST-ASTI Bids and Awards Committee
Invitation to Bid (Public Bidding)**

IB No:	25-73-2025	Date:	July 09, 2025		
PR Nos:	GAA-25-03-20787(KMD)	Date:	March 06, 2025		
	GAA-25-03-20843 (STRIIDER)		March 14, 2025		
	GAA-25-04-21023 (RISE)		April 23, 2025		
	GAA-25-05-21352 (KMD)		May 27, 2025		
	PROPEL-25-05-21350 (RDD)		May 27, 2025		
Source of Funds:		GAA and GIA			
Total ABC:		Php1,299,500.00			
Time, Date & Venue of Pre-bid Conference:		July 17, 2025, 9:00 AM via Videoconferencing (MS Teams)			
Time and Date of Submission of Bids:		July 29, 2025, 9:00 AM			
Time, Date & Venue of Opening Bids:		July 29, 9:30 AM via Blended Meeting Arrangement			
Date of availability of Complete Set of Documents:		July 10, 2025			
Deadline of Potential Bidder's Clarifications:		July 19, 2025			
Deadline of ASTI's Supplemental Bid Bulletin:		July 22, 2025			
Delivery Schedule:		Please see delivery details below.			
<p><i>The Department of Science and Technology (DOST) - Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), hereby invites all interested Bidders to submit their bids for the item/s listed below. Section II. Instructions to Bidders (ITB) of the DOST-ASTI Bidding Documents provides information necessary for bidders to prepare responsive bids, in accordance with the requirements of DOST-ASTI. The ITB likewise provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and award of contract.</i></p> <p><i>Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184.</i></p> <p><i>A complete set of DOST-ASTI Bidding Documents may be acquired by interested Bidders on the date and address given on this document, and upon payment of the applicable fee, pursuant to the latest Guidelines issued by the Government Procurement Policy Board. Further, the DOST-ASTI Bidding Documents may be accessed through the DOST-ASTI website (https://asti.dost.gov.ph/).</i></p> <p><i>For further inquiries, you may contact the DOST-ASTI BAC Secretariat at telephone number +63 2 8249-8500 / +63 2 8426-9755 local 1206/1212 or send your message to bac-sec@asti.dost.gov.ph .</i></p> <p>Respectfully,</p> <p>JEFFREY A. ABOROT BAC Chairperson</p>					
NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE (₱)	TOTAL PRICE (₱)
1	RENEWAL OF NEXT-GENERATION FIREWALL SUBSCRIPTION	1	lot	302,500.00	302,500.00
	1. GENERAL OVERVIEW				
	1.1. DOST-ASTI is seeking qualified and				

	<p>competent bidders for the Supply and Delivery of One (1) Lot of Next-Generation Firewall License. The contract's duration shall be twelve (12) months.</p> <p>1.2. The Approved Budget for the Contract (ABC) is inclusive of all applicable government taxes and service charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Renewal of DOST-ASTI's existing Next-Generation Firewall license</p> <p>2.2. Network Protection</p> <p>2.2.1. Intrusion Preventions (IPS)</p> <p>2.2.2. Advanced Threat Protection and Security Heartbeat</p> <p>2.2.3. Allows management of Remote Ethernet Device (RED)</p> <p>2.2.4. Clientless VPN</p> <p>2.3. Web Protection</p> <p>2.3.1. Web Security and Control</p> <p>2.3.2. Application Protection and Control</p> <p>2.3.3. Web and App Traffic Shaping</p> <p>2.3.4. Second independent malware detection engine (Avira) for dual scanning</p> <p>2.4. Zero-Day Protection:</p> <p>2.4.1. Dynamic Sandbox Analysis</p> <p>2.4.2. Threat Intelligence Analysis</p> <p>2.4.3. Machine learning using multiple deep learning models</p> <p>2.5. Central Orchestration</p> <p>2.5.1. SD-WAN Orchestration</p> <p>2.5.2. XDR and MTR Connector</p> <p>2.5.3. CFR Advanced Features</p> <p>2.6. Subscription period is one (1) year</p> <p>2.7. The specifications written herein are of minimum requirements, unless otherwise stated.</p> <p>3. TECHNICAL SUPPORT SERVICE</p> <p>3.1. Access to firmware and feature updates</p> <p>3.2. Access to security updates and patches</p> <p>3.3. Technical support should be available at least eight (8) hours from Monday to Friday and has the following response times:</p> <p>3.3.1. Application is down: Two (2) business hours</p> <p>3.3.2. Serious degradation: Six (6) business hours</p> <p>3.3.3. Moderate impact: One (1) business day</p> <p>3.3.4. Low impact: One (1) - Two (2) business days</p> <p>3.4. End-user must be able to request technical support by phone, email, remote access, or through a website.</p> <p>3.5. The Supplier of the solution must be able to provide a quarterly systems check-up for health monitoring</p>				
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	<p>4. DELIVERY and PAYMENT TERMS</p> <p>4.1. The price of the bid must be inclusive of government taxes and all applicable fees.</p> <p>4.2. Delivery of the license shall be made fifteen (15) days upon issuance of Notice to Proceed (NTP).</p> <p>4.3. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the end-user.</p> <p>[KMD_GAA-25-05-21352]</p>				
2	<p>CLOUD-BASED LARGE LANGUAGE MODEL (LLM) SERVICE SUBSCRIPTION</p>	1	lot	300,000.00	300,000.00
	<p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI invites qualified and competent bidders for one (1) lot of Cloud-based Large Language Model (LLM) service subscription, which will be used as prototyping and development of Large Language Model based application. 1.1.1. The LLM service subscription is essential to the PROPEL Project's research and development activities because it provides access to the latest versions, feature enhancements, and full technical support. The project will rely on Advanced LLM models for RAG workflows, including but not limited to Text-to-SQL synthesis, due to their demonstrated high performance, reliability, and responsive customer support.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATION</p> <p>2.1. Subscription for two (2) accounts of the cloud-based LLM service.</p> <p>2.2. Exclusive access to tokens that will be used for the following capabilities of the LLM service:</p> <p>2.2.1. Text Generation</p> <p>2.2.2. Function Calling</p> <p>2.2.3. Embeddings</p> <p>2.2.4. Fine-tuning</p> <p>2.2.5. Moderation</p> <p>2.3. The supplier should provide a shared, consumable token balance equivalent to USD 3,000 for the two accounts.</p> <p>2.4. The subscription period is twelve (12) months.</p> <p>3. TECHNICAL SUPPORT SERVICES</p> <p>3.1. Technical support must be available for at least eight (8) hours per day, from</p>				

	<p>Monday to Friday.</p> <p>3.2. End-users must be able to request technical support by phone, email, or through a website.</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. The service provider shall activate the subscription within thirty (30) calendar days from the issuance of NTP.</p> <p>4.2. Price must be inclusive of all government taxes and other applicable charges.</p> <p>[RDD_PROPEL-25-05-21350]</p>				
3	<p>SOFTWARE LICENSE SUBSCRIPTION TO SOLID MODELING CAD APPLICATION</p>	1	lot	150,000.00	150,000.00
	<p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the RENEWAL OF ONE (1) LOT OF ASTI'S EXISTING SOLID MODELING CAD APPLICATION LICENSE, particularly SOLIDWORKS. 1.2. The above subscription service renewal is necessary as the project has an existing Solid Modeling CAD Application used to design 3D models of various modules and mechanical parts for the project.</p> <p>1.3. The procurement of SOLIDWORKS is pursuant to Section 18 of the 2016 revised IRR of RA N0. 9184 which provides, "Reference to brand names shall not be allowed except for items and parts that are compatible with the existing fleet or equipment of the same make and brand, and to maintain the performance, functionality and useful life of the equipment."</p> <p>1.4. The ABC includes all applicable government taxes and services charges.</p> <p>1.5. Number of licenses: One (1) license</p> <p>1.6. Duration: 12 months.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Immediate and exclusive access to all new SOLIDWORKS releases and upgrades, live technical support, products, extensive online resources, and enhancement request privileges</p> <p>2.1.1. Automatically receive the latest versions of SOLIDWORKS software when it's released.</p> <p>2.1.2. Full access to live technical support from your local SOLIDWORKS value-added reseller</p> <p>2.2. Access to privileged content on My.SolidWorks.com.</p> <p>2.3. Access to the latest 3D/2D software</p>				

	<p>product plugins.</p> <p>2.4. Exclusive access to latest developments and select Service Packs</p> <p>2.5. Full access to live technical support.</p> <p>2.6. Access to the knowledge base with help documentation, tutorials, training videos, and community support forums</p> <p>3. WARRANTY AND AFTER-SALES SUPPORT</p> <p>3.1. Access to software features, support, version upgrades, new releases, bugfixes and critical security patches must be made available for one (1) year from the date of user acceptance.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. Upon issuance of NTP, the winning bidder is required to deliver the subscription within five (5) calendar days before the existing subscription expires.</p> <p>[STRIIDER_GAA-25-03-20843]</p>				
4	<p>SOFTWARE LICENSE SUBSCRIPTION TO SOLID MODELING CAD APPLICATION</p>	1	lot	520,000.00	520,000.00
	<p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF ONE (1) LOT OF SOLID MODELING CAD APPLICATION LICENSE, particularly SOLIDWORKS Simulation Premium to be used to validate 3D models designed for the project.</p> <p>1.2. The above software subscription is necessary and being used during the research and development under STRIIDER project.</p> <p>1.3. The procurement of SOLIDWORKS Simulation Premium is pursuant to Section 18 of the 2016 revised IRR of RA N0. 9184 which provides, "Reference to brand names shall not be allowed except for items and parts that are compatible with the existing fleet or equipment of the same make and brand, and to maintain the performance, functionality and useful life of the equipment."</p> <p>1.4. The ABC includes all applicable government taxes and services charges.</p> <p>1.5. Number of licenses: One (1) license</p> <p>1.6. Duration: 12 months</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Efficiently evaluate designs for nonlinear and dynamic</p>				

	<p>response, dynamic loading, and composite materials</p> <p>2.2. Fully integrated in SOLIDWORKS® 3D CAD</p> <p>2.3. Equipped with features or capable of performing the following:</p> <p>2.3.1. Finite Element Analysis (FEA) Modelling</p> <p>2.3.2. Interactions and connectors</p> <p>2.3.3. Loads and constraints</p> <p>2.3.4. Stress hot spot diagnostics</p> <p>2.3.5. Communication with reports and eDrawings</p> <p>2.3.6. Linear static simulation for assemblies</p> <p>2.3.7. Time-based motion</p> <p>2.3.8. Design comparison studies</p> <p>2.3.9. Trend tracker</p> <p>2.3.10. Automatic conversion of toolbox fasteners and bolts</p> <p>2.3.11. Design optimization</p> <p>2.3.12. Load case manager</p> <p>2.3.13. Advanced interactions and connectors</p> <p>2.3.14. Topology optimization studies</p> <p>2.3.15. Pressure vessel design</p> <p>2.3.16. 2D simplification</p> <p>2.3.17. Simulations:</p> <p>2.3.17.1. Event-based motion simulation</p> <p>2.3.17.2. Frequency simulation</p> <p>2.3.17.3. Buckling or collapse simulation</p> <p>2.3.17.4. Thermal simulation</p> <p>2.3.17.5. Drop test simulation</p> <p>2.3.17.6. Sub modeling simulation</p> <p>2.3.17.7. Linear dynamic simulation</p> <p>2.3.17.8. Nonlinear simulation</p> <p>2.3.17.9. Composites simulation</p> <p>3. WARRANTY AND AFTER-SALES SUPPORT</p> <p>3.1. Access to software features, support, version upgrades, new releases, bugfixes and critical security patches must be made available for one (1) year from the date of user acceptance.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. Upon issuance of NTP, the winning bidder is required to deliver the subscription within five (5) calendar days before the existing subscription expires</p> <p>[STRIDER_GAA-25-03-20843]</p>				
5	VISUAL WEB DEVELOPMENT AND DESIGN PLATFORM	1	lot	27,000.00	27,000.00
	<p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI seeks qualified and competent bidders for the subscription of</p>				

	<p>Visual Web Development and Design Platform.</p> <p>1.2. The procurement of the above software subscription is pursuant to Section 18 of the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184, which recognizes the circumstances where reference to brand names may be allowed, specifically “[for] items or parts that are compatible with the existing fleet or equipment of the same make and brand, and to maintain performance, functionality and useful life of the equipment.”</p> <p>1.3. The above software subscription is required to meet the project’s web development and UI/UX design needs while ensuring compatibility with industry standards. This application has been previously used for interface prototyping and web development, streamlining collaboration and maintaining design uniformity. Switching to a different platform may lead to inconsistencies in design files, workflow disruptions, and potential integration issues with existing projects.</p> <p>1.4. The ABC includes all applicable government taxes and services charges.</p> <p>1.5. Credentials of the subscription for renewal will be disclosed to the winning bidder.</p> <p>2. TECHNICAL SPECIFICATION</p> <p>2.1. Software Overview</p> <p>2.1.1. Visual Web Development and Design Platform: Professional software for fast, flexible HTML, CSS, and JavaScript coding, as well as responsive website design with visual and code editing tools.</p> <p>2.2. Core Features</p> <p>2.2.1. HTML, CSS, and SASS Editing: Visual and live editing tools for HTML, CSS, SASS, and LESS with a CSS Grid editor.</p> <p>2.2.2. Web Layout Tools: Smart drag-and-drop, code editor for direct edits alongside visual design.</p> <p>2.2.3. Responsive Design: Multi-page editing, media query tools, and device presets for testing layouts.</p> <p>2.2.4. Framework Support: Visual tools for frameworks (e.g., Bootstrap, Foundation, Tailwind) and dynamic components.</p> <p>2.2.5. Reusable Components: Creation of editable components and master pages for template consistency.</p> <p>2.2.6. CMS Mode: Use as a CMS for static websites with editable components</p> <p>2.2.7. Mockups and Prototyping: Quick</p>				
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	<p>mockup assembly and layout variations.</p> <p>2.2.8. Live Preview: Real-time preview across pages with synchronized styles.</p> <p>2.3. Advanced Features</p> <p>2.3.1. Project Management: Manage reusable blocks, real-time updates across pages.</p> <p>2.3.2. Code Snippets and Templates: Generate and customize common snippets, manage templates.</p> <p>2.3.3. Development Sync: Integration with code editors like Atom and VS Code.</p> <p>2.3.4. Version Control: Full Git integration for source control and team collaboration.</p> <p>2.3.5. Customizable UI: Flexible interface layout to suit user preferences.</p> <p>2.4. Security and Compliance</p> <p>2.4.1. Data Privacy: Ensure project privacy and security in compliance with data protection standards.</p> <p>2.4.2. Version Control: Integration with Git for secure collaboration and version management.</p> <p>2.5. System Performance</p> <p>2.5.1. Real-Time Editing: Instant live preview of user edits.</p> <p>2.5.2. Cross-Device Compatibility: Design adapts across various screen sizes.</p> <p>2.6. Support and Maintenance</p> <p>2.6.1. Technical Support: Access to documentation and troubleshooting guides.</p> <p>2.6.2. Collaboration Tools: Integrate with collaboration platforms for seamless project sharing.</p> <p>2.7. Integration Requirements</p> <p>2.7.1. Code Editor Integration: Sync with Atom, VS Code, etc.</p> <p>2.7.2. Framework Support: Full framework integration for Bootstrap, Tailwind, and others.</p> <p>2.7.3. Cloud Storage Integration: Support for cloud storage platforms.</p> <p>2.8. Inclusions</p> <p>2.8.1. Visual Web Development and Design Platform</p> <p>2.8.1.1 Professional License</p> <p>2.8.1.2. Subscription for three (3) users for a duration of one (1) year, commencing from date of successful installation and activation of the software.</p> <p>2.8.1.3. Technical Support – Optional</p> <p>3. PAYMENT AND DELIVERY TERMS</p> <p>3.1. Service provider must deliver the subscription within thirty (30) calendar days of issuance of NTP.</p> <p>3.2. Price must be inclusive of government taxes and all other applicable charges.</p>				
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	[RISE_GAA-25-04-21023]				
TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):					Php1,299,500.00
RESERVATION CLAUSE					
The Advanced Science and Technology Institute reserves the right to accept or reject any proposal, to annul the bidding process, and to reject all proposals at any time prior to contract award, without thereby incurring any liability to the affected proponent or proponents.					